

**GENE LIST ANTI-CORRELATED**

<b>Systematic</b>	<b>Common</b>	<b>Description</b>
210348_at		4-Sep Septin 4
206155_at	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2
221226_s_at	ACCN4	Amiloride-sensitive cation channel 4, pituitary
207427_at	ACR	Acrosin
214957_at	ACTL8	Actin-like 8
207422_at	ADAM20	A disintegrin and metalloproteinase domain 20
216998_s_at	ADAM5	synonym: tMDCII; Homo sapiens a disintegrin and metalloproteinase domain 5 (ADAM5) on chromosome 8.
216743_at	ADCY6	Adenylate cyclase 6
206807_s_at	ADD2	Adducin 2 (beta)
208544_at	ADRA2B	Adrenergic, alpha-2B-, receptor
38447_at	ADRBK1	Adrenergic, beta, receptor kinase 1
219977_at	AIP1	
211560_s_at	ALAS2	Aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)
211004_s_at	ALDH3B1	Aldehyde dehydrogenase 3 family, member B1
204705_x_at	ALDOB	Aldolase B, fructose-bisphosphate
220365_at	ALLC	Allantoicase
204664_at	ALPP	Alkaline phosphatase, placental (Regan isozyme)
216377_x_at	ALPPL2	Alkaline phosphatase, placental-like 2
221114_at	AMBN	Ameloblastin, enamel matrix protein
206892_at	AMHR2	Anti-Mullerian hormone receptor, type II
217293_at	ANGPT1	Angiotensinogen 1
210952_at	AP4S1	Adaptor-related protein complex 4, sigma 1 subunit
207158_at	APOBEC1	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1
213611_at	AQP5	Aquaporin 5
216219_at	AQP6	Aquaporin 6, kidney specific
206784_at	AQP8	Aquaporin 8
214490_at	ARSF	Arylsulfatase F
216204_at	ARVCF	Armadillo repeat gene deletes in velocardiofacial syndrome
214070_s_at	ATP10B	ATPase, Class V, type 10B
221240_s_at	B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4
91920_at	BCAN	Brevican
202094_at	BIRC5	Effector cell protease receptor 1
206725_x_at	BMP1	Bone morphogenetic protein 1
208292_at	BMP10	Bone morphogenetic protein 10
211260_at	BMP7	Bone morphogenetic protein 7 (osteogenic protein 1)
208331_at	BPY2	Basic charge, Y-linked, 2
217207_s_at	BTNL3	Butyrophilin-like 3
220536_at	C14orf115	Chromosome 14 open reading frame 115
52741_at	C14orf172	Chromosome 14 open reading frame 172
204494_s_at	C15orf39	DKFZP434H132 protein
219420_s_at	C1orf163	Chromosome 1 open reading frame 163
220476_s_at	C1orf183	Hypothetical protein LOC55924
207482_at	C20orf10	Chromosome 20 open reading frame 10
220213_at	C20orf17	<small>synonym: C10C10.2_FL2087; ovarian cancer-related protein; gp_component; nuclear [gnid 000504] [evidence EA]; gp_function: zinc ion binding [gnid 000270] [evidence EA]; gp_function: transcription factor activity [gnid 000370] [evidence EA]; gp_process: regulation of transcription, DNA-dependent [gnid 000302] [evidence EA]; Homo sapiens chromosome 20 open reading frame 17 (C20orf17), mRNA.</small>
217622_at	C22orf3	Chromosome 22 open reading frame 3
220831_at	C2GNT3	Core 2 beta-1,6-N-acetylglucosaminyltransferase 3
205331_s_at	C5orf19	Chromosome 5 open reading frame 19
221100_at	C6orf15	Chromosome 6 open reading frame 15

201974_s_at	C7orf28A	Chromosome 7 open reading frame 28A
204509_at	CA12	synonyms: CAXII, FLJ20151, HsT18816; isoform 1 precursor is encoded by transcript variant 1;
207504_at	CA7	Carbonic anhydrase VII
205199_at	CA9	Carbonic anhydrase IX
206384_at	CACNG3	Calcium channel, voltage-dependent, gamma subunit 3
205428_s_at	CALB2	Calbindin 2, 29kDa (calretinin)
216143_at	CALML4	Calmodulin-like 4
213108_at	CAMK2A	Calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha
34846_at	CAMK2B	Calcium/calmodulin-dependent protein kinase (CaM kinase) II beta
219365_s_at	CAMKV	CaM kinase-like vesicle-associated
206607_at	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence
206257_at	CCDC9	Coiled-coil domain containing 9
211174_s_at	CCKAR	Cholecystokinin A receptor
207354_at	CCL16	Chemokine (C-C motif) ligand 16
204826_at	CCNF	Cyclin F
219273_at	CCNK	Chromosome 14 open reading frame 65
206967_at	CCNT1	Cyclin T1
220671_at	CCRN4L	CCR4 carbon catabolite repression 4-like (S. cerevisiae)
38521_at	CD22	CD22 antigen
206280_at	CDH18	Cadherin 18, type 2
204996_s_at	CDK5R1	Cyclin-dependent kinase 5, regulatory subunit 1 (p35)
210789_x_at	CEACAM3	Carcinoembryonic antigen-related cell adhesion molecule 3
208052_x_at	CEACAM3	Carcinoembryonic antigen-related cell adhesion molecule 3
210821_x_at	CENPA	Centromere protein A, 17kDa
221330_at	CHRM2	Cholinergic receptor, muscarinic 2
221347_at	CHRM5	Cholinergic receptor, muscarinic 5
210221_at	CHRNA3	Cholinergic receptor, nicotinic, alpha polypeptide 3
207024_at	CHRND	Cholinergic receptor, nicotinic, delta polypeptide
216015_s_at	CIAS1	Cold autoinflammatory syndrome 1
219500_at	CLCF1	Cardiotrophin-like cytokine factor 1
208437_at	CLCN1	Chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)
207047_s_at	CLCNKA	Chloride channel Ka
220304_s_at	CNGB3	Cyclic nucleotide gated channel beta 3
206970_at	CNTN2	Contactin 2 (axonal)
216993_s_at	COL11A2	Collagen, type XI, alpha 2
216904_at	COL6A1	Collagen, type VI, alpha 1
204644_at	COVA1	Cytosolic ovarian carcinoma antigen 1
219707_at	CPNE7	Copine VII
201638_s_at	CPSF1	Cleavage and polyadenylation specific factor 1, 160kDa
216423_at	CRSP7	Cofactor required for Sp1 transcriptional activation, subunit 7, 70kDa
207715_at	CRYGB	Crystallin, gamma B
210228_at	CSF2	Colony stimulating factor 2 (granulocyte-macrophage)
221407_at	CX36	Connexin-36
204309_at	CYP11A1	Cytochrome P450, family 11, subfamily A, polypeptide 1
214630_at	CYP11B2	Cytochrome P450, family 11, subfamily B, polypeptide 2
205502_at	CYP17A1	Cytochrome P450, family 17, subfamily A, polypeptide 1
214622_at	CYP21A2	Cytochrome P450, family 21, subfamily A, polypeptide 2
214320_x_at	CYP2A6	Cytochrome P450, family 2, subfamily A, polypeptide 6
207244_x_at	CYP2A6	Cytochrome P450, family 2, subfamily A, polypeptide 6
216661_x_at	CYP2C9	Cytochrome P450, family 2, subfamily C, polypeptide 9
215809_at	CYP2D6	Cytochrome P450, family 2, subfamily D, polypeptide 6

205998_x_at	CYP3A4	Cytochrome P450, family 3, subfamily A, polypeptide 4
206878_at	DAO	D-amino-acid oxidase
216725_at	DCAMKL2	Doublecortin and CaM kinase-like 2
216512_s_at	DCT	Dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)
214788_x_at	DDN	Dendrin
220732_at	DEPDC2	DEP domain containing 2
216285_at	DGCR14	DiGeorge syndrome critical region gene 13
215003_at	DGCR9	DiGeorge syndrome critical region gene 9
215541_s_at	DIAPH1	Diaphanous homolog 1 (Drosophila)
216608_at	DKFZP434A062	DKFZP434A062 protein
208216_at	DLX4	Distal-less homeobox 4
217341_at	DNM1	Dynamin 1
216024_at	DNM2	Dynamin 2
206531_at	DPF1	D4, zinc and double PHD fingers family 1
219651_at	DPPA4	Developmental pluripotency associated 4
214301_s_at	DPYSL4	Dihydropyrimidinase-like 4
216938_x_at	DRD2	Dopamine receptor D2
211484_s_at	DSCAM	Down syndrome cell adhesion molecule
222022_at	DTX3	Deltex 3 homolog (Drosophila)
2028_s_at	E2F1	E2F transcription factor 1
204947_at	E2F1	E2F transcription factor 1
202248_at	E2F4	E2F transcription factor 4, p107/p130-binding
216667_at	ECRP	Human ECRP gene for eosinophil cationic related protein.
206437_at	EDG6	Endothelial differentiation, G-protein-coupled receptor 6
214345_at	EDIL3	EGF-like repeats and discoidin I-like domains 3
215866_at	EEF1G	Eukaryotic translation elongation factor 1 gamma
210883_x_at	EFNB3	Ephrin-B3
207767_s_at	EGR4	Early growth response 4
210724_at	EMR3	Egf-like module containing, mucin-like, hormone receptor-like 3
214627_at	EPX	Eosinophil peroxidase
214372_x_at	ERN2	Endoplasmic reticulum to nucleus signalling 2
204817_at	ESPL1	Extra spindle poles like 1 (S. cerevisiae)
214480_at	ETV3	Ets variant gene 3
216172_at	EXOSC2	Exosome component 2
205030_at	FABP7	Fatty acid binding protein 7, brain
211333_s_at	FASLG	Fas ligand (TNF superfamily, member 6)
207835_at	FBLN1	Fibulin 1
222352_at	FBXO31	F-box protein 31
205650_s_at	FGA	Fibrinogen alpha chain
204988_at	FGB	Fibrinogen beta chain
208240_s_at	FGF1	Fibroblast growth factor 1 (acidic)
221166_at	FGF23	Fibroblast growth factor 23
216455_at	FLJ00049	FLJ00049 protein
216460_at	FLJ00049	FLJ00049 protein
219331_s_at	FLJ10748	Hypothetical protein FLJ10748
221180_at	FLJ23074	Yeast Sps1/Ste20-related kinase 4 (S. cerevisiae)
216791_at	FLJ33318	Hypothetical protein FLJ33318
216507_at	FLJ90013	Hypothetical protein FLJ90013
210414_at	FLRT1	Fibronectin leucine rich transmembrane protein 1
204437_s_at	FOLR1	Folate receptor 1 (adult)
210103_s_at	FOXA2	Forkhead box A2

215381_at	FRAP1	FK506 binding protein 12-rapamycin associated protein 1
214489_at	FSHB	Follicle stimulating hormone, beta polypeptide
207590_s_at	FSHPRH1	FSH primary response (LRPR1 homolog, rat) 1
208505_s_at	FUT2	Fucosyltransferase 2 (secretor status included)
214088_s_at	FUT3	Fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group included)
221453_at	G6PC2	Glucose-6-phosphatase, catalytic, 2
206678_at	GABRA1	Gamma-aminobutyric acid (GABA) A receptor, alpha 1
208457_at	GABRD	Gamma-aminobutyric acid (GABA) A receptor, delta
206849_at	GABRG2	Gamma-aminobutyric acid (GABA) A receptor, gamma 2
208217_at	GABRR2	Gamma-aminobutyric acid (GABA) receptor, rho 2
206269_at	GCM1	Glial cells missing homolog 1 (Drosophila)
206614_at	GDF5	Growth differentiation factor 5 (cartilage-derived morphogenetic protein-1)
211545_at	GHRHR	Growth hormone releasing hormone receptor
208489_at	GJA8	Gap junction protein, alpha 8, 50kDa (connexin 50)
216446_at	GLIS1	GLIS family zinc finger 1
208390_s_at	GLP1R	Glucagon-like peptide 1 receptor
207972_at	GLRA1	Glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)
222109_at	GNL3L	Guanine nucleotide binding protein-like 3 (nucleolar)-like
208519_x_at	GNRH2	Gonadotropin-releasing hormone 2
214558_at	GPR12	Hypothetical protein LOC283535
221294_at	GPR21	G protein-coupled receptor 21
214613_at	GPR3	G protein-coupled receptor 3
208556_at	GPR31	G protein-coupled receptor 31
217077_s_at	GPR51	G protein-coupled receptor 51
220481_at	GPR75	G protein-coupled receptor 75
211821_x_at	GYPA	Glycophorin A (includes MN blood group)
216736_at	HAPLN4	Hyaluronan and proteoglycan link protein 4
221380_at	HHCM	Similar to flagelliform silk protein
207611_at	HIST1H2BL	Histone 1, H2bl
222305_at	HK2	Hexokinase 2
211142_x_at	HLA-DOA	Major histocompatibility complex, class II, DO alpha
205601_s_at	HOXB5	Homeo box B5
216760_at	HRASLS2	HRAS-like suppressor 2
216738_at	HRH1	Histamine receptor H1
207020_at	HSF2BP	Heat shock transcription factor 2 binding protein
220763_at	HSPA12A	Heat shock 70kDa protein 12A
220747_at	HSPC072	HSPC072 protein
216939_s_at	HTR4	5-hydroxytryptamine (serotonin) receptor 4
207578_s_at	HTR4	5-hydroxytryptamine (serotonin) receptor 4
206944_at	HTR6	5-hydroxytryptamine (serotonin) receptor 6
220249_at	HYAL4	Hyaluronoglucosaminidase 4
213450_s_at	ICOSLG	Inducible T-cell co-stimulator ligand
207964_x_at	IFNA4	Interferon, alpha 4
217469_at	IGHD	Immunoglobulin heavy constant delta
204549_at	IKBKE	Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
206926_s_at	IL11	Interleukin 11
219323_s_at	IL18BP	Interleukin 18 binding protein
221404_at	IL1F6	Interleukin 1 family, member 6 (epsilon)
212659_s_at	IL1RN	Interleukin 1 receptor antagonist
207252_at	INE1	Inactivation escape 1
216986_s_at	IRF4	Interferon regulatory factor 4

214599_at	IVL	Involucrin
203904_x_at	KAI1	CD82 antigen
206078_at	KALRN	Kalirin, RhoGEF kinase
206692_at	KCNJ10	Potassium inwardly-rectifying channel, subfamily J, member 10
208359_s_at	KCNJ4	Potassium inwardly-rectifying channel, subfamily J, member 4
220727_at	KCNK10	Potassium channel, subfamily K, member 10
219883_at	KCNK4	Potassium channel, subfamily K, member 4
222281_s_at	KCTD7	Potassium channel tetramerisation domain containing 7
221948_s_at	KELCHL	Kelch-like 22 (Drosophila)
204371_s_at	KHSRP	KH-type splicing regulatory protein (FUSE binding protein 2)
215480_at	KIAA0509	KIAA0509 protein
207637_at	KIAA0789	KIAA0789 gene product
213636_at	KIAA1045	KIAA1045
221863_at	KIAA1193	KIAA1193
208122_x_at	KIR2DS5	Killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 3
211397_x_at	KIR3DL1	Killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1
207314_x_at	KIR3DL2	Killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2
216404_at	KLHL1AS	Kelch-like 1 antisense (Drosophila)
205307_s_at	KMO	Kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)
214399_s_at	KRT4	Keratin 4
207670_at	KRTHB5	Keratin, hair, basic, 5
213770_at	KSR	Kinase suppressor of ras
211652_s_at	LBP	Lipopolysaccharide binding protein
217005_at	LDLR	Low density lipoprotein receptor (familial hypercholesterolemia)
210313_at	LILRA4	Leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4
210660_at	LILRB1	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1
211133_x_at	LILRB3	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3
210225_x_at	LILRB3	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3
210784_x_at	LILRB3	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3
211135_x_at	LILRB3	Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3
206606_at	LIPC	Lipase, hepatic
214839_at	LOC157627	Hypothetical protein LOC157627
210822_at	LOC283345	Derived by automated computational analysis using gene prediction method: GNOMON. Supporting evidence includes similarity to: 2 mRNAs; PREDICTED: Homo sapiens RPL13-2 pseudogene (LOC283345), misc RNA.
51226_at	LOC389677	Similar to RIKEN cDNA 3000004N20
221929_at	LOC389677	Similar to RIKEN cDNA 3000004N20
215756_at	LOC440708	Hypothetical gene supported by AK024293
216118_at	LOC441091	PREDICTED: Homo sapiens hypothetical gene supported by AK022427 (LOC441091), mRNA
215202_at	LOC91316	Homo sapiens cDNA FLJ43820 fis, clone TEST14002202, moderately similar to Lambda L-chain C region.
206975_at	LTA	Lymphotoxin alpha (TNF superfamily, member 1)
222107_x_at	LZTS1	Leucine zipper, putative tumor suppressor 1
210295_at	MAGEA10	Melanoma antigen family A, 10
215932_at	MAGEC2	Melanoma antigen family C, 2
215384_s_at	MAP1A	Microtubule-associated protein 1A
205813_s_at	MAT1A	Methionine adenosyltransferase I, alpha
208568_at	MC2R	Melanocortin 2 receptor (adrenocorticotrophic hormone)
210795_s_at	MEG3	Maternally expressed 3
221150_at	MEPE	Matrix, extracellular phosphoglycoprotein with ASARM motif (bone)
213783_at	MFNG	Manic fringe homolog (Drosophila)
215197_at	MGAT5	Mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase
204574_s_at	MMP19	
216362_at	MOZ/CBP	type II; Homo sapiens partial mRNA for MOZ/CBP chimeric transcript type II.

221390_s_at	MTMR8	Myotubularin related protein 8
201710_at	MYBL2	V-myb myeloblastosis viral oncogene homolog (avian)-like 2
208208_at	MYH13	Myosin, heavy polypeptide 13, skeletal muscle
205144_at	MYL5	Myosin, light polypeptide 5, regulatory
215822_x_at	MYT1	Myelin transcription factor 1
220514_at	NAP1L4	Nucleosome assembly protein 1-like 4
215857_at	NCLN	Homo sapiens cDNA FLJ12247 fis, clone MAMMA1001397.
208196_x_at	NFATC1	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
214628_at	NHLH1	Nescient helix loop helix 1
204239_s_at	NNAT	Neuronatin
207217_s_at	NOX1	NADPH oxidase 1
220641_at	NOX5	Sperm equatorial segment protein 1
206285_at	NPHP1	Nephronophthisis 1 (juvenile)
209957_s_at	NPPA	Natriuretic peptide precursor A
210730_s_at	NPY2R	Neuropeptide Y receptor Y2
206410_at	NROB2	Nuclear receptor subfamily 0, group B, member 2
207742_s_at	NR6A1	Nuclear receptor subfamily 6, group A, member 1
215818_at	NUDT7	Nudix (nucleoside diphosphate linked moiety X)-type motif 7
211166_at	NY-REN-7	NY-REN-7 antigen
211359_s_at	OPRM1	Opioid receptor, mu 1
221464_at	OR1D2	Olfactory receptor, family 1, subfamily D, member 2
221426_s_at	OR3A3	Olfactory receptor, family 3, subfamily A, member 3
208507_at	OR7C2	Olfactory receptor, family 7, subfamily C, member 2
221237_s_at	OSBP2	Oxysterol binding protein 2
206605_at	P11	26 serine protease
216668_at	PABPC1	Poly(A) binding protein, cytoplasmic 1
220962_s_at	PADI1	Peptidyl arginine deiminase, type I
220001_at	PADI4	Peptidyl arginine deiminase, type IV
219160_s_at	PAPOLG	Poly(A) polymerase gamma
211176_s_at	PAX4	Paired box gene 4
206802_at	PAX5	Paired box gene 5 (B-cell lineage specific activator)
216761_at	PDCD8	Programmed cell death 8 (apoptosis-inducing factor)
206623_at	PDE6A	Phosphodiesterase 6A, cGMP-specific, rod, alpha
210060_at	PDE6G	Phosphodiesterase 6G, cGMP-specific, rod, gamma
216055_at	PDGFB	Platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)
216061_x_at	PDGFB	Platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)
32029_at	PDPK1	3-phosphoinositide dependent protein kinase-1
206380_s_at	PFC	Properdin P factor, complement
203470_s_at	PLEK	Pleckstrin
215899_at	PNAS-4	Chromosome 1 open reading frame 121
211660_at	POU2F2	POU domain, class 2, transcription factor 2
220082_at	PPP1R14D	Protein phosphatase 1, regulatory (inhibitor) subunit 14D
220714_at	PRDM14	PR domain containing 14
220928_s_at	PRDM16	PR domain containing 16
214565_s_at	PROL5	Submaxillary gland androgen regulated protein 3 homolog A (mouse)
211223_at	PROP1	Prophet of Pit1, paired-like homeodomain transcription factor
217269_s_at	PRSS7	Protease, serine, 7 (enterokinase)
220024_s_at	PRX	Periaxin
208332_at	PRY	PTPN13-like, Y-linked
211521_s_at	PSCD4	Pleckstrin homology, Sec7 and coiled-coil domains 4
220635_at	PSORS1C2	Psoriasis susceptibility 1 candidate 2

215492_x_at	PTCRA	Pre T-cell antigen receptor alpha
208408_at	PTN	Pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1)
211845_at	PVRL1	Hypothetical protein MGC16207
219579_at	RAB3IL1	RAB3A interacting protein (rabin3)-like 1
216842_x_at	RBM	YRRM; Human RNA binding motif (RBM) gene, partial cds.
221377_s_at	RBPSUHL	Recombining binding protein suppressor of hairless (Drosophila)-like
203899_s_at	RCP9	Calcitonin gene-related peptide-receptor component protein
207070_at	RGR	Retinal G protein coupled receptor
206455_s_at	RHO	Rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)
220439_at	RIN3	Ras and Rab interactor 3
206196_s_at	RPIP8	RaP2 interacting protein 8
217723_x_at	RPS12	Ribosomal protein S12
201205_at	RRBP1	Ribosome binding protein 1 homolog 180kDa (dog)
220965_s_at	RSHL1	Radial spokehead-like 1
217263_x_at	RUNX1	Runt-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene)
211181_x_at	RUNX1	Runt-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene)
221282_x_at	RUNX2	Runt-related transcription factor 2
218406_x_at	SCIRP10	SCIRP10-related protein
206381_at	SCN2A2	Sodium channel, voltage-gated, type II, alpha 2
206981_at	SCN4A	Sodium channel, voltage-gated, type IV, alpha
211157_at	SEMA4F	Sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F
220778_x_at	SEMA6B	Sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B
216537_s_at	SIGLEC7	Sialic acid binding Ig-like lectin 7
217159_x_at	SIGLEC7	Sialic acid binding Ig-like lectin 7
205484_at	SIT1	Signaling threshold regulating transmembrane adaptor 1
208409_at	SLC14A2	Solute carrier family 14 (urea transporter), member 2
213522_s_at	SLC16A3	Solute carrier family 16 (monocarboxylic acid transporters), member 3
208389_s_at	SLC1A2	Solute carrier family 1 (glial high affinity glutamate transporter), member 2
210923_at	SLC1A7	Solute carrier family 1 (glutamate transporter), member 7
220867_s_at	SLC24A2	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 2
207560_at	SLC28A1	Solute carrier family 28 (sodium-coupled nucleoside transporter), member 1
207184_at	SLC6A13	Solute carrier family 6 (neurotransmitter transporter, GABA), member 13
220868_s_at	SLC7A10	Solute carrier family 7, (neutral amino acid transporter, y+ system) member 10
219480_at	SNAI1	Snail homolog 1 (Drosophila)
213337_s_at	SOCS1	Suppressor of cytokine signaling 1
214015_at	SOCS7	Suppressor of cytokine signaling 7
209843_s_at	SOX10	SRY (sex determining region Y)-box 10
214178_s_at	SOX2	SRY (sex determining region Y)-box 2
208468_at	SOX21	SRY (sex determining region Y)-box 21
220217_x_at	SPANXC	SPANX family, member C
213442_x_at	SPDEF	SAM pointed domain containing ets transcription factor
208416_s_at	SPTB	Spectrin, beta, erythrocytic (includes spherocytosis, clinical type I)
220067_at	SPTBN5	Spectrin, beta, non-erythrocytic 5
211670_x_at	SSX3	Synovial sarcoma, X breakpoint 3
207601_at	SULT1B1	Sulfotransferase family, cytosolic, 1B, member 1
215865_at	SYT12	Synaptotagmin XII
217433_at	TACC1	Transforming, acidic coiled-coil containing protein 1
221324_at	TAS2R1	Taste receptor, type 2, member 1
221444_at	TAS2R16	Taste receptor, type 2, member 16
207684_at	TBX6	T-box 6
207894_s_at	TCL6	T-cell leukemia/lymphoma 6

221624_at	TCL6	T-cell leukemia/lymphoma 6
207503_at	TCP10	T-complex 10 (mouse)
221034_s_at	TEX13B	Testis expressed sequence 13B
221448_s_at	TEX15	Testis expressed sequence 15
214064_at	TF	Transferrin
203673_at	TG	Thyroglobulin
207446_at	TLR6	Toll-like receptor 6
207179_at	TLX1	T-cell leukemia, homeobox 1
206242_at	TM4SF5	Transmembrane 4 L six family member 5
220111_s_at	TMEM16B	Transmembrane protein 16B
207113_s_at	TNF	Tumor necrosis factor (TNF superfamily, member 2)
202509_s_at	TNFAIP2	Tumor necrosis factor, alpha-induced protein 2
207216_at	TNFSF8	Tumor necrosis factor (ligand) superfamily, member 8
219434_at	TREM1	Triggering receptor expressed on myeloid cells 1
217381_s_at	TRGV5	H.sapiens gene for T cell receptor gamma V region 5.
204649_at	TROAP	Trophinin associated protein (tastin)
217160_at	TSPY1	Testis specific protein, Y-linked 1
217261_at	TTY2	synonym: TTY2; Homo sapiens testis-specific transcript, Y-linked 2 (TTY2) on chromosome Y.
215042_at	TXNDC5	Thioredoxin domain containing 5
206630_at	TYR	Tyrosinase (oculocutaneous albinism IA)
207862_at	UPK2	Uroplakin 2
211184_s_at	USH1C	Usher syndrome 1C (autosomal recessive, severe)
220895_at	USP29	Ubiquitin specific protease 29
213692_s_at	VDR	Vitamin D (1,25- dihydroxyvitamin D3) receptor
204253_s_at	VDR	Vitamin D (1,25- dihydroxyvitamin D3) receptor
216726_at	VENTX2P1	VENT-like homeobox 2 pseudogene 1
206213_at	WNT10B	Wingless-type MMTV integration site family, member 10B
207612_at	WNT8B	Wingless-type MMTV integration site family, member 8B
206484_s_at	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound
211393_at	ZNF278	Zinc finger protein 278
216453_at	ZNF287	Zinc finger protein 287
215701_at	ZNF291	Zinc finger protein 291
78330_at	ZNF335	Zinc finger protein 335
213841_at		Homo sapiens, clone IMAGE:4915189, mRNA
217244_at		<small>match: proteins: P25491 P31689 P42824 P42825 P43644 P54102 Q03363 Q04960 Q42530 Q43177; Human DNA sequence from clone RP1-124O9 on chromosome 6q21 Contains an HSJ2 (heat shock protein, DNAJ-like 2 (HDJ2)) pseudogene, complete sequence.</small>
221130_s_at		
216429_at		Homo sapiens mRNA, chromosome 1 specific transcript KIAA0486.
217453_at		MRNA; cDNA DKFZp434E2028 (from clone DKFZp434E2028)
220902_at		
216240_at		
220767_at		
220752_at		
216499_at		MRNA; cDNA DKFZp434K0610 (from clone DKFZp434K0610)
220879_at		
220612_at		
207743_at		
216448_at		Homo sapiens cDNA FLJ12624 fis, clone NT2RM4001754.
217439_at		MRNA; cDNA DKFZp434L098 (from clone DKFZp434L098)
215762_at		Homo sapiens cDNA clone IMAGE:4818531.
221179_at		
217082_at		Unknown protein



216546_s_at	
221155_x_at	
214896_at	MRNA full length insert cDNA clone EUROIMAGE 29222
207882_at	
216676_x_at	
216597_at	T-cell receptor V beta gene segment V-beta-6, clone IGRb11
220263_at	
220698_at	
220871_at	
222072_at	MRNA; cDNA DKFZp686J1229 (from clone DKFZp686J1229)
215896_at	CDNA FLJ10062 fis, clone HEMBA1001415
208007_at	
216107_at	PP13
221109_at	
221159_at	
216789_at	CDNA: FLJ22786 fis, clone KAIA2150
221099_at	

#### CORRELATED GENES

Systematic	Common	Description
202653_s_at		7-Mar Membrane-associated ring finger (C3HC4) 7
202654_x_at		Membrane-associated ring finger (C3HC4) 7
200015_s_at		Septin 2
200778_s_at		Septin 2
212698_s_at		Septin 10
214720_x_at		Septin 10
202169_s_at	AASDHPPT	Aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
209027_s_at	ABI1	Abl-interactor 1
222230_s_at	ACTR10	Actin-related protein 10 homolog (S. cerevisiae)
200996_at	ACTR3	ARP3 actin-related protein 3 homolog (yeast)
213102_at	ACTR3	ARP3 actin-related protein 3 homolog (yeast)
203935_at	ACVR1	Activin A receptor, type I
221761_at	ADSS	Adenylosuccinate synthase
218534_s_at	AGGF1	Angiogenic factor with G patch and FHA domains 1
203156_at	AKAP11	A kinase (PRKA) anchor protein 11
202125_s_at	ALS2CR3	Amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 3
201964_at	ALS4	Amyotrophic lateral sclerosis 4
218167_at	AMZ2	
221825_at	ANGEL2	Similar to RIKEN cDNA 2610307I21
208773_s_at	ANKHD1	Ankyrin repeat and KH domain containing 1
212798_s_at	ANKMY2	Ankyrin repeat and MYND domain containing 2
213005_s_at	ANKRD15	Ankyrin repeat domain 15
212211_at	ANKRD17	Ankyrin repeat domain 17
201366_at	ANXA7	Annexin A7
209860_s_at	ANXA7	Annexin A7
203525_s_at	APC	Adenomatosis polyposis coli
202630_at	APPBP2	Amyloid beta precursor protein (cytoplasmic tail) binding protein 2
218098_at	ARFGEF2	ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited)

218230_at	ARFIP1	ADP-ribosylation factor interacting protein 1 (arfaptin 1)
203910_at	ARHGAP29	Rho GTPase activating protein 29
217936_at	ARHGAP5	synonyms: p190-B, RhoGAP5; isoform a is encoded by transcript variant 1;
221230_s_at	ARID4B	AT rich interactive domain 4B (RBP1- like)
203486_s_at	ARMC8	Armadillo repeat containing 8
201855_s_at	ASCIZ	ATM/ATR-Substrate Chk2-Interacting Zn2+-finger protein
222103_at	ATF1	Activating transcription factor 1
221492_s_at	ATG3	APG3 autophagy 3-like (S. cerevisiae)
200818_at	ATP5O	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)
201443_s_at	ATP6AP2	ATPase, H+ transporting, lysosomal accessory protein 2
201444_s_at	ATP6AP2	ATPase, H+ transporting, lysosomal accessory protein 2
200096_s_at	ATP6V0E	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e
208860_s_at	ATRX	Alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae)
208861_s_at	ATRX	Alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae)
203232_s_at	ATXN1	Ataxin 1
203080_s_at	BAZ2B	Bromodomain adjacent to zinc finger domain, 2B
201084_s_at	BCLAF1	Acetyl-CoA carboxylase, biotin carboxylase subunit (CAC2)
215440_s_at	BEXL1	Brain expressed X-linked-like 1
218090_s_at	BRWD2	Bromodomain and WD repeat domain containing 2
202946_s_at	BTBD3	BTB (POZ) domain containing 3
201456_s_at	BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)
218331_s_at	C10orf18	Chromosome 10 open reading frame 18
211376_s_at	C10orf86	Chromosome 10 open reading frame 86
219067_s_at	C10orf86	Chromosome 10 open reading frame 86
213239_at	C13orf24	Chromosome 13 open reading frame 24
218139_s_at	C14orf108	Chromosome 14 open reading frame 108
202623_at	C14orf11	Chromosome 14 open reading frame 11
212870_at	C14orf138	Chromosome 14 open reading frame 138
209092_s_at	C17orf25	Chromosome 17 open reading frame 25
220992_s_at	C1orf25	Chromosome 1 open reading frame 25
220477_s_at	C20orf30	Chromosome 20 open reading frame 30
221787_at	C6orf120	synonym: bA160E12.4; Homo sapiens chromosome 6 open reading frame 120 (C6orf120), mRNA.
218195_at	C6orf211	Chromosome 6 open reading frame 211
218877_s_at	C6orf75	Chromosome 6 open reading frame 75
205684_s_at	C9orf55	Chromosome 9 open reading frame 55
203801_at	CACYBP	Calcyclin binding protein
212711_at	CAMSAP1	Calmodulin regulated spectrin-associated protein 1
207483_s_at	CAND1	Cullin-associated and neddylation-dissociated 1
213165_at	CAP350	Centrosome-associated protein 350
203356_at	CAPN7	Calpain 7
203357_s_at	CAPN7	Calpain 7
201238_s_at	CAPZA2	Capping protein (actin filament) muscle Z-line, alpha 2
207467_x_at	CAST	Calpastatin
212586_at	CAST	Calpastatin
201518_at	CBX1	Chromobox homolog 1 (HP1 beta homolog Drosophila )
200984_s_at	CD59	CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)
221449_s_at	CDA08	T-cell immunomodulatory protein
202892_at	CDC23	CDC23 (cell division cycle 23, yeast, homolog)
209112_at	CDKN1B	Cyclin-dependent kinase inhibitor 1B (p27, Kip1)
204739_at	CENPC1	Centromere protein C 1
209662_at	CETN3	Centrin, EF-hand protein, 3 (CDC31 homolog, yeast)

218085_at	CHMP5	Chromatin modifying protein 5
219356_s_at	CHMP5	Chromatin modifying protein 5
218439_s_at	COMM10	COMM domain containing 10
202467_s_at	COPS2	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)
218042_at	COPS4	COP9 constitutive photomorphogenic homolog subunit 4 (Arabidopsis)
202143_s_at	COPS8	COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)
201200_at	CREG1	Cellular repressor of E1A-stimulated genes 1
208669_s_at	CRI1	CREBBP/EP300 inhibitor 1
208670_s_at	CRI1	CREBBP/EP300 inhibitor 1
220044_x_at	CROP	Cisplatin resistance-associated overexpressed protein
202610_s_at	CRSP2	Cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa
202611_s_at	CRSP2	Cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa
204350_s_at	CRSP9	Cofactor required for Sp1 transcriptional activation, subunit 9, 33kDa
219767_s_at	CRYZL1	Crystallin, zeta (quinone reductase)-like 1
201111_at	CSE1L	CSE1 chromosome segregation 1-like (yeast)
209259_s_at	CSPG6	Chondroitin sulfate proteoglycan 6 (bamacan)
202521_at	CTCF	CCCTC-binding factor (zinc finger protein)
200764_s_at	CTNNA1	Catenin (cadherin-associated protein), alpha 1, 102kDa
200765_x_at	CTNNA1	Catenin (cadherin-associated protein), alpha 1, 102kDa
210844_x_at	CTNNA1	Catenin (cadherin-associated protein), alpha 1, 102kDa
203079_s_at	CUL2	Cullin 2
201423_s_at	CUL4A	Cullin 4A
202213_s_at	CUL4B	Cullin 4B
202214_s_at	CUL4B	Cullin 4B
203531_at	CUL5	Cullin 5
200794_x_at	DAZAP2	DAZ associated protein 2
212919_at	DCP2	DCP2 decapping enzyme homolog (S. cerevisiae)
218013_x_at	DCTN4	Dynactin 4 (p62)
201241_at	DDX1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1
202462_s_at	DDX46	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46
200934_at	DEK	DEK oncogene (DNA binding)
218102_at	DERA	2-deoxyribose-5-phosphate aldolase homolog (C. elegans)
212648_at	DHX29	DEAH (Asp-Glu-Ala-His) box polypeptide 29
201581_at	DJ971N18.2	Hypothetical protein DJ971N18.2
202560_s_at	DKFZP547E1010	Chromosome 1 open reading frame 77
221596_s_at	DKFZP564O0523	Hypothetical protein DKFZp564O0523
202514_at	DLG1	Discs, large homolog 1 (Drosophila)
202116_at	DPF2	D4, zinc and double PHD fingers family 2
202673_at	DPM1	Dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit
209572_s_at	EED	Embryonic ectoderm development
221528_s_at	ELMO2	Engulfment and cell motility 2 (ced-12 homolog, C. elegans)
55692_at	ELMO2	Engulfment and cell motility 2 (ced-12 homolog, C. elegans)
201769_at	ENTH	Enthoprotin
202176_at	ERCC3	Excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)
222127_s_at	EXOC1	SEC3-like 1 (S. cerevisiae)
212131_at	FAM61A	Family with sequence similarity 61, member A
212132_at	FAM61A	Family with sequence similarity 61, member A
209004_s_at	FBXL5	F-box and leucine-rich repeat protein 5
222119_s_at	FBXO11	F-box protein 11
202271_at	FBXO28	F-box protein 28
218432_at	FBXO3	F-box protein 3

209455_at	FBXW11	F-box and WD-40 domain protein 11
209630_s_at	FBXW2	F-box and WD-40 domain protein 2
212367_at	FEM1B	Fem-1 homolog b (C. elegans)
212373_at	FEM1B	Fem-1 homolog b (C. elegans)
213341_at	FEM1C	Fem-1 homolog c (C.elegans)
202302_s_at	FLJ11021	Similar to splicing factor, arginine/serine-rich 4
218449_at	FLJ11200	Hypothetical protein FLJ11200
218179_s_at	FLJ12716	FLJ12716 protein
212482_at	FLJ13910	Hypothetical protein FLJ13910
219467_at	FLJ20125	Hypothetical protein FLJ20125
219858_s_at	FLJ20160	FLJ20160 protein
222209_s_at	FLJ22104	Hypothetical protein FLJ22104
213294_at	FLJ38348	Hypothetical protein FLJ38348
203689_s_at	FMR1	Fragile X mental retardation 1
215245_x_at	FMR1	Fragile X mental retardation 1
209702_at	FTO	Fatso
218373_at	FTS	Fused toes homolog (mouse)
204299_at	FUSIP1	FUS interacting protein (serine/arginine-rich) 1
203282_at	GBE1	Glucan (1,4-alpha-), branching enzyme 1 (glycogen branching enzyme, Andersen disease, glycogen storage disease type IV)
217990_at	GMPR2	Guanosine monophosphate reductase 2
202615_at	GNAQ	Guanine nucleotide binding protein (G protein), q polypeptide
212243_at	GRINL1A	Glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A
212244_at	GRINL1A	Glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A
213357_at	GTF2H5	General transcription factor IIH, polypeptide 5
218343_s_at	GTF3C3	General transcription factor IIIC, polypeptide 3, 102kDa
201554_x_at	GYG1	Glycogenin
212205_at	H2AFV	H2A histone family, member V
212206_s_at	H2AFV	H2A histone family, member V
203138_at	HAT1	
209274_s_at	HBLD2	HESB like domain containing 2
212785_s_at	HDCMA18P	HDCMA18P protein
217902_s_at	HERC2	D15F37 gene
203711_s_at	HIBCH	3-hydroxyisobutyryl-Coenzyme A hydrolase
212293_at	HIPK1	Homeodomain interacting protein kinase 1
218946_at	HIRIP5	HIRA interacting protein 5
218152_at	HMG20A	High-mobility group 20A
209786_at	HMGN4	High mobility group nucleosomal binding domain 4
204112_s_at	HNMT	Histamine N-methyltransferase
211929_at	HNRPA3	Heterogeneous nuclear ribonucleoprotein A3
201132_at	HNRPH2	
208990_s_at	HNRPH3	Heterogeneous nuclear ribonucleoprotein H3 (2H9)
209512_at	HSDL2	Hydroxysteroid dehydrogenase like 2
221622_s_at	HT007	Uncharacterized hypothalamus protein HT007
202602_s_at	HTATSF1	HIV TAT specific factor 1
203327_at	IDE	Insulin-degrading enzyme
212223_at	IDS	Iduronate 2-sulfatase (Hunter syndrome)
202491_s_at	IKBKAP	Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein
209566_at	INSIG2	Insulin induced gene 2
217908_s_at	IQWD1	IQ motif and WD repeats 1
209907_s_at	ITSN2	Intersectin 2
201643_x_at	JMJD1B	Jumonji domain containing 1B

210878_s_at	JMJD1B	Jumonji domain containing 1B
212357_at	KIAA0280	KIAA0280 protein
203288_at	KIAA0355	KIAA0355
212428_at	KIAA0368	KIAA0368
203048_s_at	KIAA0372	KIAA0372
203049_s_at	KIAA0372	KIAA0372
212215_at	KIAA0436	Prolyl endopeptidase-like
201778_s_at	KIAA0494	KIAA0494 gene product
212402_at	KIAA0853	KIAA0853
212325_at	KIAA1102	KIAA1102 protein
212779_at	KIAA1109	KIAA1109
221736_at	KIAA1219	KIAA1219 protein
212453_at	KIAA1279	KIAA1279
212163_at	KIDINS220	Kinase D-interacting substance of 220 kDa
203333_at	KIFAP3	Kinesin-associated protein 3
217906_at	KLHDC2	Kelch domain containing 2
34031_i_at	KRIT1	KRIT1, ankyrin repeat containing
214709_s_at	KTN1	Kinectin 1 (kinesin receptor)
202020_s_at	LANCL1	LanC lantibiotic synthetase component C-like 1 (bacterial)
200673_at	LAPTM4A	Lysosomal-associated protein transmembrane 4 alpha
202377_at	LEPR	Leptin receptor
201595_s_at	LEREPO4	Likely ortholog of mouse immediate early response, erythropoietin 4
202386_s_at	LKAP	Limkain b1
218191_s_at	LMBRD1	LMBR1 domain containing 1
218303_x_at	LOC51315	Hypothetical protein LOC51315
220770_s_at	LOC63920	Homo sapiens transposon-derived Buster3 transposase-like (LOC63920), mRNA.
212833_at	LOC91137	Hypothetical protein BC017169
213220_at	LOC92482	Hypothetical protein LOC92482
207358_x_at	MACF1	Glycine-rich protein (GRP3S)
212184_s_at	MAP3K7IP2	Mitogen-activated protein kinase kinase kinase 7 interacting protein 2
218311_at	MAP4K3	Mitogen-activated protein kinase kinase kinase kinase 3
203553_s_at	MAP4K5	Mitogen-activated protein kinase kinase kinase kinase 5
203218_at	MAPK9	Mitogen-activated protein kinase 9
200624_s_at	MATR3	Matrin 3
200626_s_at	MATR3	Matrin 3
214363_s_at	MATR3	Matrin 3
209580_s_at	MBD4	Methyl-CpG binding domain protein 4
214047_s_at	MBD4	Methyl-CpG binding domain protein 4
218288_s_at	MDS025	Hypothetical protein MDS025
202616_s_at	MECP2	Methyl CpG binding protein 2 (Rett syndrome)
217843_s_at	MED4	Mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)
221570_s_at	METTL5	Methyltransferase like 5
213065_at	MGC23401	Hypothetical protein MGC23401
218138_at	MKKS	McKusick-Kaufman syndrome
218259_at	MKL2	MKL/myocardin-like 2
202520_s_at	MLH1	MutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
218212_s_at	MOCS2	Molybdenum cofactor synthesis 2
221381_s_at	MORF4	Mortality factor 4
217982_s_at	MORF4L1	Mortality factor 4 like 1
212199_at	MRFAP1L1	Morf4 family associated protein 1-like 1
218536_at	MRS2L	MRS2-like, magnesium homeostasis factor (S. cerevisiae)

218716_x_at	MTO1	Mitochondrial translation optimization 1 homolog (S. cerevisiae)
208047_s_at	NAB1	NGFI-A binding protein 1 (EGR1 binding protein 1)
219368_at	NAP1L2	Nucleosome assembly protein 1-like 2
201384_s_at	NBR1	Neighbor of BRCA1 gene 1
207738_s_at	NCKAP1	NCK-associated protein 1
209105_at	NCOA1	Nuclear receptor coactivator 1
209106_at	NCOA1	Nuclear receptor coactivator 1
208979_at	NCOA6	Nuclear receptor coactivator 6
200854_at	NCOR1	Nuclear receptor co-repressor 1
200857_s_at	NCOR1	Nuclear receptor co-repressor 1
217800_s_at	NDFIP1	Nedd4 family interacting protein 1
210817_s_at	NDP52	Nuclear domain 10 protein
203613_s_at	NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa
212530_at	NEK7	NIMA (never in mitosis gene a)-related kinase 7
212678_at	NF1	Neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease)
218127_at	NFYB	Nuclear transcription factor Y, beta
218129_s_at	NFYB	Nuclear transcription factor Y, beta
202215_s_at	NFYC	Nuclear transcription factor Y, gamma
219353_at	NHLRC2	synonyms: FLJ20147, FLJ25621, FLJ33312, MGC45492, DKFZp779F115; 1200003G01Rik;
209075_s_at	NIFUN	NifU-like N-terminal domain containing
202783_at	NNT	Nicotinamide nucleotide transhydrogenase
202784_s_at	NNT	Nicotinamide nucleotide transhydrogenase
210097_s_at	NOL7	Nucleolar protein 7, 27kDa
213838_at	NOL7	Nucleolar protein 7, 27kDa
201455_s_at	NPEPPS	Aminopeptidase puromycin sensitive
220248_x_at	NSFL1C	NSFL1 (p97) cofactor (p47)
213461_at	NUDT21	Nudix (nucleoside diphosphate linked moiety X)-type motif 21
209073_s_at	NUMB	Numb homolog (Drosophila)
202184_s_at	NUP133	Nucleoporin 133kDa
203351_s_at	ORC4L	Origin recognition complex, subunit 4-like (yeast)
209485_s_at	OSBPL1A	Oxysterol binding protein-like 1A
212585_at	OSBPL8	Oxysterol binding protein-like 8
219421_at	OSRF	Osmosis responsive factor
218196_at	OSTM1	Osteopetrosis associated transmembrane protein 1
218209_s_at	P15RS	Hypothetical protein FLJ10656
213289_at	PA2G4	Proliferation-associated 2G4, 38kDa
200816_s_at	PAFAH1B1	Platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa
209063_x_at	PAIP1	Poly(A) binding protein interacting protein 1
210283_x_at	PAIP1	Poly(A) binding protein interacting protein 1
213754_s_at	PAIP1	Poly(A) binding protein interacting protein 1
221751_at	PANK3	Solute carrier family 2 (facilitated glucose transporter), member 3 pseudogene 1
202294_at	PCCB	Propionyl Coenzyme A carboxylase, beta polypeptide
205202_at	PCMT1	Protein-L-isoaspartate (D-aspartate) O-methyltransferase
208857_s_at	PCMT1	Protein-L-isoaspartate (D-aspartate) O-methyltransferase
212406_s_at	PCMTD2	Chromosome 20 open reading frame 36
217816_s_at	PCNP	PEST-containing nuclear protein
219043_s_at	PDCL3	Phosducin-like 3
211023_at	PDHB	Pyruvate dehydrogenase (lipoamide) beta
202658_at	PEX11B	Peroxisomal biogenesis factor 11B
201707_at	PEX19	Peroxisomal biogenesis factor 19
203970_s_at	PEX3	Peroxisomal biogenesis factor 3

217952_x_at	PHF3	PHD finger protein 3
217954_s_at	PHF3	PHD finger protein 3
202738_s_at	PHKB	Phosphorylase kinase, beta
202739_s_at	PHKB	Phosphorylase kinase, beta
203492_x_at	PIG8	Transloklin
203493_s_at	PIG8	Transloklin
201133_s_at	PJA2	Praja 2, RING-H2 motif containing
212628_at	PKN2	Protein kinase N2
201928_at	PKP4	Plakophilin 4
201929_s_at	PKP4	Plakophilin 4
210830_s_at	PON2	Paraoxonase 2
202165_at	PPP1R2	Protein phosphatase 1, regulatory (inhibitor) subunit 2
204554_at	PPP1R3D	Protein phosphatase 1, regulatory subunit 3D
201877_s_at	PPP2R5C	Protein phosphatase 2, regulatory subunit B (B56), gamma isoform
213483_at	PPWD1	Peptidylprolyl isomerase domain and WD repeat containing 1
202918_s_at	PREI3	Preimplantation protein 3
212217_at	PREPL	Solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1
200603_at	PRKAR1A	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)
200604_s_at	PRKAR1A	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)
200605_s_at	PRKAR1A	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)
205880_at	PRKD1	Protein kinase D1
218236_s_at	PRKD3	Protein kinase D3
209139_s_at	PRKRA	Protein kinase, interferon-inducible double stranded RNA dependent activator
218040_at	PRPF38B	PRP38 pre-mRNA processing factor 38 (yeast) domain containing B
201699_at	PSMC6	Proteasome (prosome, macropain) 26S subunit, ATPase, 6
202353_s_at	PSMD12	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 12
201053_s_at	PSMF1	Proteasome (prosome, macropain) inhibitor subunit 1 (PI31)
201745_at	PTK9	PTK9 protein tyrosine kinase 9
209896_s_at	PTPN11	Protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)
201493_s_at	PUM2	Pumilio homolog 2 (Drosophila)
204020_at	PURA	Purine-rich element binding protein A
200927_s_at	RAB14	RAB14, member RAS oncogene family
207791_s_at	RAB1A	RAB1A, member RAS oncogene family
208731_at	RAB2	RAB2, member RAS oncogene family
203885_at	RAB21	RAB21, member RAS oncogene family
213405_at	RAB22A	RAB22A, member RAS oncogene family
220955_x_at	RAB23	RAB23, member RAS oncogene family
209084_s_at	RAB28	RAB28, member RAS oncogene family
204547_at	RAB40B	RAB40B, member RAS oncogene family
203581_at	RAB4A	RAB4A, member RAS oncogene family
203582_s_at	RAB4A	RAB4A, member RAS oncogene family
210406_s_at	RAB6C	RAB6C, member RAS oncogene family
211961_s_at	RAB7	RAB7, member RAS oncogene family
213313_at	RABGAP1	RAB GTPase activating protein 1
201244_s_at	RAF1	V-raf-1 murine leukemia viral oncogene homolog 1
202101_s_at	RALB	V-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)
202677_at	RASA1	RAS p21 protein activator (GTPase activating protein) 1
210621_s_at	RASA1	RAS p21 protein activator (GTPase activating protein) 1
203132_at	RB1	Retinoblastoma 1 (including osteosarcoma)
203250_at	RBM16	RNA binding motif protein 16
218134_s_at	RBM22	RNA binding motif protein 22

212591_at	RBM34	RNA binding motif protein 34
207785_s_at	RBPSUH	Recombining binding protein suppressor of hairless (Drosophila)
218344_s_at	RCOR3	REST corepressor 3
222203_s_at	RDH14	Retinol dehydrogenase 14 (all-trans and 9-cis)
212397_at	RDX	Radixin
218428_s_at	REV1L	REV1-like (yeast)
218323_at	RHOT1	
202130_at	RIOK3	RIO kinase 3 (yeast)
217865_at	RNF130	Ring finger protein 130
201823_s_at	RNF14	Ring finger protein 14
201824_at	RNF14	Ring finger protein 14
221430_s_at	RNF146	Ring finger protein 146
218528_s_at	RNF38	Ring finger protein 38
213044_at	ROCK1	Rho-associated, coiled-coil containing protein kinase 1
201528_at	RPA1	Replication protein A1, 70kDa
201529_s_at	RPA1	Replication protein A1, 70kDa
213694_at	RSBN1	Round spermatid basic protein 1
212507_at	RW1	RW1 protein
205087_at	RWDD3	RWD domain containing 3
202853_s_at	RYK	RYK receptor-like tyrosine kinase
213413_at	SBLF	TFIIA-alpha/beta-like factor
215548_s_at	SCFD1	Sec1 family domain containing 1
218649_x_at	SDCCAG1	Serologically defined colon cancer antigen 1
202228_s_at	SDFR1	Stromal cell derived factor receptor 1
202026_at	SDHD	Succinate dehydrogenase complex, subunit D, integral membrane protein
209175_at	SEC23IP	SEC23 interacting protein
202798_at	SEC24B	SEC24 related gene family, member B (S. cerevisiae)
201916_s_at	SEC63	SEC63-like (S. cerevisiae)
202318_s_at	SENP6	SUMO1/sentrin specific protease 6
202319_at	SENP6	SUMO1/sentrin specific protease 6
208939_at	SEPHS1	Selenophosphate synthetase 1
208671_at	SERINC1	Tumor differentially expressed 2
221471_at	SERINC3	Tumor differentially expressed 1
202060_at	SH2BP1	SH2 domain binding protein 1 (tetratricopeptide repeat containing)
202777_at	SHOC2	Soc-2 suppressor of clear homolog (C. elegans)
200711_s_at	SKP1A	S-phase kinase-associated protein 1A (p19A)
200718_s_at	SKP1A	S-phase kinase-associated protein 1A (p19A)
203340_s_at	SLC25A12	Solute carrier family 25 (mitochondrial carrier, Aralar), member 12
218989_x_at	SLC30A5	Solute carrier family 30 (zinc transporter), member 5
218519_at	SLC35A5	Solute carrier family 35, member A5
206875_s_at	SLK	STE20-like kinase (yeast)
217828_at	SLTM	Modulator of estrogen induced transcription
203075_at	SMAD2	SMAD, mothers against DPP homolog 2 (Drosophila)
203077_s_at	SMAD2	SMAD, mothers against DPP homolog 2 (Drosophila)
202527_s_at	SMAD4	SMAD, mothers against DPP homolog 4 (Drosophila)
200084_at	SMAP	Small acidic protein
201784_s_at	SMAP	Small acidic protein
218137_s_at	SMAP1	Stromal membrane-associated protein 1
206542_s_at	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
206544_x_at	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
212257_s_at	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2



217707_x_at	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
202983_at	SMARCA3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3
202303_x_at	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5
213251_at	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5
213859_x_at	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5
201589_at	SMC1L1	SMC1 structural maintenance of chromosomes 1-like 1 (yeast)
212927_at	SMC5L1	SMC5 structural maintenance of chromosomes 5-like 1 (yeast)
202113_s_at	SNX2	Sorting nexin 2
202114_at	SNX2	Sorting nexin 2
217792_at	SNX5	Sorting nexin 5
206020_at	SOCS6	Suppressor of cytokine signaling 6
214988_s_at	SON	SON DNA binding protein
213168_at	SP3	Sp3 transcription factor
206272_at	SPHAR	S-phase response (cyclin-related)
202277_at	SPTLC1	Serine palmitoyltransferase, long chain base subunit 1
212058_at	SR140	U2-associated SR140 protein
212060_at	SR140	U2-associated SR140 protein
212061_at	SR140	U2-associated SR140 protein
208920_at	SRI	Sorcin
200007_at	SRP14	Signal recognition particle 14kDa (homologous Alu RNA binding protein)
201273_s_at	SRP9	Signal recognition particle 9kDa
202817_s_at	SS18	Synovial sarcoma translocation, chromosome 18
213027_at	SSA2	TROVE domain family, member 2
201138_s_at	SSB	Sjogren syndrome antigen B (autoantigen La)
208666_s_at	ST13	Suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)
209649_at	STAM2	Signal transducing adaptor molecule (SH3 domain and ITAM motif) 2
208948_s_at	STAU1	
211505_s_at	STAU1	
212631_at	STX7	Syntaxin 7
212632_at	STX7	Syntaxin 7
203310_at	STXBP3	Syntaxin binding protein 3
202930_s_at	SUCLA2	Succinate-CoA ligase, ADP-forming, beta subunit
217874_at	SUCLG1	Succinate-CoA ligase, GDP-forming, alpha subunit
212459_x_at	SUCLG2	Succinate-CoA ligase, GDP-forming, beta subunit
215772_x_at	SUCLG2	Succinate-CoA ligase, GDP-forming, beta subunit
208761_s_at	SUMO1	SMT3 suppressor of mif two 3 homolog 1 (yeast)
211069_s_at	SUMO1	SMT3 suppressor of mif two 3 homolog 1 (yeast)
209362_at	SURB7	SRB7 suppressor of RNA polymerase B homolog (yeast)
201023_at	TAF7	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa
221618_s_at	TAF9L	TAF9-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa
209451_at	TANK	TRAF family member-associated NFKB activator
207627_s_at	TFCP2	Transcription factor CP2
212043_at	TGOLN2	Trans-golgi network protein 2
202606_s_at	TLK1	Tousled-like kinase 1
208943_s_at	TLOC1	Translocation protein 1
212352_s_at	TMED10	Transmembrane trafficking protein
214658_at	TMED7	Transmembrane emp24 protein transport domain containing 7
218477_at	TMEM14A	Transmembrane protein 14A
221452_s_at	TMEM14B	Transmembrane protein 14B
200620_at	TMEM59	Transmembrane protein 59
65630_at	TMEM80	Hypothetical protein LOC283232

218467_at	TNFSF5IP1	Tumor necrosis factor superfamily, member 5-induced protein 1
212635_at	TNPO1	Transportin 1
212408_at	TOR1AIP1	Torsin A interacting protein 1
216100_s_at	TOR1AIP1	Torsin A interacting protein 1
217959_s_at	TRAPPC4	Trafficking protein particle complex 4
201546_at	TRIP12	Thyroid hormone receptor interactor 12
203732_at	TRIP4	Thyroid hormone receptor interactor 4
201515_s_at	TSN	Translin
203983_at	TSNAX	Translin-associated factor X
202266_at	TTRAP	TRAF and TNF receptor associated protein
203690_at	TUBGCP3	Tubulin, gamma complex associated protein 3
219201_s_at	TWSG1	Twisted gastrulation homolog 1 (Drosophila)
209115_at	UBE1C	Ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)
201899_s_at	UBE2A	Ubiquitin-conjugating enzyme E2A (RAD6 homolog)
209142_s_at	UBE2G1	Ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)
201535_at	UBL3	Ubiquitin-like 3
215884_s_at	UBQLN2	Ubiquilin 2
212760_at	UBR2	Ubiquitin protein ligase E3 component n-recogin 2
203583_at	UNC50	Unc-50 homolog (C. elegans)
203519_s_at	UPF2	UPF2 regulator of nonsense transcripts homolog (yeast)
206958_s_at	UPF3A	UPF3 regulator of nonsense transcripts homolog A (yeast)
214323_s_at	UPF3A	UPF3 regulator of nonsense transcripts homolog A (yeast)
218757_s_at	UPF3B	UPF3 regulator of nonsense transcripts homolog B (yeast)
200883_at	UQCRC2	Ubiquinol-cytochrome c reductase core protein II
212600_s_at	UQCRC2	Ubiquinol-cytochrome c reductase core protein II
202413_s_at	USP1	Ubiquitin specific protease 1
201099_at	USP9X	Ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)
206624_at	USP9Y	Ubiquitin specific protease 9, Y-linked (fat facets-like, Drosophila)
203614_at	UTP14C	UTP14, U3 small nucleolar ribonucleoprotein, homolog C (yeast)
203241_at	UVRAG	UV radiation resistance associated gene
201472_at	VBP1	Von Hippel-Lindau binding protein 1
218396_at	VPS13C	Vacuolar protein sorting 13C (yeast)
217837_s_at	VPS24	Vacuolar protein sorting 24 (yeast)
201807_at	VPS26A	
209268_at	VPS45A	Vacuolar protein sorting 45A (yeast)
208933_s_at	WAC	WW domain containing adaptor with coiled-coil
212598_at	WDFY3	WD repeat and FYVE domain containing 3
212606_at	WDFY3	WD repeat and FYVE domain containing 3
221531_at	WDR61	WD repeat domain 61
221532_s_at	WDR61	WD repeat domain 61
201295_s_at	WSB1	WD repeat and SOCS box-containing 1
205672_at	XPA	Xeroderma pigmentosum, complementation group A
208775_at	XPO1	Exportin 1 (CRM1 homolog, yeast)
208643_s_at	XRCC5	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining; Ku autoantigen, 80kDa)
217783_s_at	YPEL5	Yippee-like 5 (Drosophila)
212455_at	YT521	
213077_at	YTHDC2	YTH domain containing 2
221613_s_at	ZA20D3	Zinc finger, A20 domain containing 3
218348_s_at	ZC3H7A	Zinc finger CCCH-type containing 7A
221193_s_at	ZCCHC10	Zinc finger, CCHC domain containing 10
212982_at	ZDHHC17	Zinc finger, DHHC-type containing 17

218249_at	ZDHHC6	Zinc finger, DHHC-type containing 6
202979_s_at	ZF	HCF-binding transcription factor Zhangfei
202137_s_at	ZMYND11	Zinc finger, MYND domain containing 11
209741_x_at	ZNF291	Zinc finger protein 291
200867_at	ZNF313	Zinc finger protein 313
205514_at	ZNF415	Zinc finger protein 415
206158_s_at	ZNF9	Zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)
201051_at		
206809_s_at		
212623_at		Transmembrane protein 41B
218490_s_at		

## CORRELATED GENES

<b>Systematic</b>	<b>Common</b>
202653_s_at	7-Mar
202654_x_at	
200015_s_at	
200778_s_at	
212698_s_at	
214720_x_at	
202169_s_at	AASDHPPT
209027_s_at	ABI1
222230_s_at	ACTR10
200996_at	ACTR3
213102_at	ACTR3
203935_at	ACVR1
221761_at	ADSS
218534_s_at	AGGF1
203156_at	AKAP11
202125_s_at	ALS2CR3
201964_at	ALS4
218167_at	AMZ2
221825_at	ANGEL2
208773_s_at	ANKHD1
212798_s_at	ANKMY2
213005_s_at	ANKRD15
212211_at	ANKRD17
201366_at	ANXA7
209860_s_at	ANXA7
203525_s_at	APC
202630_at	APPBP2
218098_at	ARFGEF2
218230_at	ARFIP1
203910_at	ARHGAP29
217936_at	ARHGAP5
221230_s_at	ARID4B

203486_s_at	ARMC8
201855_s_at	ASCIZ
222103_at	ATF1
221492_s_at	ATG3
200818_at	ATP5O
201443_s_at	ATP6AP2
201444_s_at	ATP6AP2
200096_s_at	ATP6V0E
208860_s_at	ATRX
208861_s_at	ATRX
203232_s_at	ATXN1
203080_s_at	BAZ2B
201084_s_at	BCLAF1
215440_s_at	BEXL1
218090_s_at	BRWD2
202946_s_at	BTBD3
201456_s_at	BUB3
218331_s_at	C10orf18
211376_s_at	C10orf86
219067_s_at	C10orf86
213239_at	C13orf24
218139_s_at	C14orf108
202623_at	C14orf11
212870_at	C14orf138
209092_s_at	C17orf25
220992_s_at	C1orf25
220477_s_at	C20orf30
221787_at	C6orf120
218195_at	C6orf211
218877_s_at	C6orf75
205684_s_at	C9orf55
203801_at	CACYBP
212711_at	CAMSAP1
207483_s_at	CAND1
213165_at	CAP350

203356_at	CAPN7
203357_s_at	CAPN7
201238_s_at	CAPZA2
207467_x_at	CAST
212586_at	CAST
201518_at	CBX1
200984_s_at	CD59
221449_s_at	CDA08
202892_at	CDC23
209112_at	CDKN1B
204739_at	CENPC1
209662_at	CETN3
218085_at	CHMP5
219356_s_at	CHMP5
218439_s_at	COMMD10
202467_s_at	COPS2
218042_at	COPS4
202143_s_at	COPS8
201200_at	CREG1
208669_s_at	CRI1
208670_s_at	CRI1
220044_x_at	CROP
202610_s_at	CRSP2
202611_s_at	CRSP2
204350_s_at	CRSP9
219767_s_at	CRYZL1
201111_at	CSE1L
209259_s_at	CSPG6
202521_at	CTCF
200764_s_at	CTNNA1
200765_x_at	CTNNA1
210844_x_at	CTNNA1
203079_s_at	CUL2
201423_s_at	CUL4A
202213_s_at	CUL4B

202214_s_at	CUL4B
203531_at	CUL5
200794_x_at	DAZAP2
212919_at	DCP2
218013_x_at	DCTN4
201241_at	DDX1
202462_s_at	DDX46
200934_at	DEK
218102_at	DERA
212648_at	DHX29
201581_at	DJ971N18.2
202560_s_at	DKFZP547E10
221596_s_at	DKFZP564O05
202514_at	DLG1
202116_at	DPF2
202673_at	DPM1
209572_s_at	EED
221528_s_at	ELMO2
55692_at	ELMO2
201769_at	ENTH
202176_at	ERCC3
222127_s_at	EXOC1
212131_at	FAM61A
212132_at	FAM61A
209004_s_at	FBXL5
222119_s_at	FBXO11
202271_at	FBXO28
218432_at	FBXO3
209455_at	FBXW11
209630_s_at	FBXW2
212367_at	FEM1B
212373_at	FEM1B
213341_at	FEM1C
202302_s_at	FLJ11021
218449_at	FLJ11200

218179_s_at	FLJ12716
212482_at	FLJ13910
219467_at	FLJ20125
219858_s_at	FLJ20160
222209_s_at	FLJ22104
213294_at	FLJ38348
203689_s_at	FMR1
215245_x_at	FMR1
209702_at	FTO
218373_at	FTS
204299_at	FUSIP1
203282_at	GBE1
217990_at	GMPR2
202615_at	GNAQ
212243_at	GRINL1A
212244_at	GRINL1A
213357_at	GTF2H5
218343_s_at	GTF3C3
201554_x_at	GYG1
212205_at	H2AFV
212206_s_at	H2AFV
203138_at	HAT1
209274_s_at	HBLD2
212785_s_at	HDCMA18P
217902_s_at	HERC2
203711_s_at	HIBCH
212293_at	HIPK1
218946_at	HIRIP5
218152_at	HMG20A
209786_at	HMGN4
204112_s_at	HNMT
211929_at	HNRPA3
201132_at	HNRPH2
208990_s_at	HNRPH3
209512_at	HSDL2



221622_s_at	HT007
202602_s_at	HTATSF1
203327_at	IDE
212223_at	IDS
202491_s_at	IKBKAP
209566_at	INSIG2
217908_s_at	IQWD1
209907_s_at	ITSN2
201643_x_at	JMJD1B
210878_s_at	JMJD1B
212357_at	KIAA0280
203288_at	KIAA0355
212428_at	KIAA0368
203048_s_at	KIAA0372
203049_s_at	KIAA0372
212215_at	KIAA0436
201778_s_at	KIAA0494
212402_at	KIAA0853
212325_at	KIAA1102
212779_at	KIAA1109
221736_at	KIAA1219
212453_at	KIAA1279
212163_at	KIDINS220
203333_at	KIFAP3
217906_at	KLHDC2
34031_i_at	KRIT1
214709_s_at	KTN1
202020_s_at	LANCL1
200673_at	LAPTM4A
202377_at	LEPR
201595_s_at	LEREPO4
202386_s_at	LKAP
218191_s_at	LMBRD1
218303_x_at	LOC51315
220770_s_at	LOC63920

212833_at	LOC91137
213220_at	LOC92482
207358_x_at	MACF1
212184_s_at	MAP3K7IP2
218311_at	MAP4K3
203553_s_at	MAP4K5
203218_at	MAPK9
200624_s_at	MATR3
200626_s_at	MATR3
214363_s_at	MATR3
209580_s_at	MBD4
214047_s_at	MBD4
218288_s_at	MDS025
202616_s_at	MECP2
217843_s_at	MED4
221570_s_at	METTTL5
213065_at	MGC23401
218138_at	MKKS
218259_at	MKL2
202520_s_at	MLH1
218212_s_at	MOCS2
221381_s_at	MORF4
217982_s_at	MORF4L1
212199_at	MRFAP1L1
218536_at	MRS2L
218716_x_at	MTO1
208047_s_at	NAB1
219368_at	NAP1L2
201384_s_at	NBR1
207738_s_at	NCKAP1
209105_at	NCOA1
209106_at	NCOA1
208979_at	NCOA6
200854_at	NCOR1
200857_s_at	NCOR1

217800_s_at	NDFIP1
210817_s_at	NDP52
203613_s_at	NDUFB6
212530_at	NEK7
212678_at	NF1
218127_at	NFYB
218129_s_at	NFYB
202215_s_at	NFYC
219353_at	NHLRC2
209075_s_at	NIFUN
202783_at	NNT
202784_s_at	NNT
210097_s_at	NOL7
213838_at	NOL7
201455_s_at	NPEPPS
220248_x_at	NSFL1C
213461_at	NUDT21
209073_s_at	NUMB
202184_s_at	NUP133
203351_s_at	ORC4L
209485_s_at	OSBPL1A
212585_at	OSBPL8
219421_at	OSRF
218196_at	OSTM1
218209_s_at	P15RS
213289_at	PA2G4
200816_s_at	PAFAH1B1
209063_x_at	PAIP1
210283_x_at	PAIP1
213754_s_at	PAIP1
221751_at	PANK3
202294_at	PCCB
205202_at	PCMT1
208857_s_at	PCMT1
212406_s_at	PCMTD2

217816_s_at	PCNP
219043_s_at	PDCL3
211023_at	PDHB
202658_at	PEX11B
201707_at	PEX19
203970_s_at	PEX3
217952_x_at	PHF3
217954_s_at	PHF3
202738_s_at	PHKB
202739_s_at	PHKB
203492_x_at	PIG8
203493_s_at	PIG8
201133_s_at	PJA2
212628_at	PKN2
201928_at	PKP4
201929_s_at	PKP4
210830_s_at	PON2
202165_at	PPP1R2
204554_at	PPP1R3D
201877_s_at	PPP2R5C
213483_at	PPWD1
202918_s_at	PREI3
212217_at	PREPL
200603_at	PRKAR1A
200604_s_at	PRKAR1A
200605_s_at	PRKAR1A
205880_at	PRKD1
218236_s_at	PRKD3
209139_s_at	PRKRA
218040_at	PRPF38B
201699_at	PSMC6
202353_s_at	PSMD12
201053_s_at	PSMF1
201745_at	PTK9
209896_s_at	PTPN11

201493_s_at	PUM2
204020_at	PURA
200927_s_at	RAB14
207791_s_at	RAB1A
208731_at	RAB2
203885_at	RAB21
213405_at	RAB22A
220955_x_at	RAB23
209084_s_at	RAB28
204547_at	RAB40B
203581_at	RAB4A
203582_s_at	RAB4A
210406_s_at	RAB6C
211961_s_at	RAB7
213313_at	RABGAP1
201244_s_at	RAF1
202101_s_at	RALB
202677_at	RASA1
210621_s_at	RASA1
203132_at	RB1
203250_at	RBM16
218134_s_at	RBM22
212591_at	RBM34
207785_s_at	RBPSUH
218344_s_at	RCOR3
222203_s_at	RDH14
212397_at	RDX
218428_s_at	REV1L
218323_at	RHOT1
202130_at	RIOK3
217865_at	RNF130
201823_s_at	RNF14
201824_at	RNF14
221430_s_at	RNF146
218528_s_at	RNF38

213044_at	ROCK1
201528_at	RPA1
201529_s_at	RPA1
213694_at	RSBN1
212507_at	RW1
205087_at	RWDD3
202853_s_at	RYK
213413_at	SBLF
215548_s_at	SCFD1
218649_x_at	SDCCAG1
202228_s_at	SDFR1
202026_at	SDHD
209175_at	SEC23IP
202798_at	SEC24B
201916_s_at	SEC63
202318_s_at	SENP6
202319_at	SENP6
208939_at	SEPHS1
208671_at	SERINC1
221471_at	SERINC3
202060_at	SH2BP1
202777_at	SHOC2
200711_s_at	SKP1A
200718_s_at	SKP1A
203340_s_at	SLC25A12
218989_x_at	SLC30A5
218519_at	SLC35A5
206875_s_at	SLK
217828_at	SLTM
203075_at	SMAD2
203077_s_at	SMAD2
202527_s_at	SMAD4
200084_at	SMAP
201784_s_at	SMAP
218137_s_at	SMAP1

206542_s_at	SMARCA2
206544_x_at	SMARCA2
212257_s_at	SMARCA2
217707_x_at	SMARCA2
202983_at	SMARCA3
202303_x_at	SMARCA5
213251_at	SMARCA5
213859_x_at	SMARCA5
201589_at	SMC1L1
212927_at	SMC5L1
202113_s_at	SNX2
202114_at	SNX2
217792_at	SNX5
206020_at	SOCS6
214988_s_at	SON
213168_at	SP3
206272_at	SPHAR
202277_at	SPTLC1
212058_at	SR140
212060_at	SR140
212061_at	SR140
208920_at	SRI
200007_at	SRP14
201273_s_at	SRP9
202817_s_at	SS18
213027_at	SSA2
201138_s_at	SSB
208666_s_at	ST13
209649_at	STAM2
208948_s_at	STAU1
211505_s_at	STAU1
212631_at	STX7
212632_at	STX7
203310_at	STXBP3
202930_s_at	SUCLA2

217874_at	SUCLG1
212459_x_at	SUCLG2
215772_x_at	SUCLG2
208761_s_at	SUMO1
211069_s_at	SUMO1
209362_at	SURB7
201023_at	TAF7
221618_s_at	TAF9L
209451_at	TANK
207627_s_at	TFCP2
212043_at	TGOLN2
202606_s_at	TLK1
208943_s_at	TLOC1
212352_s_at	TMED10
214658_at	TMED7
218477_at	TMEM14A
221452_s_at	TMEM14B
200620_at	TMEM59
65630_at	TMEM80
218467_at	TNFSF5IP1
212635_at	TNPO1
212408_at	TOR1AIP1
216100_s_at	TOR1AIP1
217959_s_at	TRAPPC4
201546_at	TRIP12
203732_at	TRIP4
201515_s_at	TSN
203983_at	TSNAX
202266_at	TTRAP
203690_at	TUBGCP3
219201_s_at	TWSG1
209115_at	UBE1C
201899_s_at	UBE2A
209142_s_at	UBE2G1
201535_at	UBL3



215884_s_at	UBQLN2
212760_at	UBR2
203583_at	UNC50
203519_s_at	UPF2
206958_s_at	UPF3A
214323_s_at	UPF3A
218757_s_at	UPF3B
200883_at	UQCRC2
212600_s_at	UQCRC2
202413_s_at	USP1
201099_at	USP9X
206624_at	USP9Y
203614_at	UTP14C
203241_at	UVRAG
201472_at	VBP1
218396_at	VPS13C
217837_s_at	VPS24
201807_at	VPS26A
209268_at	VPS45A
208933_s_at	WAC
212598_at	WDFY3
212606_at	WDFY3
221531_at	WDR61
221532_s_at	WDR61
201295_s_at	WSB1
205672_at	XPA
208775_at	XPO1
208643_s_at	XRCC5
217783_s_at	YPEL5
212455_at	YT521
213077_at	YTHDC2
221613_s_at	ZA20D3
218348_s_at	ZC3H7A
221193_s_at	ZCCHC10
212982_at	ZDHHC17

218249_at	ZDHHC6
202979_s_at	ZF
202137_s_at	ZMYND11
209741_x_at	ZNF291
200867_at	ZNF313
205514_at	ZNF415
206158_s_at	ZNF9
201051_at	
206809_s_at	
212623_at	
218490_s_at	

## **Description**

Membrane-associated ring finger (C3HC4) 7

Membrane-associated ring finger (C3HC4) 7

Septin 2

Septin 2

Septin 10

Septin 10

Aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase

Abl-interactor 1

Actin-related protein 10 homolog (*S. cerevisiae*)

ARP3 actin-related protein 3 homolog (yeast)

ARP3 actin-related protein 3 homolog (yeast)

Activin A receptor, type I

Adenylosuccinate synthase

Angiogenic factor with G patch and FHA domains 1

A kinase (PRKA) anchor protein 11

Amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 3

Amyotrophic lateral sclerosis 4

Similar to RIKEN cDNA 2610307I21

Ankyrin repeat and KH domain containing 1

Ankyrin repeat and MYND domain containing 2

Ankyrin repeat domain 15

Ankyrin repeat domain 17

Annexin A7

Annexin A7

Adenomatosis polyposis coli

Amyloid beta precursor protein (cytoplasmic tail) binding protein 2

ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited)

ADP-ribosylation factor interacting protein 1 (arfaptin 1)

Rho GTPase activating protein 29

synonyms: p190-B, RhoGAP5; isoform a is encoded by transcript variant 1;

AT rich interactive domain 4B (RBP1- like)

Armadillo repeat containing 8

ATM/ATR-Substrate Chk2-Interacting Zn<sup>2+</sup>-finger protein

Activating transcription factor 1

APG3 autophagy 3-like (*S. cerevisiae*)

ATP synthase, H<sup>+</sup> transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)

ATPase, H<sup>+</sup> transporting, lysosomal accessory protein 2

ATPase, H<sup>+</sup> transporting, lysosomal accessory protein 2

ATPase, H<sup>+</sup> transporting, lysosomal 9kDa, V0 subunit e

Alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, *S. cerevisiae*)

Alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, *S. cerevisiae*)

Ataxin 1

Bromodomain adjacent to zinc finger domain, 2B

Acetyl-CoA carboxylase, biotin carboxylase subunit (CAC2)

Brain expressed X-linked-like 1

Bromodomain and WD repeat domain containing 2

BTB (POZ) domain containing 3

BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)

Chromosome 10 open reading frame 18

Chromosome 10 open reading frame 86

Chromosome 10 open reading frame 86

Chromosome 13 open reading frame 24

Chromosome 14 open reading frame 108

Chromosome 14 open reading frame 11

Chromosome 14 open reading frame 138

Chromosome 17 open reading frame 25

Chromosome 1 open reading frame 25

Chromosome 20 open reading frame 30

synonym: bA160E12.4; Homo sapiens chromosome 6 open reading frame 120 (C6orf120), mRNA.

Chromosome 6 open reading frame 211

Chromosome 6 open reading frame 75

Chromosome 9 open reading frame 55

Calcyclin binding protein

Calmodulin regulated spectrin-associated protein 1

Cullin-associated and neddylation-dissociated 1

Centrosome-associated protein 350

Calpain 7

Calpain 7

Capping protein (actin filament) muscle Z-line, alpha 2

Calpastatin

Calpastatin

Chromobox homolog 1 (HP1 beta homolog Drosophila )

CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)

T-cell immunomodulatory protein

CDC23 (cell division cycle 23, yeast, homolog)

Cyclin-dependent kinase inhibitor 1B (p27, Kip1)

Centromere protein C 1

Centrin, EF-hand protein, 3 (CDC31 homolog, yeast)

Chromatin modifying protein 5

Chromatin modifying protein 5

COMM domain containing 10

COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)

COP9 constitutive photomorphogenic homolog subunit 4 (Arabidopsis)

COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)

Cellular repressor of E1A-stimulated genes 1

CREBBP/EP300 inhibitor 1

CREBBP/EP300 inhibitor 1

Cisplatin resistance-associated overexpressed protein

Cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa

Cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa

Cofactor required for Sp1 transcriptional activation, subunit 9, 33kDa

Crystallin, zeta (quinone reductase)-like 1

CSE1 chromosome segregation 1-like (yeast)

Chondroitin sulfate proteoglycan 6 (bamacan)

CCCTC-binding factor (zinc finger protein)

Catenin (cadherin-associated protein), alpha 1, 102kDa

Catenin (cadherin-associated protein), alpha 1, 102kDa

Catenin (cadherin-associated protein), alpha 1, 102kDa

Cullin 2

Cullin 4A

Cullin 4B

Cullin 4B  
Cullin 5  
DAZ associated protein 2  
DCP2 decapping enzyme homolog (*S. cerevisiae*)  
Dynactin 4 (p62)  
DEAD (Asp-Glu-Ala-Asp) box polypeptide 1  
DEAD (Asp-Glu-Ala-Asp) box polypeptide 46  
DEK oncogene (DNA binding)  
2-deoxyribose-5-phosphate aldolase homolog (*C. elegans*)  
DEAH (Asp-Glu-Ala-His) box polypeptide 29  
Hypothetical protein DJ971N18.2  
Chromosome 1 open reading frame 77  
Hypothetical protein DKFZp564O0523  
Discs, large homolog 1 (*Drosophila*)  
D4, zinc and double PHD fingers family 2  
Dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit  
Embryonic ectoderm development  
Engulfment and cell motility 2 (*ced-12* homolog, *C. elegans*)  
Engulfment and cell motility 2 (*ced-12* homolog, *C. elegans*)  
Enthoprotin

Excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)

SEC3-like 1 (*S. cerevisiae*)  
Family with sequence similarity 61, member A  
Family with sequence similarity 61, member A  
F-box and leucine-rich repeat protein 5  
F-box protein 11  
F-box protein 28  
F-box protein 3  
F-box and WD-40 domain protein 11  
F-box and WD-40 domain protein 2  
Fem-1 homolog b (*C. elegans*)  
Fem-1 homolog b (*C. elegans*)  
Fem-1 homolog c (*C. elegans*)  
Similar to splicing factor, arginine/serine-rich 4  
Hypothetical protein FLJ11200

FLJ12716 protein  
Hypothetical protein FLJ13910  
Hypothetical protein FLJ20125  
FLJ20160 protein  
Hypothetical protein FLJ22104  
Hypothetical protein FLJ38348  
Fragile X mental retardation 1  
Fragile X mental retardation 1  
Fatso  
Fused toes homolog (mouse)  
FUS interacting protein (serine/arginine-rich) 1  
Glucan (1,4-alpha-), branching enzyme 1 (glycogen branching enzyme, Andersen disease, glycogen storage disease type IV)  
Guanosine monophosphate reductase 2  
Guanine nucleotide binding protein (G protein), q polypeptide  
Glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A  
Glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A  
General transcription factor IIH, polypeptide 5  
General transcription factor IIIC, polypeptide 3, 102kDa  
Glycogenin  
H2A histone family, member V  
H2A histone family, member V  
  
HESB like domain containing 2  
HDCMA18P protein  
D15F37 gene  
3-hydroxyisobutyryl-Coenzyme A hydrolase  
Homeodomain interacting protein kinase 1  
HIRA interacting protein 5  
High-mobility group 20A  
High mobility group nucleosomal binding domain 4  
Histamine N-methyltransferase  
Heterogeneous nuclear ribonucleoprotein A3  
  
Heterogeneous nuclear ribonucleoprotein H3 (2H9)  
Hydroxysteroid dehydrogenase like 2

Uncharacterized hypothalamus protein HT007  
HIV TAT specific factor 1  
Insulin-degrading enzyme  
Iduronate 2-sulfatase (Hunter syndrome)  
Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein  
Insulin induced gene 2  
IQ motif and WD repeats 1  
Intersectin 2  
Jumonji domain containing 1B  
Jumonji domain containing 1B  
KIAA0280 protein  
KIAA0355  
KIAA0368  
KIAA0372  
KIAA0372  
Prolyl endopeptidase-like  
KIAA0494 gene product  
KIAA0853  
KIAA1102 protein  
KIAA1109  
KIAA1219 protein  
KIAA1279  
Kinase D-interacting substance of 220 kDa  
Kinesin-associated protein 3  
Kelch domain containing 2  
KRIT1, ankyrin repeat containing  
Kinectin 1 (kinesin receptor)  
LanC lantibiotic synthetase component C-like 1 (bacterial)  
Lysosomal-associated protein transmembrane 4 alpha  
Leptin receptor  
Likely ortholog of mouse immediate early response, erythropoietin 4  
Limkain b1  
LMBR1 domain containing 1  
Hypothetical protein LOC51315  
Homo sapiens transposon-derived Buster3 transposase-like (LOC63920), mRNA.



Hypothetical protein BC017169  
Hypothetical protein LOC92482  
Glycine-rich protein (GRP3S)  
Mitogen-activated protein kinase kinase kinase 7 interacting protein 2  
Mitogen-activated protein kinase kinase kinase kinase 3  
Mitogen-activated protein kinase kinase kinase kinase 5  
Mitogen-activated protein kinase 9  
Matrin 3  
Matrin 3  
Matrin 3  
Methyl-CpG binding domain protein 4  
Methyl-CpG binding domain protein 4  
Hypothetical protein MDS025  
Methyl CpG binding protein 2 (Rett syndrome)  
Mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)  
Methyltransferase like 5  
Hypothetical protein MGC23401  
McKusick-Kaufman syndrome  
MKL/myocardin-like 2  
MutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)  
Molybdenum cofactor synthesis 2  
Mortality factor 4  
Mortality factor 4 like 1  
Morf4 family associated protein 1-like 1  
MRS2-like, magnesium homeostasis factor (S. cerevisiae)  
Mitochondrial translation optimization 1 homolog (S. cerevisiae)  
NGFI-A binding protein 1 (EGR1 binding protein 1)  
Nucleosome assembly protein 1-like 2  
Neighbor of BRCA1 gene 1  
NCK-associated protein 1  
Nuclear receptor coactivator 1  
Nuclear receptor coactivator 1  
Nuclear receptor coactivator 6  
Nuclear receptor co-repressor 1  
Nuclear receptor co-repressor 1

Nedd4 family interacting protein 1  
Nuclear domain 10 protein  
NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa  
NIMA (never in mitosis gene a)-related kinase 7  
Neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease)  
Nuclear transcription factor Y, beta  
Nuclear transcription factor Y, beta  
Nuclear transcription factor Y, gamma  
synonyms: FLJ20147, FLJ25621, FLJ33312, MGC45492, DKFZp779F115; 1200003G01Rik;  
NifU-like N-terminal domain containing  
Nicotinamide nucleotide transhydrogenase  
Nicotinamide nucleotide transhydrogenase  
Nucleolar protein 7, 27kDa  
Nucleolar protein 7, 27kDa  
Aminopeptidase puromycin sensitive  
NSFL1 (p97) cofactor (p47)  
Nudix (nucleoside diphosphate linked moiety X)-type motif 21  
Numb homolog (Drosophila)  
Nucleoporin 133kDa  
Origin recognition complex, subunit 4-like (yeast)  
Oxysterol binding protein-like 1A  
Oxysterol binding protein-like 8  
Osmosis responsive factor  
Osteopetrosis associated transmembrane protein 1  
Hypothetical protein FLJ10656  
Proliferation-associated 2G4, 38kDa  
Platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa  
Poly(A) binding protein interacting protein 1  
Poly(A) binding protein interacting protein 1  
Poly(A) binding protein interacting protein 1  
Solute carrier family 2 (facilitated glucose transporter), member 3 pseudogene 1  
Propionyl Coenzyme A carboxylase, beta polypeptide  
Protein-L-isoaspartate (D-aspartate) O-methyltransferase  
Protein-L-isoaspartate (D-aspartate) O-methyltransferase  
Chromosome 20 open reading frame 36

PEST-containing nuclear protein  
Phosducin-like 3  
Pyruvate dehydrogenase (lipoamide) beta  
Peroxisomal biogenesis factor 11B  
Peroxisomal biogenesis factor 19  
Peroxisomal biogenesis factor 3  
PHD finger protein 3  
PHD finger protein 3  
Phosphorylase kinase, beta  
Phosphorylase kinase, beta  
Translokin  
Translokin  
Praja 2, RING-H2 motif containing  
Protein kinase N2  
Plakophilin 4  
Plakophilin 4  
Paraoxonase 2  
Protein phosphatase 1, regulatory (inhibitor) subunit 2  
Protein phosphatase 1, regulatory subunit 3D  
Protein phosphatase 2, regulatory subunit B (B56), gamma isoform  
Peptidylprolyl isomerase domain and WD repeat containing 1  
Preimplantation protein 3

Solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1

Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)  
Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)  
Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)  
Protein kinase D1  
Protein kinase D3  
Protein kinase, interferon-inducible double stranded RNA dependent activator  
PRP38 pre-mRNA processing factor 38 (yeast) domain containing B  
Proteasome (prosome, macropain) 26S subunit, ATPase, 6  
Proteasome (prosome, macropain) 26S subunit, non-ATPase, 12  
Proteasome (prosome, macropain) inhibitor subunit 1 (PI31)  
PTK9 protein tyrosine kinase 9  
Protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)

Pumilio homolog 2 (Drosophila)

Purine-rich element binding protein A

RAB14, member RAS oncogene family

RAB1A, member RAS oncogene family

RAB2, member RAS oncogene family

RAB21, member RAS oncogene family

RAB22A, member RAS oncogene family

RAB23, member RAS oncogene family

RAB28, member RAS oncogene family

RAB40B, member RAS oncogene family

RAB4A, member RAS oncogene family

RAB4A, member RAS oncogene family

RAB6C, member RAS oncogene family

RAB7, member RAS oncogene family

RAB GTPase activating protein 1

V-raf-1 murine leukemia viral oncogene homolog 1

V-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)

RAS p21 protein activator (GTPase activating protein) 1

RAS p21 protein activator (GTPase activating protein) 1

**Retinoblastoma 1 (including osteosarcoma)**

RNA binding motif protein 16

RNA binding motif protein 22

RNA binding motif protein 34

Recombining binding protein suppressor of hairless (Drosophila)

REST corepressor 3

Retinol dehydrogenase 14 (all-trans and 9-cis)

Radixin

REV1-like (yeast)

RIO kinase 3 (yeast)

Ring finger protein 130

Ring finger protein 14

Ring finger protein 14

Ring finger protein 146

Ring finger protein 38

Rho-associated, coiled-coil containing protein kinase 1  
Replication protein A1, 70kDa  
Replication protein A1, 70kDa  
Round spermatid basic protein 1  
RW1 protein  
RWD domain containing 3  
RYK receptor-like tyrosine kinase  
TFIIA-alpha/beta-like factor  
Sec1 family domain containing 1  
Serologically defined colon cancer antigen 1  
Stromal cell derived factor receptor 1  
Succinate dehydrogenase complex, subunit D, integral membrane protein  
SEC23 interacting protein  
SEC24 related gene family, member B (*S. cerevisiae*)  
SEC63-like (*S. cerevisiae*)  
SUMO1/sentrin specific protease 6  
SUMO1/sentrin specific protease 6  
Selenophosphate synthetase 1  
Tumor differentially expressed 2  
Tumor differentially expressed 1  
SH2 domain binding protein 1 (tetratricopeptide repeat containing)  
Soc-2 suppressor of clear homolog (*C. elegans*)  
S-phase kinase-associated protein 1A (p19A)  
S-phase kinase-associated protein 1A (p19A)  
Solute carrier family 25 (mitochondrial carrier, Aralar), member 12  
Solute carrier family 30 (zinc transporter), member 5  
Solute carrier family 35, member A5  
STE20-like kinase (yeast)  
Modulator of estrogen induced transcription  
SMAD, mothers against DPP homolog 2 (*Drosophila*)  
SMAD, mothers against DPP homolog 2 (*Drosophila*)  
SMAD, mothers against DPP homolog 4 (*Drosophila*)  
Small acidic protein  
Small acidic protein  
Stromal membrane-associated protein 1

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5

SMC1 structural maintenance of chromosomes 1-like 1 (yeast)

SMC5 structural maintenance of chromosomes 5-like 1 (yeast)

Sorting nexin 2

Sorting nexin 2

Sorting nexin 5

Suppressor of cytokine signaling 6

SON DNA binding protein

Sp3 transcription factor

S-phase response (cyclin-related)

Serine palmitoyltransferase, long chain base subunit 1

U2-associated SR140 protein

U2-associated SR140 protein

U2-associated SR140 protein

Sorcin

Signal recognition particle 14kDa (homologous Alu RNA binding protein)

Signal recognition particle 9kDa

Synovial sarcoma translocation, chromosome 18

TROVE domain family, member 2

Sjogren syndrome antigen B (autoantigen La)

Suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)

Signal transducing adaptor molecule (SH3 domain and ITAM motif) 2

Syntaxin 7

Syntaxin 7

Syntaxin binding protein 3

Succinate-CoA ligase, ADP-forming, beta subunit

Succinate-CoA ligase, GDP-forming, alpha subunit  
Succinate-CoA ligase, GDP-forming, beta subunit  
Succinate-CoA ligase, GDP-forming, beta subunit  
SMT3 suppressor of mif two 3 homolog 1 (yeast)  
SMT3 suppressor of mif two 3 homolog 1 (yeast)  
SRB7 suppressor of RNA polymerase B homolog (yeast)  
TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa  
TAF9-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa  
TRAF family member-associated NFKB activator  
Transcription factor CP2  
Trans-golgi network protein 2  
Tousled-like kinase 1  
Translocation protein 1  
Transmembrane trafficking protein  
Transmembrane emp24 protein transport domain containing 7  
Transmembrane protein 14A  
Transmembrane protein 14B  
Transmembrane protein 59  
Hypothetical protein LOC283232  
Tumor necrosis factor superfamily, member 5-induced protein 1  
Transportin 1  
Torsin A interacting protein 1  
Torsin A interacting protein 1  
Trafficking protein particle complex 4  
Thyroid hormone receptor interactor 12  
Thyroid hormone receptor interactor 4  
Translin  
Translin-associated factor X  
TRAF and TNF receptor associated protein  
Tubulin, gamma complex associated protein 3  
Twisted gastrulation homolog 1 (Drosophila)  
Ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)  
Ubiquitin-conjugating enzyme E2A (RAD6 homolog)  
Ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)  
Ubiquitin-like 3

Ubiquilin 2  
Ubiquitin protein ligase E3 component n-recogin 2  
Unc-50 homolog (C. elegans)  
UPF2 regulator of nonsense transcripts homolog (yeast)  
UPF3 regulator of nonsense transcripts homolog A (yeast)  
UPF3 regulator of nonsense transcripts homolog A (yeast)  
UPF3 regulator of nonsense transcripts homolog B (yeast)  
Ubiquinol-cytochrome c reductase core protein II  
Ubiquinol-cytochrome c reductase core protein II  
Ubiquitin specific protease 1  
Ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)  
Ubiquitin specific protease 9, Y-linked (fat facets-like, Drosophila)  
UTP14, U3 small nucleolar ribonucleoprotein, homolog C (yeast)  
UV radiation resistance associated gene  
Von Hippel-Lindau binding protein 1  
Vacuolar protein sorting 13C (yeast)  
Vacuolar protein sorting 24 (yeast)

Vacuolar protein sorting 45A (yeast)  
WW domain containing adaptor with coiled-coil  
WD repeat and FYVE domain containing 3  
WD repeat and FYVE domain containing 3  
WD repeat domain 61  
WD repeat domain 61  
WD repeat and SOCS box-containing 1  
Xeroderma pigmentosum, complementation group A  
Exportin 1 (CRM1 homolog, yeast)

X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining; Ku autoantigen, 80kDa)

Yippee-like 5 (Drosophila)

YTH domain containing 2  
Zinc finger, A20 domain containing 3  
Zinc finger CCCH-type containing 7A  
Zinc finger, CCHC domain containing 10  
Zinc finger, DHHC-type containing 17



Zinc finger, DHHC-type containing 6  
HCF-binding transcription factor Zhangfei  
Zinc finger, MYND domain containing 11  
Zinc finger protein 291  
Zinc finger protein 313  
Zinc finger protein 415  
Zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)

Transmembrane protein 41B