

Appendix 1.

List of genes with significant differential expression between retinoblastoma matched with normal retina

Fold Change	ID	Symbol	Entrez Gene Name	Location	Type
-61.726	203131_at	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	Plasma	kinase
-44.016	205694_at	TYRP1	tyrosinase-related protein 1	Membrane	enzyme
-39.006	204719_at	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	Cytoplasm	transporter
-38.624	223395_at	ABI3BP	ABI family, member 3 (NESH) binding protein	Plasma	transporter
-34.263	229839_at	SCARA5	scavenger receptor class A, member 5 (putative)	Membrane	other
-28.929	219454_at	EGFL6	EGF-like-domain, multiple 6 ectonucleotide	Extracellular Space	other
-28.538	209392_at	ENPP2	pyrophosphatase/phosphodiesterase 2	Plasma	enzyme
-22.238	227662_at	SYNPO2	synaptopodin 2	Membrane	other
-21.560	213317_at	CLIC5	chloride intracellular channel 5	Cytoplasm	ion channel
-20.738	238029_s_at	SLC16A14	solute carrier family 16, member 14 (monocarboxylic acid transporter 14)	Unknown	other
-20.645	204237_at	GULP1	GULP, engulfment adaptor PTB domain containing 1	Cytoplasm	other
-19.521	212226_s_at	PPAP2B	phosphatidic acid phosphatase type 2B	Plasma	phosphatase
-19.308	215388_s_at	CFH	complement factor H	Membrane	phosphatase
-19.014	211959_at	IGFBP5	insulin-like growth factor binding protein 5	Extracellular Space	other
-18.797	203510_at	MET	met proto-oncogene (hepatocyte growth factor receptor)	Plasma	kinase
-18.552	222453_at	CYBRD1	cytochrome b reductase 1	Membrane	enzyme
-17.283	225242_s_at	CCDC80	coiled-coil domain containing 80	Cytoplasm	other
-17.071	201842_s_at	EFEMP1	EGF-containing fibulin-like extracellular matrix protein 1	Nucleus	other
-16.735	229450_at	IFIT3	interferon-induced protein with tetratricopeptide repeats 3	Extracellular Space	other
-16.421	223235_s_at	SMOC2	SPARC related modular calcium binding 2	Cytoplasm	other
-16.417	225442_at	DDR2	discoidin domain receptor tyrosine kinase 2	Extracellular Space	other
-15.882	212614_at	ARID5B	AT rich interactive domain 5B (MRF1-like)	Plasma	kinase
-15.587	222043_at	CLU	clusterin	Membrane	transcription regulator
-15.091	207761_s_at	METTTL7A	methyltransferase like 7A	Nucleus	regulator
-15.056	226322_at	TMTC1	transmembrane and tetratricopeptide repeat containing 1	Extracellular Space	other
-15.003	204653_at	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein	Unknown	other transcription regulator

2 alpha)

-14.828	226534_at	KITLG	KIT ligand	Extracellular Space	growth factor
-14.632	224975_at	NFIA	nuclear factor I/A	Nucleus	transcription regulator
-14.356	229831_at	CNTN3	contactin 3 (plasmacytoma associated)	Plasma Membrane	other
-14.326	211813_x_at	DCN	decorin	Extracellular Space	other
-14.177	219093_at	PID1	phosphotyrosine interaction domain containing 1	Unknown	other
-14.133	211748_x_at	PTGDS	prostaglandin D2 synthase 21kDa (brain)	Cytoplasm	enzyme
-14.072	212353_at	SULF1	sulfatase 1	Cytoplasm	enzyme
-13.975	217767_at	C3	complement component 3	Extracellular Space	peptidase
-13.514	228949_at	GPR177	G protein-coupled receptor 177	Unknown	other
-13.476	221748_s_at	TNS1	tensin 1	Plasma Membrane	other
-13.421	230250_at	PTPRB	protein tyrosine phosphatase, receptor type, B	Plasma Membrane	phosphatase
-13.000	228640_at	PCDH7	protocadherin 7	Plasma Membrane	other
-12.702	211675_s_at	MDFIC	MyoD family inhibitor domain containing	Nucleus	other
-12.489	218901_at	PLSCR4	phospholipid scramblase 4	Plasma Membrane	enzyme
-12.360	202409_at	IGF2	insulin-like growth factor 2 (somatomedin A)	Extracellular Space	growth factor
-12.186	225571_at	LIFR	leukemia inhibitory factor receptor alpha	Plasma Membrane	transmembrane receptor
-12.184	203038_at	PTPRK	protein tyrosine phosphatase, receptor type, K	Plasma Membrane	phosphatase
-12.100	203180_at	ALDH1A3	aldehyde dehydrogenase 1 family, member A3	Cytoplasm	enzyme
-12.099	224694_at	ANTXR1	anthrax toxin receptor 1	Plasma Membrane	other
-11.929	203498_at	RCAN2	regulator of calcineurin 2	Unknown	other
-11.706	208747_s_at	C1S	complement component 1, s subcomponent	Extracellular Space	peptidase
-11.702	204273_at	EDNRB	endothelin receptor type B	Plasma Membrane	G-protein coupled receptor
-11.624	204223_at	PRELP	proline/arginine-rich end leucine-rich repeat protein	Extracellular Space	other
-11.611	225782_at	MSRB3	methionine sulfoxide reductase B3	Cytoplasm	enzyme
-11.546	218501_at	ARHGEF3	Rho guanine nucleotide exchange factor (GEF) 3	Cytoplasm	other
-11.451	227717_at	FLJ41603	FLJ41603 protein	Unknown	other
-11.432	206030_at	ASPA	aspartoacylase (Canavan disease)	Unknown	enzyme
-11.400	201744_s_at	LUM	lumican	Extracellular Space	other
-11.308	204823_at	NAV3	neuron navigator 3	Unknown	other
-11.268	210139_s_at	PMP22	peripheral myelin protein 22	Plasma Membrane	other

-11.178	201427_s_at	SEPP1	selenoprotein P, plasma, 1	Extracellular Space Plasma	other
-11.115	206349_at	LG1	leucine-rich, glioma inactivated 1	Membrane	other
-11.000	217853_at	TNS3	tensin 3	Unknown	phosphatase transcription regulator
-10.790	224894_at	YAP1	Yes-associated protein 1, 65kDa	Nucleus	regulator
-10.766	225975_at	PCDH18	protocadherin 18	Extracellular Space	other
-10.615	227013_at	LATS2	LATS, large tumor suppressor, homolog 2 (Drosophila)	Nucleus	kinase
-10.601	202450_s_at	CTSK	cathepsin K	Cytoplasm	peptidase transcription regulator
-10.590	200878_at	EPAS1	endothelial PAS domain protein 1	Nucleus	regulator
-10.574	221541_at	CRISPLD2	cysteine-rich secretory protein LCCL domain containing 2	Unknown	other
-10.553	203305_at	F13A1	coagulation factor XIII, A1 polypeptide	Extracellular Space	enzyme
-10.485	203786_s_at	TPD52L1	tumor protein D52-like 1	Cytoplasm	other
-10.457	225817_at	CGNL1	cingulin-like 1	Unknown	other transcription regulator
-10.292	213293_s_at	TRIM22	tripartite motif-containing 22	Cytoplasm	regulator
-10.291	228143_at	CP	ceruloplasmin (ferroxidase) tissue factor pathway inhibitor	Extracellular Space	enzyme
-10.223	213258_at	TFPI	(lipoprotein-associated coagulation inhibitor)	Extracellular Space Plasma	other
-10.198	226189_at	ITGB8	integrin, beta 8	Membrane Plasma	other
-10.088	203323_at	CAV2	caveolin 2	Membrane	other
-10.015	203185_at	RASSF2	Ras association (RalGDS/AF-6) domain family member 2	Nucleus	other
-9.965	226021_at	RDH10	retinol dehydrogenase 10 (all-trans)	Unknown	enzyme
-9.926	202948_at	IL1R1	interleukin 1 receptor, type I	Plasma Membrane	transmembrane receptor
-9.920	200986_at	SERPING1	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	Extracellular Space	other G-protein coupled receptor ligand- dependent nuclear receptor
-9.823	205898_at	CX3CR1	chemokine (C-X3-C motif) receptor 1	Plasma Membrane	receptor
-9.677	209120_at	NR2F2	nuclear receptor subfamily 2, group F, member 2	Nucleus Plasma	receptor
-9.661	202746_at	ITM2A	integral membrane protein 2A	Membrane	other
-9.628	201860_s_at	PLAT	plasminogen activator, tissue	Extracellular Space	peptidase
-9.608	204820_s_at	BTN3A3	butyrophilin, subfamily 3, member A3	Unknown	other
-9.536	217967_s_at	FAM129A	family with sequence similarity 129, member A	Unknown Plasma	other
-9.504	225987_at	STEAP4	STEAP family member 4	Membrane	other
-9.489	201798_s_at	MYOF	myoferlin	Nucleus	other

-9.474	203854_at	CFI	complement factor I	Extracellular Space Plasma	peptidase
-9.462	203903_s_at	HEPH	hephaestin	Membrane	transporter
-9.391	212543_at	AIM1	absent in melanoma 1	Unknown	other
-9.328	205632_s_at	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	Cytoplasm	kinase
-9.255	221760_at	MAN1A1	mannosidase, alpha, class 1A, member 1	Cytoplasm	enzyme
-9.236	214696_at	C17ORF91	chromosome 17 open reading frame 91	Unknown	other
-9.079	206081_at	SLC24A1	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1	Plasma Membrane	transporter
-8.959	201280_s_at	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	Plasma Membrane	other
-8.848	212377_s_at	NOTCH2	Notch homolog 2 (Drosophila)	Plasma Membrane	transcription regulator
-8.752	1554547_at	FAM13C	family with sequence similarity 13, member C	Unknown	other
-8.702	203934_at	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	Plasma Membrane	kinase
-8.645	226932_at	SSPN	sarcospan (Kras oncogene-associated gene)	Plasma Membrane	other
-8.565	209656_s_at	TMEM47	transmembrane protein 47	Plasma Membrane	other
-8.512	222108_at	AMIGO2	adhesion molecule with Ig-like domain 2	Plasma Membrane	other
-8.370	224822_at	DLC1	deleted in liver cancer 1	Cytoplasm	other
-8.352	226733_at	PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2	Cytoplasm	kinase
-8.300	202283_at	SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	Extracellular Space	other
-8.283	203973_s_at	CEBPD	CCAAT/enhancer binding protein (C/EBP), delta	Nucleus	transcription regulator
-8.247	202766_s_at	FBN1	fibrillin 1	Extracellular Space Plasma	other
-8.205	204011_at	SPRY2	sprouty homolog 2 (Drosophila)	Plasma Membrane	other
-8.152	227088_at	PDE5A	phosphodiesterase 5A, cGMP-specific	Cytoplasm	enzyme
-8.133	204363_at	F3	coagulation factor III (thromboplastin, tissue factor)	Plasma Membrane	transmembrane receptor
-8.115	205234_at	SLC16A4	solute carrier family 16, member 4 (monocarboxylic acid transporter 5)	Plasma Membrane	transporter
-8.045	226757_at	IFIT2	interferon-induced protein with tetratricopeptide repeats 2	Unknown	other
-7.991	225516_at	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	Plasma Membrane	transporter
-7.978	208407_s_at	CTNND1	catenin (cadherin-associated protein), delta 1	Nucleus	other
-7.955	209541_at	IGF1	insulin-like growth factor 1 (somatomedin C)	Extracellular Space	growth factor

-7.914	212761_at	TCF7L2	transcription factor 7-like 2 (T-cell specific, HMG-box)	Nucleus	transcription regulator
-7.885	227529_s_at	AKAP12	A kinase (PRKA) anchor protein 12	Cytoplasm	transporter
-7.868	203153_at	IFIT1	interferon-induced protein with tetratricopeptide repeats 1	Cytoplasm	other
-7.865	244050_at	PTPLAD2	protein tyrosine phosphatase-like A domain containing 2	Unknown Plasma	other
-7.833	212646_at	RFTN1	raftlin, lipid raft linker 1	Membrane	other
-7.811	201601_x_at	IFITM1	interferon induced transmembrane protein 1 (9-27)	Membrane	other
-7.783	204646_at	DPYD	dihydropyrimidine dehydrogenase myxovirus (influenza virus)	Cytoplasm	enzyme
-7.774	202086_at	MX1	resistance 1, interferon-inducible protein p78 (mouse)	Nucleus	enzyme
-7.745	200965_s_at	ABLIM1	actin binding LIM protein 1	Cytoplasm	other
-7.729	231807_at	KIAA1217	KIAA1217	Cytoplasm	other
-7.711	200904_at	HLA-E	major histocompatibility complex, class I, E	Plasma Membrane	transmembrane receptor
-7.694	228496_s_at	CRIM1	cysteine rich transmembrane BMP regulator 1 (chordin-like)	Extracellular Space	kinase
-7.597	209496_at	RARRES2	retinoic acid receptor responder (tazarotene induced) 2	Plasma Membrane	transmembrane receptor transcription regulator
-7.577	227646_at	EBF1	early B-cell factor 1	Nucleus	regulator
-7.556	209277_at	TFPI2	tissue factor pathway inhibitor 2	Extracellular Space	other transcription regulator
-7.509	206481_s_at	LDB2	LIM domain binding 2	Nucleus	regulator
-7.505	201360_at	CST3	cystatin C	Extracellular Space	other transcription regulator
-7.406	207069_s_at	SMAD6	SMAD family member 6	Nucleus	regulator
-7.392	219209_at	IFIH1	interferon induced with helicase C domain 1	Nucleus	enzyme
-7.368	203640_at	MBNL2	muscleblind-like 2 (Drosophila)	Unknown	other
-7.306	202363_at	SPOCK1	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Extracellular Space Plasma	other
-7.282	214844_s_at	DOK5	docking protein 5	Membrane Plasma	other
-7.266	201302_at	ANXA4	annexin A4	Membrane	other
-7.235	200696_s_at	GSN	gelsolin (amyloidosis, Finnish type)	Extracellular Space Plasma	other
-7.190	203304_at	BAMBI	BMP and activin membrane-bound inhibitor homolog (Xenopus laevis)	Membrane	other
-7.177	205752_s_at	GSTM5	glutathione S-transferase mu 5	Cytoplasm	enzyme
-7.134	204959_at	MNDA	myeloid cell nuclear differentiation antigen	Nucleus	other
-7.131	221019_s_at	COLEC12	collectin sub-family member 12	Plasma Membrane	transmembrane receptor transcription regulator
-7.062	203140_at	BCL6	B-cell CLL/lymphoma 6	Nucleus Plasma	regulator
-7.050	213241_at	PLXNC1	plexin C1	Membrane	other

-7.031	201426_s_at	VIM	vimentin	Cytoplasm	other
-7.001	212419_at	ZCCHC24	zinc finger, CCHC domain containing 24	Unknown	other
-6.982	232327_at	THSD7B	thrombospondin, type I, domain containing 7B	Unknown	other
-6.951	205352_at	SERPINI1	serpin peptidase inhibitor, clade I (neuroserpin), member 1	Extracellular Space	other
-6.911	212989_at	SGMS1	sphingomyelin synthase 1	Cytoplasm	enzyme
-6.900	201876_at	PON2	paraoxonase 2	Extracellular Space	enzyme
-6.873	217757_at	A2M	alpha-2-macroglobulin	Extracellular Space	transporter
-6.845	201042_at	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	Cytoplasm	enzyme
-6.832	202481_at	DHRS3	dehydrogenase/reductase (SDR family) member 3	Cytoplasm	enzyme
-6.797	212256_at	GALNT10	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10)	Cytoplasm	enzyme
-6.746	228141_at	GPX8	glutathione peroxidase 8 (putative)	Unknown	enzyme
-6.727	225381_at	LOC399959	hypothetical LOC399959	Unknown	other
-6.712	229114_at	GAB1	GRB2-associated binding protein 1	Cytoplasm	other
-6.656	212192_at	KCTD12	potassium channel tetramerisation domain containing 12	Unknown	ion channel
-6.647	235308_at	ZBTB20	zinc finger and BTB domain containing 20	Nucleus Plasma	other
-6.641	212314_at	SERINC2	serine incorporator 2	Membrane	transporter
-6.592	228608_at	NALCN	sodium leak channel, non-selective	Unknown	ion channel
-6.562	225990_at	BOC	Boc homolog (mouse)	Unknown Plasma	other
-6.510	203868_s_at	VCAM1	vascular cell adhesion molecule 1	Membrane	other
-6.500	221024_s_at	SLC2A10	solute carrier family 2 (facilitated glucose transporter), member 10	Plasma Membrane	transporter
-6.499	215193_x_at	HLA-DRB1	major histocompatibility complex, class II, DR beta 1	Plasma Membrane	transmembr receptor
-6.464	201315_x_at	IFITM2	interferon induced transmembrane protein 2 (1-8D)	Plasma Membrane	other
-6.452	222870_s_at	B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2	Cytoplasm	enzyme transcriptio regulator
-6.356	208763_s_at	TSC22D3	TSC22 domain family, member 3	Nucleus	regulator
-6.352	201185_at	HTRA1	HtrA serine peptidase 1	Extracellular Space	peptidase
-6.341	202149_at	NEDD9	neural precursor cell expressed, developmentally down-regulated 9	Nucleus	other
-6.330	57588_at	SLC24A3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	Plasma Membrane	transporter
-6.292	235489_at	RHOJ	ras homolog gene family, member J	Cytoplasm	enzyme
-6.258	214156_at	MYRIP	myosin VIIA and Rab interacting protein	Cytoplasm	other
-6.250	212912_at	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	Nucleus	kinase
-6.218	211986_at	AHNAK	AHNAK nucleoprotein	Nucleus	other
-6.211	234994_at	TMEM200A	transmembrane protein 200A	Unknown	other

-6.193	205498_at	GHR	growth hormone receptor	Plasma Membrane	transmembr receptor
-6.167	226671_at	LAMP2	lysosomal-associated membrane protein 2	Plasma Membrane	enzyme
-6.093	203710_at	ITPR1	inositol 1,4,5-triphosphate receptor, type 1	Cytoplasm	ion channe
-6.091	236656_s_at	LOC100130506	hypothetical protein LOC100130506	Unknown	other
-6.087	220460_at	SLCO1C1	solute carrier organic anion transporter family, member 1C1	Plasma Membrane	transporter
-6.082	203961_at	NEBL	nebullette	Cytoplasm	other
-6.081	208894_at	HLA-DRA	major histocompatibility complex, class II, DR alpha	Plasma Membrane	transmembr receptor
-6.077	211962_s_at	ZFP36L1	zinc finger protein 36, C3H type-like 1	Nucleus	transcriptio regulator
-6.068	204754_at	HLF (includes EG:3131)	hepatic leukemia factor	Nucleus	transcriptio regulator
-6.063	212203_x_at	IFITM3	interferon induced transmembrane protein 3 (1-8U)	Plasma Membrane	other
-6.049	1556096_s_at	UNC13C	unc-13 homolog C (C. elegans)	Cytoplasm	other
-6.031	217732_s_at	ITM2B	integral membrane protein 2B	Plasma Membrane	other
-5.983	202869_at	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa	Cytoplasm	enzyme
-5.981	218589_at	P2RY5	purinergic receptor P2Y, G-protein coupled, 5	Plasma Membrane	G-protein coupled receptor
-5.963	200911_s_at	TACC1	transforming, acidic coiled-coil containing protein 1	Nucleus	other
-5.942	203881_s_at	DMD	dystrophin	Plasma Membrane	other
-5.916	201153_s_at	MBNL1	muscleblind-like (Drosophila)	Nucleus	other
-5.911	205290_s_at	BMP2	bone morphogenetic protein 2	Extracellular Space	growth fact G-protein
-5.908	230147_at	F2RL2	coagulation factor II (thrombin) receptor-like 2	Plasma Membrane	coupled receptor
-5.832	242344_at	GABRB2	gamma-aminobutyric acid (GABA) A receptor, beta 2	Plasma Membrane	ion channe
-5.832	242931_at	LONRF3	LON peptidase N-terminal domain and ring finger 3	Unknown	other
-5.829	226538_at	MAN2A1	mannosidase, alpha, class 2A, member 1	Cytoplasm	enzyme
-5.814	203964_at	NMI	N-myc (and STAT) interactor	Cytoplasm	transcriptio regulator
-5.810	221816_s_at	PHF11	PHD finger protein 11	Unknown	other

-5.769	212993_at	NACC2	NACC family member 2, BEN and BTB (POZ) domain containing Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	Unknown	other
-5.764	209539_at	ARHGEF6	3'-phosphoadenosine 5'-phosphosulfate synthase 2	Cytoplasm	other
-5.760	203060_s_at	PAPSS2	ubiquitin-conjugating enzyme E2L 6	Cytoplasm	enzyme
-5.733	201649_at	UBE2L6	RAB31, member RAS oncogene family	Cytoplasm	enzyme
-5.729	217764_s_at	RAB31	annexin A11	Nucleus	other
-5.715	206200_s_at	ANXA11	nuclear receptor subfamily 3, group C, member 2	Nucleus	ligand-dependent nuclear receptor
-5.715	205259_at	NR3C2	desmoplakin	Plasma	other
-5.697	200606_at	DSP	phospholipase A2, group XVI	Membrane	other
-5.666	209581_at	PLA2G16	oxysterol binding protein-like 1A	Nucleus	other
-5.651	208158_s_at	OSBPL1A	protein tyrosine phosphatase, receptor type, G	Cytoplasm	other
-5.627	204944_at	PTPRG	acyl-CoA synthetase long-chain family member 5	Plasma	phosphatase
-5.605	218322_s_at	ACSL5	septin 8	Membrane	enzyme
-5.605	226627_at	SEPT8	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	Extracellular Space	other
-5.592	222033_s_at	FLT1	lysophosphatidylcholine acyltransferase 2	Plasma	kinase
-5.575	227889_at	LPCAT2	transcription elongation factor A (SII), 3	Membrane	enzyme
-5.564	226388_at	TCEA3	S-adenosylhomocysteine hydrolase-like 2	Nucleus	transcription regulator
-5.520	212814_at	AHCYL2	Rho GTPase activating protein 18	Unknown	enzyme
-5.500	225171_at	ARHGAP18	podoplanin	Unknown	other
-5.493	221898_at	PDPN	tripeptidyl peptidase I	Plasma	transporter
-5.464	200742_s_at	TPP1	dedicator of cytokinesis 5	Membrane	peptidase
-5.454	230263_s_at	DOCK5	platelet derived growth factor D	Cytoplasm	other
-5.449	219304_s_at	PDGFD	DKFZP564O0823 protein	Unknown	growth factor
-5.435	225809_at	DKFZP564O0823	caveolin 1, caveolae protein, 22kDa	Extracellular Space	other
-5.433	203065_s_at	CAV1	vesicle-associated membrane protein 3 (cellubrevin)	Plasma	other
-5.399	201336_at	VAMP3	sine oculis binding protein homolog (Drosophila)	Membrane	other
-5.375	218974_at	SOBP	CNKSR family member 3	Unknown	other
-5.338	227481_at	CNKSR3	phospholipase B domain containing 1	Plasma	other
-5.312	218454_at	PLBD1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	Extracellular Space	other
-5.309	218986_s_at	DDX60	mal, T-cell differentiation protein	Unknown	enzyme
-5.298	204777_s_at	MAL	guanylate cyclase 1, soluble, alpha 3	Plasma	transporter
-5.296	227235_at	GUCY1A3		Membrane	enzyme

-5.291	204570_at	COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	Cytoplasm	enzyme
-5.287	214433_s_at	SELENBP1	selenium binding protein 1	Cytoplasm	other transcription factor
-5.269	207469_s_at	PIR	pirin (iron-binding nuclear protein)	Nucleus	regulator
-5.259	208012_x_at	SP110	SP110 nuclear body protein	Nucleus	other
-5.237	202336_s_at	PAM	peptidylglycine alpha-amidating monooxygenase	Plasma Membrane	enzyme
-5.222	218805_at	GIMAP5	GTPase, IMAP family member 5	Cytoplasm	other
-5.221	200701_at	NPC2	Niemann-Pick disease, type C2	Extracellular Space	other
-5.218	201983_s_at	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	Plasma Membrane	kinase
-5.190	205051_s_at	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	Plasma Membrane	kinase transcription factor
-5.180	209200_at	MEF2C	myocyte enhancer factor 2C	Nucleus	regulator
-5.180	217546_at	MT1M	metallothionein 1M	Unknown	other
-5.174	219064_at	ITIH5	inter-alpha (globulin) inhibitor H5	Unknown	other
-5.150	205651_x_at	RAPGEF4	Rap guanine nucleotide exchange factor (GEF) 4	Cytoplasm	other
-5.145	203758_at	CTSO	cathepsin O	Cytoplasm	peptidase
-5.137	201425_at	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	Cytoplasm	enzyme
-5.079	209130_at	SNAP23	synaptosomal-associated protein, 23kDa	Plasma Membrane	transporter
-5.056	223502_s_at	TNFSF13B	tumor necrosis factor (ligand) superfamily, member 13b	Extracellular Space	cytokine
-5.042	235146_at	TMCC3	transmembrane and coiled-coil domain family 3	Unknown	other
-5.013	219352_at	HERC6	hect domain and RLD 6	Unknown	enzyme
-5.010	226685_at	SNTB2	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)	Plasma Membrane	other
-5.005	220432_s_at	CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	Cytoplasm	enzyme transcription factor
-4.992	200704_at	LITAF	lipopolysaccharide-induced TNF factor	Nucleus	regulator
-4.991	209619_at	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain	Plasma Membrane	transmembrane receptor
-4.937	219179_at	DACT1	dapper, antagonist of beta-catenin, homolog 1 (Xenopus laevis)	Cytoplasm	other
-4.932	225525_at	CTA-221G9.4	KIAA1671 protein	Unknown	other
-4.927	218285_s_at	BDH2	3-hydroxybutyrate dehydrogenase, type 2	Extracellular Space	enzyme
-4.927	213316_at	KIAA1462	KIAA1462	Unknown	other
-4.927	201069_at	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	Extracellular Space	peptidase
-4.917	228772_at	HNMT	histamine N-methyltransferase	Cytoplasm	enzyme
-4.896	229084_at	CNTN4	contactin 4	Plasma Membrane	enzyme
-4.896	228391_at	CYP4V2	cytochrome P450, family 4, subfamily V, polypeptide 2	Cytoplasm	enzyme transcription factor
-4.894	202484_s_at	MBD2	methyl-CpG binding domain protein 2	Nucleus	regulator

-4.892	200923_at	LGALS3BP	lectin, galactoside-binding, soluble, 3 binding protein	Plasma Membrane	transmembr receptor
-4.864	208782_at	FSTL1	follistatin-like 1	Extracellular Space	other
-4.861	204014_at	DUSP4	dual specificity phosphatase 4	Nucleus	phosphatas
-4.834	228365_at	CPNE8	copine VIII	Unknown Plasma	other
-4.828	213238_at	ATP10D	ATPase, class V, type 10D hairy and enhancer of split 1, (Drosophila)	Membrane	transporter
-4.784	203394_s_at	HES1	ependymin related protein 1 (zebrafish)	Nucleus	transcription regulator
-4.783	223253_at	EPDR1	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Nucleus	other
-4.778	226844_at	MOBKL2B		Unknown	other
-4.767	205559_s_at	PCSK5	proprotein convertase subtilisin/kexin type 5	Extracellular Space	peptidase
-4.755	207957_s_at	PRKCB	protein kinase C, beta von Willebrand factor A domain containing 5A	Cytoplasm	kinase
-4.745	205011_at	VWA5A		Unknown	other
-4.726	209686_at	S100B	S100 calcium binding protein B cAMP responsive element binding protein 3-like 2	Cytoplasm	other
-4.720	212345_s_at	CREB3L2	ATP-binding cassette, sub-family G (WHITE), member 2	Unknown Plasma	other
-4.702	209735_at	ABCG2	sodium channel, voltage-gated, type VII, alpha	Membrane Plasma	transporter
-4.702	228504_at	SCN7A	nucleosome assembly protein 1-like 2	Membrane	ion channe
-4.701	219368_at	NAP1L2		Nucleus	other
-4.697	205027_s_at	MAP3K8	mitogen-activated protein kinase kinase kinase 8	Cytoplasm	kinase
-4.661	225308_s_at	TANC1	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Unknown	other
-4.647	212136_at	ATP2B4	ATPase, Ca ⁺⁺ transporting, plasma membrane 4	Plasma Membrane	transporter
-4.630	225407_at	MBP	myelin basic protein	Extracellular Space	other
-4.626	226047_at	MRVI1	murine retrovirus integration site 1 homolog	Cytoplasm	other
-4.623	203562_at	FEZ1	fasciculation and elongation protein zeta 1 (zygin I)	Cytoplasm	other
-4.621	224724_at	SULF2	sulfatase 2	Extracellular Space	enzyme
-4.593	212956_at	TBC1D9	TBC1 domain family, member 9 (with GRAM domain)	Plasma Membrane	other
-4.560	230595_at	LOC572558	hypothetical locus LOC572558 pleckstrin homology-like domain, family A, member 1	Unknown	other
-4.557	225842_at	PHLDA1		Cytoplasm	other
-4.549	226303_at	PGM5	phosphoglucomutase 5	Cytoplasm	enzyme
-4.542	227702_at	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	Cytoplasm	enzyme
-4.514	202644_s_at	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	Nucleus	other
-4.512	212327_at	LIMCH1	LIM and calponin homology domains 1	Unknown	other
-4.508	200953_s_at	CCND2	cyclin D2	Nucleus	other
-4.506	227803_at	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	Extracellular Space	enzyme

-4.494	216215_s_at	RBM9	RNA binding motif protein 9	Nucleus	transcription regulator
-4.493	200985_s_at	CD59	CD59 molecule, complement regulatory protein	Plasma Membrane	other
-4.491	212920_at	REST	RE1-silencing transcription factor	Nucleus	regulator
-4.483	219440_at	RAI2	retinoic acid induced 2 nuclear factor (erythroid-derived 2)-like 2	Unknown	other
-4.468	201146_at	NFE2L2	like 2	Nucleus	transcription regulator
-4.425	223279_s_at	UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats	Cytoplasm	other
-4.422	201172_x_at	ATP6V0E1	ATPase, H ⁺ transporting, lysosomal 9kDa, V0 subunit e1	Cytoplasm	transporter
-4.419	228268_at	FMO2	flavin containing monooxygenase 2 (non-functional)	Cytoplasm	enzyme
-4.411	223611_s_at	LNK1	ligand of numb-protein X 1	Extracellular Space	enzyme
-4.406	230036_at	SAMD9L	sterile alpha motif domain containing 9-like	Unknown	other
-4.393	227984_at	LOC650392	hypothetical protein LOC650392	Unknown	other
-4.374	201412_at	LRP10	low density lipoprotein receptor-related protein 10	Plasma Membrane	transmembrane receptor
-4.360	206458_s_at	WNT2B	wingless-type MMTV integration site family, member 2B	Extracellular Space	other
-4.352	217890_s_at	PARVA	parvin, alpha	Cytoplasm	other
-4.329	210078_s_at	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	Plasma Membrane	ion channel
-4.326	225136_at	PLEKHA2	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2	Cytoplasm	other
-4.312	214428_x_at	C4A	complement component 4A (Rodgers blood group)	Extracellular Space	other
-4.307	231118_at	ANKRD35	ankyrin repeat domain 35	Unknown	other
-4.302	242033_at	RNF180	ring finger protein 180	Unknown	other
-4.249	209723_at	SERPINB9	serpin peptidase inhibitor, clade B (ovalbumin), member 9	Cytoplasm	other
-4.240	217478_s_at	HLA-DMA	major histocompatibility complex, class II, DM alpha	Plasma Membrane	transmembrane receptor
-4.208	224710_at	RAB34	RAB34, member RAS oncogene family	Cytoplasm	enzyme
-4.187	216268_s_at	JAG1	jagged 1 (Alagille syndrome)	Extracellular Space	growth factor
-4.156	207093_s_at	OMG	oligodendrocyte myelin glycoprotein	Plasma Membrane	G-protein coupled receptor
-4.149	212412_at	PDLIM5	PDZ and LIM domain 5	Cytoplasm	other
-4.133	210198_s_at	PLP1	proteolipid protein 1	Plasma Membrane	other
-4.120	210944_s_at	CAPN3	calpain 3, (p94)	Cytoplasm	peptidase
-4.114	200600_at	MSN	moesin	Plasma Membrane	other
-4.113	213960_at	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	Plasma Membrane	kinase
-4.104	225611_at	MAST4	microtubule associated serine/threonine kinase family	Unknown	kinase

-4.103	213900_at	C9ORF61	member 4 chromosome 9 open reading frame 61	Unknown	other transcription
-4.084	212642_s_at	HIVEP2	human immunodeficiency virus type I enhancer binding protein 2	Nucleus	regulator
-4.061	205934_at	PLCL1	phospholipase C-like 1 chromosome 5 open reading frame 4	Cytoplasm	enzyme
-4.043	220751_s_at	C5ORF4	gliomedin	Unknown	other
-4.025	230360_at	GLDN	heat shock 22kDa protein 8	Cytoplasm	other
-4.009	221667_s_at	HSPB8	protein kinase C, alpha receptor (chemosensory)	Cytoplasm	kinase
-4.007	213093_at	PRKCA	transporter protein 4	Plasma	kinase
-3.994	219684_at	RTP4	potassium inwardly-rectifying channel, subfamily J, member 2	Membrane	other
-3.987	206765_at	KCNJ2	retinoic acid receptor responder (tazarotene induced) 3	Plasma	ion channel
-3.968	204070_at	RARRES3	transcription factor 4	Membrane	regulator
-3.953	222146_s_at	TCF4	aldehyde dehydrogenase 6 family, member A1	Cytoplasm	other transcription
-3.945	221589_s_at	ALDH6A1		Nucleus	regulator
-3.929	216321_s_at	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	Cytoplasm	enzyme
-3.899	221556_at	CDC14B	CDC14 cell division cycle 14 homolog B (<i>S. cerevisiae</i>)	Nucleus	ligand-dependent nuclear receptor
-3.894	208923_at	CYFIP1	cytoplasmic FMR1 interacting	Cytoplasm	phosphatase other

-3.889	226301_at	C6ORF192	protein 1 chromosome 6 open reading frame 192	Unknown	other
-3.887	221864_at	ORAI3	ORAI calcium release-activated calcium modulator 3	Unknown	other
-3.884	202720_at	TES	testis derived transcript (3 LIM domains)	Plasma Membrane	other
-3.878	202421_at	IGSF3	immunoglobulin superfamily, member 3	Plasma Membrane	other
-3.876	208991_at	STAT3	signal transducer and activator of transcription 3 (acute-phase response factor)	Nucleus	transcription regulator
-3.872	220753_s_at	CRYL1	crystallin, lambda 1	Unknown	other
-3.866	224928_at	SETD7	SET domain containing (lysine methyltransferase) 7	Nucleus	enzyme
-3.863	223220_s_at	PARP9	poly (ADP-ribose) polymerase family, member 9	Nucleus	other transcription regulator
-3.849	226982_at	ELL2	elongation factor, RNA polymerase II, 2	Nucleus	transcription regulator
-3.846	212859_x_at	MT1E	metallothionein 1E	Cytoplasm	other
-3.840	204041_at	MAOB	monoamine oxidase B	Cytoplasm	enzyme
-3.830	227399_at	VGLL3	vestigial like 3 (Drosophila)	Unknown	other
-3.820	209770_at	BTN3A1	butyrophilin, subfamily 3, member A1	Unknown	other
-3.820	203666_at	CXCL12	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	Extracellular Space	cytokine
-3.817	218699_at	RAB7L1	RAB7, member RAS oncogene family-like 1	Cytoplasm	enzyme
-3.808	242281_at	GLUL	glutamate-ammonia ligase (glutamine synthetase)	Cytoplasm	enzyme
-3.803	204489_s_at	CD44	CD44 molecule (Indian blood group)	Plasma Membrane	other
-3.801	201887_at	IL13RA1	interleukin 13 receptor, alpha 1	Plasma Membrane	transmembrane receptor ligand-dependent nuclear receptor
-3.791	226978_at	PPARA	peroxisome proliferator-activated receptor alpha	Nucleus	nuclear receptor
-3.790	228708_at	RAB27B	RAB27B, member RAS oncogene family	Cytoplasm	enzyme
-3.789	203870_at	USP46	ubiquitin specific peptidase 46	Unknown	peptidase
-3.778	228653_at	SAMD5	sterile alpha motif domain containing 5	Unknown	other
-3.776	204724_s_at	COL9A3	collagen, type IX, alpha 3	Extracellular Space	other G-protein coupled receptor
-3.775	204642_at	S1PR1	sphingosine-1-phosphate receptor 1	Plasma Membrane	receptor
-3.760	227647_at	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	Plasma Membrane	ion channel
-3.759	201566_x_at	ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	Nucleus	transcription regulator
-3.758	230109_at	PDE7B	phosphodiesterase 7B	Cytoplasm	enzyme
-3.749	205463_s_at	PDGFA	platelet-derived growth factor alpha polypeptide	Extracellular	growth factor

-3.724	204589_at	NUAK1	NUAK family, SNF1-like kinase, 1 calcium and integrin binding 1 (calmyrin)	Space Unknown	kinase
-3.718	201953_at	CIB1		Nucleus	other transcription regulator
-3.717	203408_s_at	SATB1	SATB homeobox 1	Nucleus	regulator
-3.711	210987_x_at	TPM1	tropomyosin 1 (alpha)	Cytoplasm	other
-3.701	214703_s_at	MAN2B2 (includes EG:23324)	mannosidase, alpha, class 2B, member 2	Cytoplasm	enzyme
-3.700	226326_at	PCGF5	polycomb group ring finger 5 thiosulfate sulfurtransferase (rhodanese)	Unknown	other
-3.699	209605_at	TST	N-acylsphingosine amidohydrolase (acid ceramidase) 1	Cytoplasm	enzyme
-3.690	210980_s_at	ASAH1	NLR family, CARD domain containing 5	Unknown	other
-3.663	226474_at	NLRC5 (includes EG:84166)		Unknown	enzyme
-3.658	204154_at	CDO1	cysteine dioxygenase, type I	Cytoplasm	enzyme
-3.650	212713_at	MFAP4	microfibrillar-associated protein 4	Extracellular Space	other
-3.637	228520_s_at	APLP2	amyloid beta (A4) precursor-like protein 2	Extracellular Space	other
-3.628	201468_s_at	NQO1	NAD(P)H dehydrogenase, quinone 1	Cytoplasm	enzyme
-3.624	207871_s_at	ST7	suppression of tumorigenicity 7 protein kinase, cGMP-dependent, type I	Unknown	other
-3.604	228396_at	PRKG1		Cytoplasm	kinase
-3.585	210314_x_at	TNFSF13	tumor necrosis factor (ligand) superfamily, member 13	Extracellular Space	cytokine
-3.580	205756_s_at	F8	coagulation factor VIII, procoagulant component	Extracellular Space	other
-3.577	230083_at	USP53	ubiquitin specific peptidase 53	Unknown	enzyme
-3.576	203662_s_at	TMOD1	tropomodulin 1	Cytoplasm	enzyme
-3.567	222129_at	FAM134A	family with sequence similarity 134, member A	Unknown	other
-3.560	218717_s_at	LEPREL1	leprecan-like 1	Unknown	enzyme
-3.559	219073_s_at	OSBPL10	oxysterol binding protein-like 10 phosphoprotein associated with glycosphingolipid microdomains 1	Unknown Plasma	other
-3.559	227354_at	PAG1	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Membrane Plasma	other
-3.553	209993_at	ABCB1	succinate-CoA ligase, GDP-forming, beta subunit	Membrane	transporter
-3.529	214835_s_at	SUCLG2		Cytoplasm	enzyme
-3.514	203068_at	KLHL21	kelch-like 21 (Drosophila)	Unknown	other
-3.492	213110_s_at	COL4A5	collagen, type IV, alpha 5	Extracellular Space	other
-3.479	232008_s_at	BBX	bobby sox homolog (Drosophila)	Nucleus	other
-3.471	207808_s_at	PROS1	protein S (alpha)	Extracellular Space	other
-3.459	212586_at	CAST	calpastatin	Cytoplasm	peptidase
-3.432	225162_at	SH3D19	SH3 domain containing 19	Membrane	other
-3.429	202187_s_at	PPP2R5A	protein phosphatase 2, regulatory subunit B', alpha isoform	Cytoplasm	phosphatase
-3.425	217751_at	GSTK1	glutathione S-transferase kappa 1 ST6 (alpha-N-acetyl-neuraminyl- 2,3-beta-galactosyl-1,3)-N- acetylgalactosaminide alpha-2,6-	Cytoplasm	enzyme
-3.395	235334_at	ST6GALNAC3		Cytoplasm	enzyme

-3.394	209357_at	CITED2	sialyltransferase 3	Nucleus	transcription
-3.391	209283_at	CRYAB	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	Nucleus	regulator
-3.388	212845_at	SAMD4A	crystallin, alpha B	Cytoplasm	other
-3.361	225511_at	GPRC5B	sterile alpha motif domain containing 4A	Plasma Membrane	translation
-3.356	224893_at	ATL3	G protein-coupled receptor, family C, group 5, member B	Unknown	regulator
-3.353	238058_at	LOC400931	atlastin GTPase 3	Unknown	G-protein coupled
-3.353	235074_at	SPRED1	hypothetical LOC400931	Plasma Membrane	receptor
-3.320	226213_at	ERBB3	sprouty-related, EVH1 domain containing 1	Plasma Membrane	other
-3.319	202565_s_at	SVIL	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Plasma Membrane	kinase
-3.317	201471_s_at	SQSTM1	supervillin	Cytoplasm	other
-3.308	209129_at	TRIP6	sequestosome 1	Extracellular Space	transcription
-3.297	203329_at	PTPRM	thyroid hormone receptor interactor 6	Plasma Membrane	regulator
-3.295	221766_s_at	FAM46A	protein tyrosine phosphatase, receptor type, M	Unknown	cytokine
-3.289	65718_at	GPR124	family with sequence similarity 46, member A	Plasma Membrane	phosphatase
-3.288	225671_at	SPNS2 (includes EG:124976)	G protein-coupled receptor 124	Unknown	other
-3.287	212458_at	SPRED2	spinster homolog 2 (Drosophila)	Extracellular Space	G-protein coupled
-3.285	201778_s_at	KIAA0494	sprouty-related, EVH1 domain containing 2	Unknown	receptor
-3.252	201855_s_at	ATMIN	KIAA0494	Nucleus	other
-3.252	231380_at	C8ORF34	ATM interactor	Unknown	other
-3.252	205794_s_at	NOVA1	chromosome 8 open reading frame 34	Nucleus	other
-3.252	207414_s_at	PCSK6	neuro-oncological ventral antigen 1	Extracellular Space	peptidase
-3.244	227326_at	MXRA7	proprotein convertase subtilisin/kexin type 6	Unknown	other
-3.241	224870_at	KIAA0114	matrix-remodelling associated 7	Unknown	other
-3.236	212122_at	RHOQ	KIAA0114	Plasma Membrane	enzyme
-3.231	201161_s_at	CSDA	ras homolog gene family, member Q	Nucleus	transcription
-3.228	212730_at	SYNM	cold shock domain protein A	Cytoplasm	regulator
-3.216	203932_at	HLA-DMB	synemin, intermediate filament protein	Plasma Membrane	other
-3.200	235225_at	SCN2B	major histocompatibility complex, class II, DM beta	Plasma Membrane	transmembrane
-3.192	221029_s_at	WNT5B	sodium channel, voltage-gated, type II, beta	Extracellular Space	receptor
-3.189	201124_at	ITGB5	wingless-type MMTV integration site family, member 5B	Plasma Membrane	ion channel
-3.183	52940_at	SIGIRR	integrin, beta 5	Plasma Membrane	other
			single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	Plasma Membrane	transmembrane

					receptor
-3.178	218559_s_at	MAFB	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	Nucleus	other
-3.175	204682_at	LTBP2	latent transforming growth factor beta binding protein 2	Extracellular Space	other
-3.139	211373_s_at	PSEN2	presenilin 2 (Alzheimer disease 4) chromosome 10 open reading frame 26	Cytoplasm	peptidase
-3.132	202808_at	C10ORF26		Unknown	other transcription
-3.130	207700_s_at	NCOA3	nuclear receptor coactivator 3 chromosome 5 open reading frame 56	Nucleus	regulator
-3.126	230405_at	C5ORF56		Unknown	other
-3.095	212510_at	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	Unknown	enzyme
-3.092	210299_s_at	FHL1	four and a half LIM domains 1 acyl-CoA synthetase short-chain family member 3	Cytoplasm	other
-3.091	229222_at	ACSS3		Unknown	enzyme
-3.090	203837_at	MAP3K5 (includes EG:4217)	mitogen-activated protein kinase kinase 5	Cytoplasm	kinase
-3.087	223422_s_at	ARHGAP24	Rho GTPase activating protein 24 two transmembrane domain family member A	Cytoplasm	other
-3.085	229523_at	TTMA		Unknown	other
-3.074	224871_at	TPRG1L	tumor protein p63 regulated 1-like glutathione S-transferase mu 3 (brain)	Unknown	other
-3.070	235867_at	GSTM3 (includes EG:2947)		Cytoplasm	enzyme
-3.066	209384_at	PROSC	proline synthetase co-transcribed homolog (bacterial)	Cytoplasm	enzyme
-3.065	220532_s_at	TMEM176B	transmembrane protein 176B	Unknown	other
-3.064	206392_s_at	RARRES1	retinoic acid receptor responder (tazarotene induced) 1	Plasma	other
-3.062	205139_s_at	UST	uronyl-2-sulfotransferase	Membrane	enzyme
-3.059	218345_at	TMEM176A	transmembrane protein 176A	Cytoplasm	other
-3.056	202201_at	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	Unknown	other
-3.044	225636_at	STAT2	signal transducer and activator of transcription 2, 113kDa	Cytoplasm	enzyme transcription
-3.037	211600_at	PTPRO	protein tyrosine phosphatase, receptor type, O	Nucleus	regulator
-3.034	208405_s_at	CD164	CD164 molecule, sialomucin	Plasma	phosphatas
-3.032	225354_s_at	SH3BGRL2	SH3 domain binding glutamic acid-rich protein like 2	Membrane	other
-3.031	232382_s_at	PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	Plasma	other
-3.007	212185_x_at	MT2A	metallothionein 2A	Cytoplasm	enzyme
-3.006	216210_x_at	TRIOBP	TRIO and F-actin binding protein	Nucleus	other
-3.004	211984_at	CALM3	calmodulin 3 (phosphorylase kinase, delta)	Plasma	other
-3.000	235471_at	C10ORF72	chromosome 10 open reading frame 72	Membrane	other
-2.996	210715_s_at	SPINT2	serine peptidase inhibitor, Kunitz type, 2	Unknown	other
-2.995	226408_at	TEAD2	TEA domain family member 2 butyrophilin, subfamily 3, member A2	Extracellular Space	other transcription
-2.991	212613_at	BTN3A2		Nucleus	regulator
-2.986	206461_x_at	MT1H	metallothionein 1H	Unknown	other
-2.986	214177_s_at	PBXIP1	pre-B-cell leukemia homeobox interacting protein 1	Cytoplasm	other transcription
				Nucleus	regulator

-2.978	206215_at	OPCML	opioid binding protein/cell adhesion molecule-like	Plasma Membrane	transmembr
-2.970	203636_at	MID1	midline 1 (Opitz/BBB syndrome) Alport syndrome, mental retardation, midface hypoplasia and elliptocytosis chromosomal region	Nucleus	receptor other
-2.964	204976_s_at	AMMECR1	gene 1	Unknown	other
-2.964	204308_s_at	TECPR2	tectonin beta-propeller repeat containing 2	Unknown	other
-2.964	226899_at	UNC5B	unc-5 homolog B (C. elegans)	Plasma Membrane	transmembr
-2.950	1564139_at	LOC144571	hypothetical protein LOC144571	Unknown	receptor other
-2.948	219427_at	FAT4	FAT tumor suppressor homolog 4 (Drosophila)	Unknown	other
-2.941	214085_x_at	GLIPR1	GLI pathogenesis-related 1 tight junction protein 1 (zona occludens 1)	Extracellular Space	other
-2.940	202011_at	TJP1		Plasma Membrane	other
-2.935	226638_at	ARHGAP23	Rho GTPase activating protein 23	Unknown	other
-2.933	222171_s_at	PKNOX2	PBX/knotted 1 homeobox 2	Nucleus	other transcription
-2.929	227376_at	GLI3	GLI family zinc finger 3	Nucleus	regulator
-2.926	200629_at	WARS	tryptophanyl-tRNA synthetase	Cytoplasm	enzyme
-2.917	213236_at	SASH1	SAM and SH3 domain containing 1 leucine-rich repeats and calponin	Unknown	other
-2.914	235347_at	LRCH3	homology (CH) domain containing 3 SH3 domain binding glutamic acid-rich protein like	Unknown	other
-2.909	201311_s_at	SH3BGR1	solute carrier family 12 (potassium/chloride transporters), member 7	Unknown	other
-2.905	218066_at	SLC12A7		Plasma Membrane	transporter
-2.891	201752_s_at	ADD3	adducin 3 (gamma)	Cytoplasm	other
-2.860	227190_at	TMEM37	transmembrane protein 37	Plasma Membrane	ion channel
-2.858	225867_at	VASN	vasorin	Membrane	other
-2.838	236600_at	SPG20	spastic paraplegia 20 (Troyer syndrome)	Cytoplasm	other transcription
-2.835	203349_s_at	ETV5	ets variant 5	Nucleus	regulator
-2.834	1553551_s_at	ND2	NADH dehydrogenase, subunit 2 (complex I)	Cytoplasm	enzyme
-2.830	228461_at	SH3RF3	SH3 domain containing ring finger 3	Unknown	other
-2.824	215051_x_at	AIF1	allograft inflammatory factor 1	Nucleus	other
-2.824	201361_at	TMEM109	transmembrane protein 109	Cytoplasm	other
-2.814	203865_s_at	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat) cerebellar degeneration-related	Nucleus	enzyme
-2.806	209501_at	CDR2	protein 2, 62kDa	Cytoplasm	other
-2.802	225032_at	FNDC3B	fibronectin type III domain containing 3B	Unknown	other
-2.799	203910_at	ARHGAP29	Rho GTPase activating protein 29	Cytoplasm	other
-2.784	212946_at	KIAA0564	KIAA0564	Unknown	other
-2.775	220595_at	PDZRN4	PDZ domain containing ring finger 4	Unknown	other
-2.749	226632_at	CYGB	cytoglobin	Cytoplasm	transporter
-2.746	225806_at	JUB	jub, ajuba homolog (Xenopus laevis)	Plasma Membrane	other
-2.745	225957_at	C5ORF41	chromosome 5 open reading frame 41	Unknown	other
-2.728	225147_at	CYTH3	cytohesin 3	Cytoplasm	other

-2.719	226039_at	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	Unknown	enzyme
-2.703	224984_at	NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive	Nucleus Plasma	transcription regulator
-2.694	205328_at	CLDN10	claudin 10	Membrane	other
-2.691	224812_at	HIBADH	3-hydroxyisobutyrate dehydrogenase	Cytoplasm	enzyme
-2.686	224688_at	C7ORF42	chromosome 7 open reading frame 42	Unknown	other
-2.685	202032_s_at	MAN2A2	mannosidase, alpha, class 2A, member 2	Cytoplasm	enzyme
-2.679	208190_s_at	LSR	lipolysis stimulated lipoprotein receptor	Nucleus	transcription regulator
-2.663	225558_at	GIT2	G protein-coupled receptor kinase interacting ArfGAP 2	Nucleus	other
-2.651	213083_at	SLC35D2	solute carrier family 35, member D2	Unknown	transporter G-protein
-2.645	209906_at	C3AR1	complement component 3a receptor 1	Plasma Membrane	coupled receptor
-2.642	218910_at	ANO10	anoctamin 10	Unknown	other
-2.638	218902_at	NOTCH1	Notch homolog 1, translocation-associated (Drosophila)	Plasma Membrane	transcription regulator
-2.628	204084_s_at	CLN5	ceroid-lipofuscinosis, neuronal 5	Cytoplasm	other
-2.626	223028_s_at	SNX9 (includes EG:51429)	sorting nexin 9	Cytoplasm	transporter
-2.624	213618_at	ARAP2	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Cytoplasm	other
-2.616	228831_s_at	GNG7	guanine nucleotide binding protein (G protein), gamma 7	Plasma Membrane	enzyme
-2.611	229287_at	PCNX	pecanex homolog (Drosophila)	Membrane	other
-2.607	210896_s_at	ASPH	aspartate beta-hydroxylase	Cytoplasm	enzyme
-2.590	229125_at	KANK4	KN motif and ankyrin repeat domains 4	Unknown	other
-2.585	212334_at	GNS	glucosamine (N-acetyl)-6-sulfatase	Cytoplasm	enzyme
-2.581	217984_at	RNASET2	ribonuclease T2	Extracellular Space	enzyme
-2.568	221221_s_at	KLHL3	kelch-like 3 (Drosophila)	Unknown	other
-2.568	219167_at	RASL12	RAS-like, family 12	Unknown	enzyme
-2.547	203879_at	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	Cytoplasm	kinase transcription regulator
-2.547	225076_s_at	ZNFX1	zinc finger, NFX1-type containing 1	Nucleus	regulator
-2.545	201206_s_at	RRBP1	ribosome binding protein 1 homolog 180kDa (dog)	Cytoplasm	transporter
-2.526	202357_s_at	C2	complement component 2	Extracellular Space	peptidase
-2.521	217165_x_at	MT1F	metallothionein 1F	Cytoplasm	other
-2.518	232305_at	HMGCLL1	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase-like 1	Unknown	enzyme
-2.515	211456_x_at	MT1P2	metallothionein 1 pseudogene 2	Unknown	other
-2.513	219561_at	COPZ2 (includes EG:51226)	coatamer protein complex, subunit zeta 2	Cytoplasm	transporter
-2.512	211685_s_at	NCALD	neurocalcin delta	Cytoplasm	other
-2.511	213295_at	CYLD	cylindromatosis (turban tumor syndrome)	Nucleus	transcription regulator
-2.502	1555653_at	HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	Nucleus	other

-2.501	209354_at	TNFRSF14	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)	Plasma Membrane	transmembrane receptor
-2.483	226895_at	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)	Nucleus	transcription regulator
-2.467	206805_at	SEMA3A	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A	Extracellular Space	other
-2.451	209717_at	EVI5	ecotropic viral integration site 5 chromosome 16 open reading frame 52	Unknown	other
-2.449	230296_at	C16ORF52	52	Unknown	other
-2.449	209623_at	MCCC2	methycrotonoyl-Coenzyme A carboxylase 2 (beta)	Cytoplasm	enzyme
-2.439	208384_s_at	MID2	midline 2	Cytoplasm	other
-2.436	225286_at	ARSD	arylsulfatase D	Cytoplasm	enzyme
-2.430	227401_at	IL17D	interleukin 17D	Extracellular Space	other
-2.428	201885_s_at	CYB5R3	cytochrome b5 reductase 3	Cytoplasm	enzyme
-2.428	226101_at	PRKCE	protein kinase C, epsilon	Cytoplasm	kinase
-2.403	228121_at	TGFB2	transforming growth factor, beta 2	Extracellular Space	growth factor
-2.402	219308_s_at	AK5	adenylate kinase 5	Cytoplasm	kinase
-2.402	230925_at	APBB1IP	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	Cytoplasm	other
-2.396	213392_at	IQCK	IQ motif containing K	Unknown	other
-2.396	226438_at	SNTB1	syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1)	Plasma Membrane	other
-2.394	219714_s_at	CACNA2D3	calcium channel, voltage-dependent, alpha 2/delta subunit 3	Plasma Membrane	ion channel
-2.360	226137_at	ZFH3	zinc finger homeobox 3	Nucleus	transcription regulator
-2.358	226683_at	SNX18	sorting nexin 18	Cytoplasm	transporter
-2.358	223132_s_at	TRIM8	tripartite motif-containing 8	Nucleus	other
-2.356	226207_at	RILPL1	Rab interacting lysosomal protein-like 1	Unknown	other
-2.347	209860_s_at	ANXA7	annexin A7	Plasma Membrane	ion channel
-2.341	213364_s_at	SNX1	sorting nexin 1	Cytoplasm	transporter
-2.332	212071_s_at	SPTBN1	spectrin, beta, non-erythrocytic 1	Plasma Membrane	other
-2.318	213275_x_at	CTSB	cathepsin B	Cytoplasm	peptidase
-2.312	212400_at	FAM102A	family with sequence similarity 102, member A	Unknown	other
-2.310	203596_s_at	IFIT5	interferon-induced protein with tetratricopeptide repeats 5	Unknown	other
-2.307	202908_at	WFS1	Wolfram syndrome 1 (wolframin)	Cytoplasm	enzyme
-2.306	200602_at	APP	amyloid beta (A4) precursor protein	Plasma Membrane	other
-2.304	226145_s_at	FRAS1	Fraser syndrome 1	Extracellular Space	other
-2.303	203817_at	GUCY1B3	guanylate cyclase 1, soluble, beta 3	Cytoplasm	enzyme
-2.302	212970_at	APBB2	amyloid beta (A4) precursor protein-binding, family B, member 2	Cytoplasm	other
-2.294	214486_x_at	CFLAR	CASP8 and FADD-like apoptosis regulator	Cytoplasm	other
-2.289	225159_s_at	MED28	mediator complex subunit 28	Nucleus	other

-2.282	203006_at	INPP5A	inositol polyphosphate-5-phosphatase, 40kDa	Plasma Membrane	phosphatase
-2.279	228834_at	TOB1	transducer of ERBB2, 1 chromosome 8 open reading frame	Nucleus	transcription regulator
-2.272	230903_s_at	C8ORF42	42	Unknown	other
-2.258	214179_s_at	NFE2L1	nuclear factor (erythroid-derived 2)-like 1	Nucleus	transcription regulator
-2.258	227400_at	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	Nucleus	transcription regulator
-2.257	230435_at	LOC375190	hypothetical protein LOC375190	Unknown	other
-2.250	227266_s_at	FYB	FYN binding protein (FYB-120/130)	Nucleus	other
-2.237	202047_s_at	CBX6	chromobox homolog 6	Nucleus	other
-2.236	228345_at	CHIC1	cysteine-rich hydrophobic domain 1	Plasma Membrane	other
-2.236	225033_at	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	Cytoplasm	enzyme
-2.235	205225_at	ESR1	estrogen receptor 1	Nucleus	ligand-dependent nuclear receptor
-2.231	226016_at	CD47	CD47 molecule	Plasma Membrane	other
-2.229	235198_at	OSTM1	osteopetrosis associated transmembrane protein 1	Plasma Membrane	other
-2.220	223824_at	RNLS	renalase, FAD-dependent amine oxidase	Extracellular Space	other
-2.213	226280_at	BNIP2	BCL2/adenovirus E1B 19kDa interacting protein 2	Cytoplasm	other
-2.210	219593_at	SLC15A3	solute carrier family 15, member 3	Unknown	transporter
-2.209	218631_at	AVPI1	arginine vasopressin-induced 1	Unknown	other
-2.205	225363_at	PTEN	phosphatase and tensin homolog	Cytoplasm	phosphatase
-2.202	201007_at	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	Cytoplasm	enzyme
-2.198	218377_s_at	RWDD2B	RWD domain containing 2B	Unknown	other
-2.196	227178_at	CUGBP2	CUG triplet repeat, RNA binding protein 2	Nucleus	other

-2.195	227163_at	GSTO2	glutathione S-transferase omega 2	Unknown	enzyme
-2.185	212195_at	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	Plasma Membrane	transmembr receptor
-2.180	217388_s_at	KYNU	kynureninase (L-kynurenine hydrolase)	Cytoplasm	enzyme
-2.175	219054_at	C5ORF23	chromosome 5 open reading frame 23	Unknown	other
-2.175	207966_s_at	GLG1	golgi apparatus protein 1	Cytoplasm	other G-protein
-2.174	205098_at	CCR1	chemokine (C-C motif) receptor 1	Plasma Membrane	coupled receptor
-2.166	213736_at	COX5B	cytochrome c oxidase subunit Vb	Cytoplasm	enzyme
-2.165	214665_s_at	CHP	calcium binding protein P22	Cytoplasm	transporter
-2.165	226863_at	FAM110C	family with sequence similarity 110, member C	Unknown	other
-2.164	229511_at	SMARCE1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	Nucleus	transcriptio regulator
-2.162	208873_s_at	REEP5	receptor accessory protein 5	Extracellular Space	transporter
-2.158	202117_at	ARHGAP1	Rho GTPase activating protein 1	Cytoplasm	other
-2.156	204745_x_at	MT1G	metallothionein 1G	Cytoplasm	other transcriptio
-2.155	215111_s_at	TSC22D1	TSC22 domain family, member 1	Nucleus	regulator
-2.150	213925_at	C1ORF95	chromosome 1 open reading frame 95	Unknown	other
-2.150	220146_at	TLR7	toll-like receptor 7	Plasma Membrane	transmembr receptor
-2.141	211535_s_at	FGFR1	fibroblast growth factor receptor 1	Plasma Membrane	kinase
-2.138	225259_at	RAB6B	RAB6B, member RAS oncogene family	Cytoplasm	enzyme
-2.134	225629_s_at	ZBTB4	zinc finger and BTB domain containing 4	Nucleus	other
-2.127	243209_at	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	Plasma Membrane	ion channe
-2.121	225778_at	RBMS2	RNA binding motif, single stranded interacting protein 2	Nucleus	other
-2.115	207067_s_at	HDC	histidine decarboxylase	Cytoplasm	enzyme
-2.112	209716_at	CSF1	colony stimulating factor 1 (macrophage)	Extracellular Space	cytokine
-2.112	201959_s_at	MYCBP2	MYC binding protein 2	Nucleus	enzyme
-2.103	219471_at	C13ORF18	chromosome 13 open reading frame 18	Unknown	other
-2.103	203187_at	DOCK1	dedicator of cytokinesis 1	Cytoplasm	other
-2.099	217869_at	HSD17B12	hydroxysteroid (17-beta) dehydrogenase 12	Cytoplasm	enzyme
-2.099	213545_x_at	SNX3	sorting nexin 3	Cytoplasm	transporter
-2.097	212124_at	ZMIZ1	zinc finger, MIZ-type containing 1	Nucleus	other G-protein
-2.096	235591_at	SSTR1	somatostatin receptor 1	Plasma Membrane	coupled receptor
-2.094	226692_at	SERF2	small EDRK-rich factor 2	Unknown	other
-2.094	203010_at	STAT5A	signal transducer and activator of transcription 5A	Nucleus	transcriptio regulator
-2.084	219622_at	RAB20	RAB20, member RAS oncogene family	Cytoplasm	enzyme
-2.082	219895_at	FAM70A	family with sequence similarity 70, member A	Unknown	other

-2.081	203633_at	CPT1A	carnitine palmitoyltransferase 1A (liver)	Cytoplasm	enzyme
-2.080	200748_s_at	FTH1	ferritin, heavy polypeptide 1	Cytoplasm	enzyme
-2.065	200794_x_at	DAZAP2 (includes EG:9802)	DAZ associated protein 2	Nucleus	other
-2.057	224921_at	SCAMP2	secretory carrier membrane protein 2	Cytoplasm	transporter
-2.053	228713_s_at	HSD17B14	hydroxysteroid (17-beta) dehydrogenase 14	Unknown	enzyme
-2.053	225214_at	PSMB7	proteasome (prosome, macropain) subunit, beta type, 7	Cytoplasm	peptidase
-2.053	236248_x_at	TADA2B	transcriptional adaptor 2 (ADA2 homolog, yeast)-beta	Nucleus	other
-2.046	204257_at	FADS3	fatty acid desaturase 3	Plasma	enzyme
-2.042	227791_at	SLC9A9 (includes EG:285195)	solute carrier family 9 (sodium/hydrogen exchanger), member 9	Membrane	enzyme
-2.037	220471_s_at	MYCT1	myc target 1	Cytoplasm	other
-2.030	202972_s_at	FAM13A	family with sequence similarity 13, member A	Nucleus	other
-2.024	213847_at	PRPH	peripherin	Plasma	other
-2.020	210044_s_at	LYL1	lymphoblastic leukemia derived sequence 1	Membrane	other
-2.018	213501_at	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	Nucleus	other
-2.016	48106_at	SLC48A1	solute carrier family 48 (heme transporter), member 1	Cytoplasm	enzyme
-2.015	205859_at	LY86	lymphocyte antigen 86	Unknown	other
-2.015	206271_at	TLR3	toll-like receptor 3	Plasma	transmembr
-2.014	223892_s_at	TMBIM4	transmembrane BAX inhibitor motif containing 4	Membrane	receptor
-2.010	202100_at	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	Nucleus	other
-2.010	227176_at	SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13	Cytoplasm	enzyme
-2.005	215499_at	MAP2K3	mitogen-activated protein kinase kinase 3	Plasma	transporter
-1.997	229573_at	USP9X	ubiquitin specific peptidase 9, X-linked	Cytoplasm	kinase
-1.992	219013_at	GALNT11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 11 (GalNAc-T11)	Plasma	peptidase
-1.989	212326_at	VPS13D	vacuolar protein sorting 13 homolog D (S. cerevisiae)	Membrane	enzyme
-1.984	1557123_a_at	CHADL	chondroadherin-like	Unknown	other
-1.983	212695_at	CRY2	cryptochrome 2 (photolyase-like)	Nucleus	enzyme
-1.982	1553961_s_at	SNX21	sorting nexin family member 21	Unknown	transporter
-1.980	200765_x_at	CTNNA1	catenin (cadherin-associated protein), alpha 1, 102kDa	Plasma	other
-1.980	204735_at	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Membrane	other
-1.979	219136_s_at	LMF1	lipase maturation factor 1	Cytoplasm	enzyme
-1.975	218429_s_at	C19ORF66	chromosome 19 open reading frame	Unknown	other

			66		
			FYVE and coiled-coil domain		
-1.967	218204_s_at	FYCO1	containing 1	Unknown	other
-1.965	226292_at	CAPN5	calpain 5	Cytoplasm	peptidase
-1.964	216250_s_at	LPXN	leupaxin	Cytoplasm	other transcription
-1.962	231015_at	KLF15	Kruppel-like factor 15	Nucleus	regulator
-1.961	204032_at	BCAR3	breast cancer anti-estrogen	Cytoplasm	other
-1.955	238432_at	FLJ35776	resistance 3	Unknown	other
-1.950	226030_at	ACADSB	hypothetical LOC649446 acyl-Coenzyme A dehydrogenase, short/branched chain	Cytoplasm	enzyme
-1.941	212842_x_at	RGPD5	RANBP2-like and GRIP domain	Nucleus	other
-1.940	218637_at	IMPACT	containing 5 Impact homolog (mouse)	Unknown	other
-1.928	1552790_a_at	SEC62	SEC62 homolog (S. cerevisiae)	Cytoplasm	transporter
-1.919	226879_at	HVCN1	hydrogen voltage-gated channel 1	Unknown	ion channel
-1.918	222469_s_at	TOLLIP	toll interacting protein	Cytoplasm	other
-1.912	217830_s_at	NSFL1C	NSFL1 (p97) cofactor (p47)	Cytoplasm	other
-1.911	209379_s_at	KIAA1128	KIAA1128	Unknown	other
-1.908	224755_at	TM9SF3	transmembrane 9 superfamily member 3	Cytoplasm	transporter
-1.907	217775_s_at	RDH11	retinol dehydrogenase 11 (all- trans/9-cis/11-cis)	Cytoplasm	enzyme G-protein coupled receptor
-1.901	227970_at	GPR157	G protein-coupled receptor 157	Plasma Membrane	receptor
-1.898	201605_x_at	CNN2	calponin 2	Cytoplasm	other
-1.898	219892_at	TM6SF1	transmembrane 6 superfamily member 1	Plasma Membrane	other
-1.897	212552_at	HPCAL1	hippocalcin-like 1	Cytoplasm	other
-1.897	228993_s_at	NCRNA00081	non-protein coding RNA 81	Unknown	other transcription
-1.897	218502_s_at	TRPS1	trichorhinophalangeal syndrome I	Nucleus	regulator
-1.890	231823_s_at	SH3PXD2B	SH3 and PX domains 2B	Unknown	other
-1.881	212895_s_at	ABR	active BCR-related gene	Unknown	other
-1.871	229405_at	KIF7	kinesin family member 7	Unknown	other transcription
-1.868	213417_at	TBX2	T-box 2	Nucleus	regulator
-1.859	209545_s_at	RIPK2	receptor-interacting serine-threonine kinase 2	Plasma Membrane	kinase
-1.859	225243_s_at	SLMAP	sarcolemma associated protein	Plasma Membrane	other
-1.848	213070_at	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	Cytoplasm	kinase
-1.844	214257_s_at	SEC22B	SEC22 vesicle trafficking protein homolog B (S. cerevisiae)	Cytoplasm Plasma	other
-1.841	225562_at	RASA3	RAS p21 protein activator 3	Membrane	other
-1.838	223276_at	MST150	MSTP150	Unknown	ion channel
-1.832	202538_s_at	CHMP2B	chromatin modifying protein 2B	Cytoplasm	other
-1.824	225177_at	RAB11FIP1	RAB11 family interacting protein 1 (class I)	Cytoplasm	other
-1.822	226058_at	B3GNT9	UDP-GlcNAc:betaGal beta-1,3-N- acetylglucosaminyltransferase 9	Unknown	enzyme
-1.818	212331_at	RBL2	retinoblastoma-like 2 (p130)	Nucleus	other
-1.815	216836_s_at	ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived	Plasma Membrane	kinase
-1.813	227438_at	ALPK1	oncogene homolog (avian) alpha-kinase 1	Unknown	kinase

-1.806	227138_at	CRTAP	cartilage associated protein solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	Extracellular Space	other
-1.806	205243_at	SLC13A3	OAF homolog (Drosophila)	Plasma Membrane	transporter
-1.796	225510_at	OAF	Williams-Beuren syndrome chromosome region 17 programmed cell death 4 (neoplastic transformation inhibitor)	Unknown	other
-1.796	227434_at	WBSCR17		Cytoplasm	enzyme
-1.794	212593_s_at	PDCD4		Nucleus	other
-1.790	233520_s_at	CMYA5 (includes EG:202333)	cardiomyopathy associated 5	Plasma Membrane	other
-1.790	222495_at	TMEM167B	transmembrane protein 167B	Unknown	other
-1.786	229942_at	BNC2	basonuclin 2	Nucleus	other transcription regulator
-1.775	228968_at	ZNF449	zinc finger protein 449	Nucleus	regulator
-1.772	240430_at	KCMF1	potassium channel modulatory factor 1	Unknown	enzyme
-1.762	204769_s_at	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Cytoplasm	transporter
-1.759	213480_at	VAMP4	vesicle-associated membrane protein 4	Cytoplasm	other
-1.758	204487_s_at	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	Plasma Membrane	ion channel
-1.751	239288_at	TNIK	TRAF2 and NCK interacting kinase	Cytoplasm	kinase transcription regulator
-1.750	228656_at	PROX1	prospero homeobox 1	Nucleus	regulator
-1.750	218088_s_at	RRAGC	Ras-related GTP binding C	Cytoplasm	enzyme
-1.749	224373_s_at	HNRNPM	heterogeneous nuclear ribonucleoprotein M	Plasma Membrane	transmembrane receptor
-1.746	219044_at	THNSL2	threonine synthase-like 2 (S. cerevisiae)	Unknown	other
-1.739	238034_at	CANX	calnexin	Cytoplasm	other
-1.735	219545_at	KCTD14	potassium channel tetramerisation domain containing 14	Unknown	ion channel
-1.729	204174_at	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	Plasma Membrane	other
-1.723	201553_s_at	LAMP1	lysosomal-associated membrane protein 1	Plasma Membrane	other transcription regulator
-1.714	229796_at	SIX4	SIX homeobox 4	Nucleus	regulator
-1.713	203072_at	MYO1E	myosin IE	Cytoplasm	enzyme
-1.711	223738_s_at	PGM2	phosphoglucomutase 2	Cytoplasm	enzyme
-1.708	227182_at	SUSD3	sushi domain containing 3	Unknown	other
-1.705	200785_s_at	LRP1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Plasma Membrane	transmembrane receptor
-1.701	226508_at	PHC3	polyhomeotic homolog 3 (Drosophila)	Nucleus	other
-1.695	224845_s_at	SLAIN2	SLAIN motif family, member 2	Unknown	other
-1.684	201658_at	ARL1	ADP-ribosylation factor-like 1	Cytoplasm	enzyme
-1.684	228568_at	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	Nucleus	other transcription regulator
-1.681	225544_at	TBX3	T-box 3	Nucleus	regulator
-1.675	206191_at	ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3	Plasma Membrane	enzyme
-1.663	229714_at	HS6ST3 (includes EG:266722)	heparan sulfate 6-O-sulfotransferase 3	Unknown	enzyme
-1.663	218765_at	SIDT2	SID1 transmembrane family, member 2	Unknown	other

-1.659	204981_at	SLC22A18	solute carrier family 22, member 18	Plasma Membrane	transporter
-1.652	221274_s_at	LMAN2L	lectin, mannose-binding 2-like	Cytoplasm	other transcription regulator
-1.650	224372_at	IQWD1	IQ motif and WD repeats 1 family with sequence similarity 83, member H	Nucleus	transcription regulator
-1.646	226129_at	FAM83H	chromosome 15 open reading frame 52	Unknown	other
-1.645	227272_at	C15ORF52	thyroid hormone receptor interactor 11	Unknown	other transcription regulator
-1.640	236160_at	TRIP11	fibroblast growth factor receptor substrate 2	Cytoplasm Plasma Membrane	regulator other
-1.631	226045_at	FRS2			
-1.624	204990_s_at	ITGB4	integrin, beta 4 integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	Plasma Membrane	transmembrane receptor other
-1.617	213475_s_at	ITGAL			
-1.610	238523_at	KLHL36	kelch-like 36 (Drosophila)	Cytoplasm	other
-1.609	205164_at	GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)	Cytoplasm	enzyme
-1.607	242372_s_at	MFSD4	major facilitator superfamily domain containing 4	Unknown	other
-1.600	1553588_at	SH3KBP1	SH3-domain kinase binding protein 1	Cytoplasm	other
-1.583	212754_s_at	MON2	MON2 homolog (S. cerevisiae)	Unknown	other
-1.582	225069_at	PCYT1A	phosphate cytidylyltransferase 1, choline, alpha	Cytoplasm	enzyme
-1.580	222565_s_at	PRKD3	protein kinase D3	Unknown	kinase
-1.574	239461_at	GALNTL2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2	Cytoplasm	enzyme
-1.574	218704_at	RNF43	ring finger protein 43	Unknown	other transcription regulator
-1.565	202191_s_at	GAS7	growth arrest-specific 7	Cytoplasm	regulator
-1.565	204568_at	KIAA0831	KIAA0831 nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Unknown	other transcription regulator
-1.563	214062_x_at	NFKBIB	chromosome 16 open reading frame 84	Nucleus	transcription regulator
-1.556	1561502_x_at	C16ORF84		Unknown	other
-1.554	219379_x_at	ZNF358	zinc finger protein 358	Nucleus	other
-1.551	225134_at	SPRYD3	SPRY domain containing 3	Unknown	other
-1.550	211429_s_at	SERPINA1	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	Extracellular Space	other
-1.549	228549_at	TMEM63A	transmembrane protein 63A	Unknown	other
-1.545	212245_at	MCFD2	multiple coagulation factor deficiency 2	Cytoplasm Plasma Membrane	other
-1.545	1559921_at	PECAM1	platelet/endothelial cell adhesion molecule		
-1.541	227064_at	ANKRD40	ankyrin repeat domain 40	Unknown	other
-1.541	219655_at	C7ORF10	chromosome 7 open reading frame 10	Unknown	other
-1.539	203206_at	FAM53B	family with sequence similarity 53, member B	Unknown	other
-1.537	201975_at	CLIP1	CAP-GLY domain containing linker protein 1	Cytoplasm	other
-1.532	243351_at	FLJ31485	hypothetical protein LOC440119	Unknown	other

-1.531	229937_x_at	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	Plasma Membrane	other
-1.528	219305_x_at	FBXO2	F-box protein 2	Cytoplasm	enzyme
-1.524	90265_at	ADAP1	ArfGAP with dual PH domains 1	Nucleus	other
-1.520	238569_at	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	Plasma Membrane	G-protein coupled receptor
-1.515	229009_at	SIX5	SIX homeobox 5	Nucleus	transcription regulator
-1.513	228065_at	BCL9L	B-cell CLL/lymphoma 9-like	Cytoplasm	other
-1.513	207510_at	BDKRB1	bradykinin receptor B1	Plasma Membrane	G-protein coupled receptor
-1.511	205074_at	SLC22A5	solute carrier family 22 (organic cation/carnitine transporter), member 5	Plasma Membrane	transporter
-1.506	226500_at	ZBTB47	zinc finger and BTB domain containing 47	Unknown	other
1.503	208668_x_at	HMGN2	high-mobility group nucleosomal binding domain 2	Nucleus	other
1.506	220078_at	USP48	ubiquitin specific peptidase 48	Plasma Membrane	peptidase
1.507	226359_at	GTPBP1	GTP binding protein 1	Cytoplasm	enzyme
1.511	243708_at	TMEM132E	transmembrane protein 132E	Unknown	other
1.512	200040_at	KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1	Nucleus	transcription regulator
1.516	210334_x_at	BIRC5	baculoviral IAP repeat-containing 5	Cytoplasm	other
1.516	236017_at	CDKL3	cyclin-dependent kinase-like 3	Cytoplasm	kinase
1.516	205368_at	FAM131B	family with sequence similarity 131, member B	Unknown	other
1.519	238165_at	LOC100129282	hypothetical protein LOC100129282	Unknown	other
1.519	202696_at	OXSRI	oxidative-stress responsive 1	Nucleus	kinase
1.519	1557003_at	TTC23L	tetratricopeptide repeat domain 23-like	Unknown	other
1.521	221427_s_at	CCNL2	cyclin L2	Nucleus	other
1.521	205182_s_at	ZNF324	zinc finger protein 324	Nucleus	other
1.528	1556895_a_at	NT5DC2	5'-nucleotidase domain containing 2	Unknown	other
1.530	218338_at	PHC1	polyhomeotic homolog 1 (Drosophila)	Nucleus	other
1.532	1556567_at	NAP1L4	nucleosome assembly protein 1-like 4	Nucleus	other
1.537	200631_s_at	SET	SET nuclear oncogene	Nucleus	phosphatase
1.538	225476_at	BAT4	HLA-B associated transcript 4	Nucleus	transcription regulator
1.540	212232_at	FNBP4	formin binding protein 4	Nucleus	other
1.545	209927_s_at	C1ORF77	chromosome 1 open reading frame 77	Nucleus	other
1.549	223105_s_at	TMEM14C	transmembrane protein 14C	Plasma Membrane	other
1.550	208897_s_at	DDX18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	Nucleus	enzyme
1.552	1555837_s_at	POLR2B	polymerase (RNA) II (DNA directed)	Nucleus	enzyme
1.554	217842_at	LUC7L2	polypeptide B, 140kDa	Unknown	other
1.556	41858_at	FRAG1	LUC7-like 2 (S. cerevisiae)	Plasma Membrane	other
1.563	201273_s_at	SRP9	FGF receptor activating protein 1	Cytoplasm	other
1.565	211851_x_at	BRCA1	signal recognition particle 9kDa	Nucleus	transcription regulator
1.569	206516_at	AMH	breast cancer 1, early onset anti-Mullerian hormone	Nucleus	growth factor

				Extracellular Space	
1.569	209413_at	B4GALT2	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 2	Cytoplasm	enzyme
1.570	212315_s_at	NUP210	nucleoporin 210kDa	Nucleus	transporter
1.578	222130_s_at	FTSJ2	FtsJ homolog 2 (E. coli)	Nucleus	enzyme
1.580	244523_at	MMD	monocyte to macrophage differentiation-associated	Plasma	
1.581	227905_s_at	AZI2	5-azacytidine induced 2	Membrane	other
1.586	225050_at	ZNF512	zinc finger protein 512	Cytoplasm	other
1.587	225617_at	ODF2	outer dense fiber of sperm tails 2	Nucleus	other
1.591	213507_s_at	KPNB1	karyopherin (importin) beta 1	Cytoplasm	other
1.592	209422_at	PHF20	PHD finger protein 20	Nucleus	transporter
1.593	201385_at	DHX15	DEAH (Asp-Glu-Ala-His) box polypeptide 15	Nucleus	enzyme
1.597	221734_at	PRRC1	proline-rich coiled-coil 1	Unknown	other
1.602	1552578_a_at	MYO3B	myosin IIIB	Unknown	kinase
1.602	211784_s_at	SFRS1	splicing factor, arginine/serine-rich 1	Nucleus	other
1.611	200627_at	PTGES3 (includes EG:10728)	prostaglandin E synthase 3 (cytosolic)	Cytoplasm	enzyme
1.612	229533_x_at	ZNF680	zinc finger protein 680	Unknown	other
1.616	238418_at	SLC35B4	solute carrier family 35, member B4	Cytoplasm	transporter
1.621	224578_at	RCC2	regulator of chromosome condensation 2	Nucleus	other
1.625	226584_s_at	FAM110A	family with sequence similarity 110, member A	Unknown	other
1.625	200807_s_at	HSPD1	heat shock 60kDa protein 1 (chaperonin)	Cytoplasm	enzyme
1.626	200873_s_at	CCT8	chaperonin containing TCP1, subunit 8 (theta)	Cytoplasm	enzyme
1.628	229933_at	C1ORF74	chromosome 1 open reading frame 74	Unknown	other
1.628	200626_s_at	MATR3	matrin 3	Nucleus	other
1.628	208882_s_at	UBR5	ubiquitin protein ligase E3 component n-recogin 5	Nucleus	enzyme
1.629	224730_at	WDR68	WD repeat domain 68	Cytoplasm	other
1.629	203112_s_at	WHSC2	Wolf-Hirschhorn syndrome candidate 2	Nucleus	other
1.630	212817_at	DNAJB5	DnaJ (Hsp40) homolog, subfamily B, member 5	Unknown	other
1.630	223071_at	IER3IP1	immediate early response 3 interacting protein 1	Unknown	other
1.631	220668_s_at	DNMT3B	DNA (cytosine-5-)-methyltransferase 3 beta	Nucleus	enzyme
1.632	219177_at	BXDC2	brix domain containing 2	Nucleus	other
1.636	208990_s_at	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9)	Nucleus	other
1.636	230592_at	NSL1	NSL1, MIND kinetochore complex component, homolog (S. cerevisiae)	Nucleus	other
1.639	1570038_at	ZNF595	zinc finger protein 595	Nucleus	other
1.641	1554785_at	CCDC82	coiled-coil domain containing 82	Unknown	other
1.649	235052_at	ZNF792	zinc finger protein 792	Unknown	other
1.651	202960_s_at	MUT	methylmalonyl Coenzyme A mutase	Cytoplasm	enzyme
1.654	203966_s_at	PPM1A	protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform	Cytoplasm	phosphatas
1.654	222489_s_at	WRNIP1	Werner helicase interacting protein 1	Nucleus	enzyme
1.658	226315_at	ZNF830	zinc finger protein 830	Nucleus	other
1.662	221158_at	C21ORF66	chromosome 21 open reading frame 66	Nucleus	other

1.662	202582_s_at	RANBP9	RAN binding protein 9 zinc finger with KRAB and SCAN domains 4	Nucleus	other transcription
1.662	213625_at	ZKSCAN4		Nucleus	regulator
1.663	1569476_at	DKFZP434L187	hypothetical LOC26082	Unknown	other
1.666	201446_s_at	TIA1	TIA1 cytotoxic granule-associated RNA binding protein	Nucleus	other
1.667	202721_s_at	GFPT1	glutamine-fructose-6-phosphate transaminase 1	Cytoplasm	enzyme
1.669	219320_at	MYO19	myosin XIX	Unknown	other
1.670	209269_s_at	SYK	spleen tyrosine kinase	Cytoplasm	kinase
1.673	204744_s_at	IARS	isoleucyl-tRNA synthetase	Cytoplasm	enzyme
1.674	222424_s_at	NUCKS1	nuclear casein kinase and cyclin- dependent kinase substrate 1	Nucleus	kinase
1.674	215722_s_at	SNRPA1	small nuclear ribonucleoprotein polypeptide A'	Nucleus	other
1.684	213179_at	RQCD1	RCD1 required for cell differentiation1 homolog (S. pombe)	Unknown	other
1.684	226148_at	ZBTB44	zinc finger and BTB domain containing 44	Unknown	other
1.684	214686_at	ZNF266	zinc finger protein 266	Nucleus	other
1.687	212569_at	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1	Unknown	other
1.691	1558914_at	PPPDE1	PPPDE peptidase domain containing 1	Unknown	other
1.694	221952_x_at	TRMT5	TRM5 tRNA methyltransferase 5 homolog (S. cerevisiae)	Unknown	other
1.695	215947_s_at	FAM136A	family with sequence similarity 136, member A	Cytoplasm	other
1.698	218602_s_at	HAUS6	HAUS augmin-like complex, subunit 6	Unknown	other
1.705	234710_s_at	PARP6	poly (ADP-ribose) polymerase family, member 6	Unknown	other transcription
1.709	241009_at	FOXN4	forkhead box N4 methyl-CpG binding domain protein 4	Nucleus	regulator
1.711	214048_at	MBD4		Nucleus	enzyme
1.714	244703_x_at	IPO9	importin 9	Nucleus	transporter
1.715	226048_at	MAPK8	mitogen-activated protein kinase 8	Cytoplasm	kinase
1.716	204477_at	RABIF	RAB interacting factor	Unknown	transporter
1.717	226346_at	MEX3A	mex-3 homolog A (C. elegans)	Unknown	other
1.722	64371_at	SFRS14	splicing factor, arginine/serine-rich 14	Nucleus	other
1.723	214100_x_at	NSUN5B	NOL1/NOP2/Sun domain family, member 5B	Unknown	other
1.725	241980_at	MAP6	microtubule-associated protein 6	Cytoplasm	other
1.727	206669_at	GAD1	glutamate decarboxylase 1 (brain, 67kDa)	Cytoplasm	enzyme
1.727	213649_at	SFRS7	splicing factor, arginine/serine-rich 7, 35kDa	Nucleus	other
1.728	200713_s_at	MAPRE1	microtubule-associated protein, RP/EB family, member 1	Cytoplasm	other
1.729	1556597_a_at	LOC284513	hypothetical protein LOC284513	Unknown	other
1.730	243618_s_at	ZNF827	zinc finger protein 827	Unknown	other
1.732	212372_at	MYH10	myosin, heavy chain 10, non- muscle	Cytoplasm	other
1.733	228281_at	C11ORF82	chromosome 11 open reading frame 82	Cytoplasm	other
1.733	1554661_s_at	C1ORF71	chromosome 1 open reading frame 71	Unknown	other
1.735	222794_x_at	MTPAP	mitochondrial poly(A) polymerase	Unknown	other
1.736	203061_s_at	MDC1	mediator of DNA damage	Nucleus	other

1.736	204267_x_at	PKMYT1	checkpoint 1 protein kinase, membrane associated tyrosine/threonine 1	Cytoplasm	kinase
1.738	243772_at	SDCCAG8	serologically defined colon cancer antigen 8	Cytoplasm	other
1.741	218365_s_at	DARS2	aspartyl-tRNA synthetase 2, mitochondrial	Unknown	enzyme
1.741	201528_at	RPA1	replication protein A1, 70kDa	Nucleus	other
1.742	1555573_at	C10ORF93	chromosome 10 open reading frame 93	Unknown	other
1.749	208766_s_at	HNRNPR	heterogeneous nuclear ribonucleoprotein R	Nucleus	other
1.749	225732_at	KLHDC5	kelch domain containing 5	Unknown	other
1.753	212031_at	RBM25 (includes EG:58517)	RNA binding motif protein 25	Nucleus	other
1.756	200726_at	PPP1CC	protein phosphatase 1, catalytic subunit, gamma isoform	Cytoplasm	phosphatase
1.757	226488_at	RCCD1	RCC1 domain containing 1	Unknown	other
1.758	230024_at	AARS2	alanyl-tRNA synthetase 2, mitochondrial (putative)	Unknown	enzyme
1.764	208796_s_at	CCNG1	cyclin G1	Nucleus	other
1.766	208427_s_at	ELAVL2	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B)	Cytoplasm	other
1.772	201342_at	SNRPC	small nuclear ribonucleoprotein polypeptide C	Nucleus	other
1.772	1552937_s_at	TREX1 (includes EG:11277)	three prime repair exonuclease 1	Nucleus	enzyme
1.774	219869_s_at	SLC39A8	solute carrier family 39 (zinc transporter), member 8	Extracellular Space	transporter
1.774	214728_x_at	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	Nucleus	transcription regulator
1.778	202240_at	PLK1	polo-like kinase 1 (Drosophila)	Nucleus	kinase
1.780	224783_at	FAM100B	family with sequence similarity 100, member B	Unknown	other
1.782	202923_s_at	GCLC	glutamate-cysteine ligase, catalytic subunit	Cytoplasm	enzyme
1.784	222193_at	C2ORF43	chromosome 2 open reading frame 43	Unknown	enzyme
1.787	230494_at	SLC20A1	solute carrier family 20 (phosphate transporter), member 1	Plasma Membrane	transporter
1.788	223298_s_at	NT5C3	5'-nucleotidase, cytosolic III	Cytoplasm	phosphatase
1.789	213989_x_at	SETD4	SET domain containing 4	Unknown	other
1.789	222804_x_at	WDR32	WD repeat domain 32	Unknown	other
1.799	227788_at	USP13 (includes EG:8975)	ubiquitin specific peptidase 13 (isopeptidase T-3)	Unknown	peptidase
1.800	212138_at	PDS5A	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Nucleus	other
1.802	201036_s_at	HADH	hydroxyacyl-Coenzyme A dehydrogenase	Cytoplasm	enzyme
1.803	212502_at	ADO	2-aminoethanethiol (cysteamine) dioxygenase	Unknown	other
1.803	202462_s_at	DDX46	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Nucleus	enzyme
1.804	229707_at	ZNF606	zinc finger protein 606	Nucleus	other
1.805	224947_at	RNF26	ring finger protein 26	Unknown	other
1.807	204946_s_at	TOP3A	topoisomerase (DNA) III alpha	Nucleus	enzyme
1.810	200608_s_at	RAD21	RAD21 homolog (S. pombe)	Nucleus	other
1.811	217612_at	TIMM50	translocase of inner mitochondrial membrane 50 homolog (S.	Cytoplasm	phosphatase

1.812	223270_at	CTDSPL2	cerevisiae) CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A)	Unknown	other
1.814	213017_at	ABHD3	small phosphatase like 2 abhydrolase domain containing 3	Unknown	enzyme transcription
1.814	240084_at	CBX2	chromobox homolog 2 (Pc class homolog, Drosophila)	Nucleus	regulator transcription
1.816	202227_s_at	BRD8	bromodomain containing 8	Nucleus	regulator
1.822	215004_s_at	SF4	splicing factor 4	Nucleus	other
1.823	200037_s_at	CBX3	chromobox homolog 3 (HP1 gamma homolog, Drosophila)	Nucleus	other
1.823	218478_s_at	ZCCHC8	zinc finger, CCHC domain containing 8	Unknown	other
1.825	234672_s_at	TMEM48	transmembrane protein 48	Nucleus	other
1.826	225700_at	GLCC1	glucocorticoid induced transcript 1 chromosome 4 open reading frame	Unknown	other
1.831	218646_at	C4ORF27	27	Nucleus	other
1.832	201731_s_at	TPR	translocated promoter region (to activated MET oncogene)	Nucleus	other
1.834	230203_at	FLJ46875	hypothetical LOC440918 calcium/calmodulin-dependent serine protein kinase (MAGUK family)	Unknown	other
1.835	211208_s_at	CASK		Plasma Membrane	kinase
1.835	201481_s_at	PYGB	phosphorylase, glycogen; brain chromosome 1 open reading frame	Unknown	enzyme
1.836	220011_at	C1ORF135	135	Unknown	other
1.836	205292_s_at	HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1	Nucleus	other
1.845	212997_s_at	TLK2	tousled-like kinase 2	Cytoplasm	kinase
1.846	204040_at	RNF144A	ring finger protein 144A	Nucleus	other
1.850	228988_at	ZNF711	zinc finger protein 711	Nucleus	other
1.851	239169_at	RDM1	RAD52 motif 1	Unknown	other
1.852	218370_s_at	S100PBP	S100P binding protein	Nucleus	other
1.853	211971_s_at	LRPPRC	leucine-rich PPR-motif containing	Cytoplasm	other
1.854	217956_s_at	ENOPH1	enolase-phosphatase 1	Cytoplasm	enzyme
1.854	222441_x_at	SLMO2	slowmo homolog 2 (Drosophila)	Unknown	other
1.855	1561042_at	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	Plasma Membrane	transmembr receptor
1.857	206695_x_at	ZNF43	zinc finger protein 43	Nucleus	other
1.858	204492_at	ARHGAP11A	Rho GTPase activating protein 11A	Unknown	other
1.858	205538_at	CORO2A	coronin, actin binding protein, 2A elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Cytoplasm	enzyme
1.862	220029_at	ELOVL2		Cytoplasm	enzyme
1.862	1558027_s_at	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Unknown	kinase
1.862	229789_at	TIGD3 (includes EG:220359)	tigger transposable element derived 3	Unknown	other
1.863	223055_s_at	XPO5	exportin 5	Nucleus	transporter
1.866	208725_at	EIF2S2	eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa	Cytoplasm	regulator
1.867	203743_s_at	TDG	thymine-DNA glycosylase	Nucleus	enzyme
1.869	221743_at	CUGBP1	CUG triplet repeat, RNA binding protein 1	Nucleus	translation regulator
1.870	201112_s_at	CSE1L	CSE1 chromosome segregation 1- like (yeast)	Nucleus	transporter
1.870	200754_x_at	SFRS2	splicing factor, arginine/serine-rich 2	Nucleus	transcription regulator
1.877	206238_s_at	YAF2	YY1 associated factor 2	Nucleus	transcription regulator

1.878	203976_s_at	CHAF1A	chromatin assembly factor 1, subunit A (p150)	Nucleus	other
1.878	232931_at	SNRNP200	small nuclear ribonucleoprotein 200kDa (U5)	Nucleus	enzyme
1.878	244406_at	ZNF20	zinc finger protein 20	Nucleus	other
1.880	209228_x_at	TUSC3	tumor suppressor candidate 3	Extracellular Space	enzyme
1.883	213911_s_at	H2AFZ	H2A histone family, member Z	Nucleus	other
1.885	225160_x_at	MDM2	Mdm2 p53 binding protein homolog (mouse)	Nucleus	regulator
1.887	208775_at	XPO1	exportin 1 (CRM1 homolog, yeast)	Nucleus	transporter
1.891	203494_s_at	CEP57	centrosomal protein 57kDa	Cytoplasm	other
1.893	238541_at	C21ORF58	chromosome 21 open reading frame 58	Unknown	other
1.894	202420_s_at	DHX9	DEAH (Asp-Glu-Ala-His) box polypeptide 9	Nucleus	enzyme
1.899	225976_at	BTF3L4	basic transcription factor 3-like 4	Unknown	other
1.903	239585_at	KAT2B	K(lysine) acetyltransferase 2B	Nucleus	regulator
1.904	220223_at	ATAD5	ATPase family, AAA domain containing 5	Unknown	other
1.905	211419_s_at	CHN2	chimerin (chimaerin) 2	Cytoplasm	other
1.910	224880_at	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	Cytoplasm	enzyme
1.910	215711_s_at	WEE1	WEE1 homolog (S. pombe)	Nucleus	kinase
1.912	227542_at	SOCS6	suppressor of cytokine signaling 6	Cytoplasm	other
1.913	1554239_s_at	ZADH2	zinc binding alcohol dehydrogenase domain containing 2	Cytoplasm	enzyme
1.915	223915_at	BCOR	BCL6 co-repressor	Nucleus	regulator
1.915	226032_at	CASP2	caspase 2, apoptosis-related	Cytoplasm	peptidase
1.916	205235_s_at	KIF20B	cysteine peptidase	Nucleus	enzyme
1.917	218564_at	RFWD3	kinesin family member 20B	Unknown	other
1.920	228963_at	RSBN1L	ring finger and WD repeat domain 3	Unknown	other
1.921	212539_at	CHD1L	round spermatid basic protein 1-like chromodomain helicase DNA binding protein 1-like	Unknown	enzyme
1.928	218277_s_at	DHX40	DEAH (Asp-Glu-Ala-His) box polypeptide 40	Unknown	enzyme
1.928	215982_s_at	DOM3Z	dom-3 homolog Z (C. elegans)	Unknown	other
1.931	200733_s_at	PTP4A1	protein tyrosine phosphatase type IVA, member 1	Nucleus	phosphatase
1.932	239422_at	GPC2	glypican 2	Plasma Membrane	other
1.934	222807_at	C11ORF30	chromosome 11 open reading frame 30	Nucleus	other
1.935	201687_s_at	API5	apoptosis inhibitor 5	Cytoplasm	other
1.935	201748_s_at	SAFB	scaffold attachment factor B	Nucleus	other
1.942	221410_x_at	PCDHB3	protocadherin beta 3	Plasma Membrane	other
1.942	232112_at	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	Unknown	other
1.944	219642_s_at	PEX5L	peroxisomal biogenesis factor 5-like	Cytoplasm	other
1.947	1558816_at	ZNF664	zinc finger protein 664	Nucleus	other
1.952	226696_at	RBBP9	retinoblastoma binding protein 9	Nucleus	other
1.952	228326_at	WDR27	WD repeat domain 27	Unknown	other
1.954	218104_at	TEX10	testis expressed 10	Nucleus	other
1.956	218653_at	SLC25A15	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Cytoplasm	transporter
1.957	208930_s_at	ILF3	interleukin enhancer binding factor	Nucleus	transcription factor

1.960	235208_at	CCDC112	3, 90kDa coiled-coil domain containing 112 zinc finger, RAN-binding domain	Unknown	regulator other
1.961	239538_at	ZRANB3	containing 3 Gen homolog 1, endonuclease	Unknown	enzyme
1.963	228286_at	GEN1	(Drosophila) Ras protein-specific guanine nucleotide-releasing factor 2	Unknown	enzyme
1.964	1556128_a_at	RASGRF2	tetratricopeptide repeat domain 31	Cytoplasm	other
1.969	218838_s_at	TTC31	ZXD family zinc finger C	Unknown	other
1.969	225964_at	ZXDC	suppressor of Ty 3 homolog (S. cerevisiae)	Unknown	other transcription
1.975	206506_s_at	EG:8464)	USPT3H (includes	Nucleus	regulator
1.976	202413_s_at	USP1	ubiquitin specific peptidase 1	Cytoplasm	peptidase
1.980	212980_at	EG:9736)	USP34 (includes	Unknown	peptidase
1.984	230079_at	ST7L	ubiquitin specific peptidase 34	Unknown	other
1.985	218851_s_at	WDR33	suppression of tumorigenicity 7 like WD repeat domain 33	Nucleus	other
1.987	203550_s_at	C1ORF2	chromosome 1 open reading frame 2	Unknown	other
1.987	213842_x_at	NSUN5C	NOL1/NOP2/Sun domain family, member 5C	Unknown	other
1.988	201947_s_at	CCT2	chaperonin containing TCP1, subunit 2 (beta)	Cytoplasm	kinase G-protein coupled receptor
1.988	211919_s_at	CXCR4	chemokine (C-X-C motif) receptor 4 PC4 and SFRS1 interacting protein	Plasma Membrane	receptor
1.989	209337_at	PSIP1	1	Nucleus	other
1.989	215455_at	TIMELESS	timeless homolog (Drosophila)	Nucleus Plasma	other
1.990	208691_at	TFRC	transferrin receptor (p90, CD71) chaperonin containing TCP1,	Membrane	transporter
1.992	201326_at	CCT6A	subunit 6A (zeta 1) cleavage stimulation factor, 3' pre- RNA, subunit 3, 77kDa	Cytoplasm	other
1.992	203947_at	CSTF3	similar to Vesicle-fusing ATPase (Vesicular-fusion protein NSF) (N- ethylmaleimide sensitive fusion protein) (NEM-sensitive fusion protein)	Nucleus	other
1.994	1566785_x_at	LOC728806		Unknown	other
1.995	204649_at	TROAP	trophinin associated protein (tastin) lysophosphatidylglycerol	Cytoplasm	peptidase
1.996	202651_at	LPGAT1	acyltransferase 1	Cytoplasm	other
1.997	222646_s_at	ERO1L	ERO1-like (S. cerevisiae) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog, S. cerevisiae)	Cytoplasm	enzyme
1.998	208159_x_at	DDX11	Fanconi anemia, complementation group I	Nucleus	enzyme
1.999	223785_at	FANCI	reticulocalbin 2, EF-hand calcium binding domain	Unknown	other
2.000	201485_s_at	RCN2	zinc finger protein 821	Cytoplasm	other
2.000	41397_at	ZNF821	TBC1 domain family, member 23	Unknown	other
2.002	225121_at	TBC1D23	ubiquitin-like modifier activating enzyme 2	Unknown	other
2.004	201177_s_at	UBA2	paternally expressed 10	Cytoplasm	enzyme
2.007	212092_at	PEG10	BUD13 homolog (S. cerevisiae)	Nucleus	other
2.008	224504_s_at	BUD13	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	Nucleus	other
2.009	212295_s_at	SLC7A1		Plasma Membrane	transporter
2.012	229103_at	WNT3	wingless-type MMTV integration site family, member 3	Extracellular Space	other

2.016	206147_x_at	SCML2	sex comb on midleg-like 2 (Drosophila)	Nucleus	transcription regulator
2.019	227162_at	ZBTB26	zinc finger and BTB domain containing 26	Nucleus	other transcription regulator
2.021	209572_s_at	EED	embryonic ectoderm development sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3)	Nucleus	enzyme
2.021	207856_s_at	SMPD4	zinc finger protein 551	Cytoplasm	other
2.021	211721_s_at	ZNF551	RNA binding motif protein 8A	Nucleus	other
2.022	214113_s_at	RBM8A	chromosome 9 open reading frame 140	Unknown	other
2.023	225777_at	C9ORF140	chromosome 10 open reading frame 119	Nucleus	other
2.030	217905_at	C10ORF119	FK506 binding protein 5	Nucleus	enzyme
2.031	224840_at	FKBP5	importin 5	Nucleus	transporter
2.031	211954_s_at	IPO5	importin 7	Nucleus	transporter
2.032	200993_at	IPO7	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	Nucleus	phosphatase
2.035	226201_at	DOT1L	family with sequence similarity 111, member B	Unknown	other
2.041	1557129_a_at	FAM111B	transmembrane protein 14B	Unknown	other
2.042	223133_at	TMEM14B	muscle-related coiled-coil protein	Unknown	other
2.046	241749_at	MURC	mediator of cell motility 1	Unknown	other
2.049	219065_s_at	MEMO1 (includes EG:51072)	RAD18 homolog (<i>S. cerevisiae</i>)	Nucleus	other
2.049	223417_at	RAD18		Plasma	
2.050	224596_at	SLC44A1	solute carrier family 44, member 1	Membrane	transporter
2.052	205181_at	ZNF193	zinc finger protein 193	Nucleus	transcription regulator
2.056	232278_s_at	DEPDC1	DEP domain containing 1 chromobox homolog 5 (HP1 alpha homolog, <i>Drosophila</i>)	Unknown	other
2.060	212126_at	CBX5	DCP2 decapping enzyme homolog (<i>S. cerevisiae</i>)	Nucleus	other
2.060	244777_at	DCP2	solute carrier family 29 (nucleoside transporters), member 3	Plasma	transporter
2.064	219344_at	SLC29A3	GTP binding protein 2	Membrane	enzyme
2.066	221050_s_at	GTPBP2	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1	Unknown	
2.067	223197_s_at	SMARCAD1	X-ray repair complementing defective repair in Chinese hamster cells 1	Nucleus	enzyme
2.070	203655_at	XRCC1	ASF1 anti-silencing function 1 homolog B (<i>S. cerevisiae</i>)	Nucleus	other
2.071	218115_at	ASF1B	ubiquitin protein ligase E3 component n-recogin 7 (putative)	Nucleus	other
2.071	218108_at	UBR7	WD repeat domain 67	Unknown	enzyme
2.071	214061_at	WDR67	poly (ADP-ribose) polymerase 2 pinin, desmosome associated protein	Unknown	other
2.072	215773_x_at	PARP2	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	Nucleus	enzyme
2.074	212036_s_at	PNN		Plasma	other
2.075	228741_s_at	HCN3	zinc and ring finger 2	Membrane	ion channel
2.075	226261_at	ZNRF2	defects in morphology 1 homolog (<i>S. cerevisiae</i>)	Cytoplasm	other
2.077	222902_s_at	DEM1	nucleoporin 133kDa	Unknown	other
2.078	202184_s_at	NUP133	ribosomal protein S6 kinase, 90kDa, polypeptide 5	Nucleus	transporter
2.078	204633_s_at	RPS6KA5		Nucleus	kinase

2.079	201456_s_at	BUB3	budding uninhibited by benzimidazoles 3 homolog (yeast)	Nucleus	other
2.079	207168_s_at	H2AFY	H2A histone family, member Y	Nucleus	other
2.080	1568815_a_at	DDX50	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50	Nucleus	enzyme
2.082	202963_at	RFX5	regulatory factor X, 5 (influences HLA class II expression)	Nucleus	transcription regulator
2.082	202200_s_at	SRPK1	SFRS protein kinase 1	Nucleus	kinase
2.083	220060_s_at	C12ORF48	chromosome 12 open reading frame 48	Nucleus	other
2.083	235039_x_at	LIN9	lin-9 homolog (C. elegans)	Nucleus	other
2.085	219886_at	CEP97	centrosomal protein 97kDa	Unknown	other
2.086	218896_s_at	C17ORF85	chromosome 17 open reading frame 85	Unknown	other
2.087	212380_at	FTSJD2	FtsJ methyltransferase domain containing 2	Unknown	other
2.088	203664_s_at	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	Nucleus	enzyme
2.093	228173_at	GNAS	GNAS complex locus	Plasma	enzyme
2.095	218558_s_at	MRPL39	mitochondrial ribosomal protein L39	Membrane	enzyme
2.099	201115_at	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	Nucleus	enzyme
2.106	218392_x_at	SFXN1	sideroflexin 1	Cytoplasm	transporter
2.106	203026_at	ZBTB5	zinc finger and BTB domain containing 5	Nucleus	other
2.107	201630_s_at	ACP1	acid phosphatase 1, soluble	Cytoplasm	phosphatase
2.107	219531_at	CEP72	centrosomal protein 72kDa	Cytoplasm	other
2.107	244427_at	KIF23	kinesin family member 23	Cytoplasm	other
2.109	208822_s_at	DAP3	death associated protein 3	Cytoplasm	other
2.109	224793_s_at	TGFBR1	transforming growth factor, beta receptor 1	Plasma	kinase
2.110	212801_at	CIT	citron (rho-interacting, serine/threonine kinase 21)	Membrane	kinase
2.111	208758_at	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	Cytoplasm	enzyme
2.111	211761_s_at	CACYBP	calcyclin binding protein	Unknown	other
2.112	209798_at	NPAT	nuclear protein, ataxia-telangiectasia locus	Nucleus	other
2.114	225431_x_at	PM20D2	peptidase M20 domain containing 2	Unknown	other
2.116	225610_at	UHRF2	ubiquitin-like with PHD and ring finger domains 2	Nucleus	enzyme
2.118	217408_at	MRPS18B	mitochondrial ribosomal protein S18B	Nucleus	other
2.120	213370_s_at	SFMBT1	Scm-like with four mbt domains 1	Cytoplasm	other
2.126	212832_s_at	CKAP5	cytoskeleton associated protein 5	Nucleus	other
2.128	203210_s_at	RFC5	replication factor C (activator 1) 5, 36.5kDa	Nucleus	enzyme
2.131	1554271_a_at	CENPL	centromere protein L	Unknown	other
2.132	219187_at	FKBPL	FK506 binding protein like	Unknown	other
2.133	218323_at	RHOT1	ras homolog gene family, member T1	Cytoplasm	enzyme
2.136	230846_at	AKAP5	A kinase (PRKA) anchor protein 5	Plasma	other
2.140	1568873_at	ZNF519	zinc finger protein 519	Membrane	other
2.140	206557_at	ZNF702	zinc finger protein 702 pseudogene	Nucleus	other
2.141	224897_at	WDR26	WD repeat domain 26	Nucleus	other
2.142	218061_at	MEA1	male-enhanced antigen 1	Cytoplasm	other
2.143	212557_at	ZNF451	zinc finger protein 451	Cytoplasm	other
2.148	223219_s_at	CNOT10	CCR4-NOT transcription complex,	Nucleus	other

2.148	222624_s_at	ZNF639	subunit 10 zinc finger protein 639	Nucleus	other
2.151	201255_x_at	BAT3	HLA-B associated transcript 3	Nucleus	enzyme transcription regulator
2.151	201763_s_at	DAXX	death-domain associated protein putative homeodomain transcription factor 2	Nucleus	other
2.154	1554822_at	PHTF2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	Cytoplasm	enzyme
2.156	210007_s_at	GPD2		Cytoplasm	enzyme
2.156	204461_x_at	RAD1	RAD1 homolog (S. pombe)	Nucleus	enzyme
2.170	204663_at	ME3	malic enzyme 3, NADP(+)- dependent, mitochondrial splicing factor proline/glutamine-rich (polypyrimidine tract binding protein associated)	Cytoplasm	enzyme
2.170	201585_s_at	SFPQ		Nucleus	other
2.173	223531_x_at	GPR89B	G protein-coupled receptor 89B	Unknown	other
2.177	220968_s_at	TSPAN9	tetraspanin 9	Plasma	other
2.181	223598_at	RAD23B	RAD23 homolog B (S. cerevisiae)	Membrane	other
2.187	203714_s_at	TBCE	tubulin folding cofactor E	Nucleus	other
2.188	218434_s_at	AACS	acetoacetyl-CoA synthetase	Cytoplasm	enzyme transcription regulator
2.188	204645_at	CCNT2	cyclin T2 MAP/microtubule affinity-regulating kinase 1	Nucleus	other
2.199	1560407_at	MARK1		Cytoplasm	kinase
2.199	226355_at	WDR51A	WD repeat domain 51A basic helix-loop-helix domain containing, class B, 9	Unknown	peptidase
2.200	213709_at	BHLHB9	diacylglycerol O-acyltransferase homolog 2 (mouse)	Unknown	other
2.200	226064_s_at	DGAT2	RAB GTPase activating protein 1- like	Cytoplasm	enzyme
2.202	203020_at	RABGAP1L		Unknown	other
2.206	205910_s_at	CEL	carboxyl ester lipase (bile salt- stimulated lipase)	Extracellular Space	enzyme
2.208	208123_at	KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	Plasma	ion channel
2.209	212609_s_at	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	Membrane	kinase
2.210	224765_at	MSL1	male-specific lethal 1 homolog (Drosophila)	Cytoplasm	other
2.211	1558956_s_at	IFT80	intraflagellar transport 80 homolog (Chlamydomonas)	Unknown	other
2.211	208643_s_at	XRCC5	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	Unknown	enzyme
2.214	223993_s_at	CNIH4	cornichon homolog 4 (Drosophila)	Nucleus	other
2.217	201127_s_at	ACLY	ATP citrate lyase chromosome 18 open reading frame	Plasma	enzyme
2.217	223181_at	C18ORF55	55	Cytoplasm	other
2.218	203654_s_at	COIL	coilin	Nucleus	other
2.218	210508_s_at	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	Plasma	ion channel
2.218	226200_at	VAR52	valyl-tRNA synthetase 2, mitochondrial (putative)	Membrane	enzyme transcription regulator
2.218	222619_at	ZNF281	zinc finger protein 281	Unknown	other
2.221	208696_at	CCT5	chaperonin containing TCP1, subunit 5 (epsilon)	Nucleus	other
2.222	232052_at	LOC440944	hypothetical LOC440944	Cytoplasm	other

2.223	206572_x_at	ZNF85	zinc finger protein 85	Nucleus	transcription regulator
2.225	213518_at	PRKCI	protein kinase C, iota	Cytoplasm	kinase
2.226	226652_at	USP3	ubiquitin specific peptidase 3	Cytoplasm	peptidase
2.228	232486_at	LRFN1	leucine rich repeat and fibronectin type III domain containing 1	Nucleus	other
2.230	211464_x_at	CASP6	caspase 6, apoptosis-related cysteine peptidase	Cytoplasm	peptidase
2.231	238841_at	PTPDC1	protein tyrosine phosphatase domain containing 1	Unknown	phosphatase
2.232	238575_at	OSBPL6	oxysterol binding protein-like 6	Cytoplasm	other
2.233	212200_at	ANKLE2	ankyrin repeat and LEM domain containing 2	Nucleus	transcription regulator
2.235	225024_at	RPRD1B	regulation of nuclear pre-mRNA domain containing 1B	Unknown	other
2.236	211042_x_at	MCAM	melanoma cell adhesion molecule	Membrane	other
2.242	1553654_at	SYT14	synaptotagmin XIV	Unknown	transporter
2.244	239233_at	CCDC88A	coiled-coil domain containing 88A	Cytoplasm	other
2.244	203346_s_at	MTF2	metal response element binding transcription factor 2	Nucleus	transcription regulator
2.247	225533_at	PHF19	PHD finger protein 19	Unknown	other
2.251	202208_s_at	ARL4C	ADP-ribosylation factor-like 4C	Nucleus	enzyme
2.252	216228_s_at	WDHD1	WD repeat and HMG-box DNA binding protein 1	Nucleus	other
2.253	218768_at	NUP107	nucleoporin 107kDa	Nucleus	transporter
2.255	202983_at	HLTF	helicase-like transcription factor	Nucleus	transcription regulator
2.256	221559_s_at	MIS12	MIS12, MIND kinetochore complex component, homolog (S. pombe)	Nucleus	other
2.259	226215_s_at	KDM2B	lysine (K)-specific demethylase 2B	Nucleus	other
2.260	212673_at	METAP1	methionyl aminopeptidase 1	Cytoplasm	peptidase
2.262	230521_at	C9ORF100	chromosome 9 open reading frame 100	Unknown	other
2.265	226482_s_at	RP11-544M22.4	thiosulfate sulfurtransferase KAT, putative	Unknown	other
2.271	206003_at	CEP135	centrosomal protein 135kDa	Cytoplasm	other
2.274	238962_at	ZNF681	zinc finger protein 681	Unknown	other
2.275	231843_at	DDX55	DEAD (Asp-Glu-Ala-Asp) box polypeptide 55	Unknown	enzyme
2.276	204441_s_at	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	Nucleus	enzyme
2.277	236609_at	LOC100129592	hypothetical protein LOC100129592	Unknown	other
2.277	223238_s_at	PBRM1	polybromo 1	Nucleus	other
2.277	216026_s_at	POLE	polymerase (DNA directed), epsilon	Nucleus	enzyme
2.278	212287_at	SUZ12	suppressor of zeste 12 homolog (Drosophila)	Nucleus	enzyme
2.278	226044_at	TDP1	tyrosyl-DNA phosphodiesterase 1	Nucleus	enzyme
2.279	212709_at	NUP160	nucleoporin 160kDa	Nucleus	transporter
2.279	226619_at	SENP1	SUMO1/sentrin specific peptidase 1	Nucleus	peptidase
2.281	203660_s_at	PCNT	pericentrin	Cytoplasm	other
2.282	204061_at	PRKX	protein kinase, X-linked	Cytoplasm	kinase
2.286	202916_s_at	FAM20B	family with sequence similarity 20, member B	Extracellular Space	other
2.287	216548_x_at	HMG4L	high-mobility group box 3-like 1	Unknown	other
2.288	223630_at	C7ORF13	chromosome 7 open reading frame 13	Unknown	other
2.289	202691_at	SNRPD1	small nuclear ribonucleoprotein D1	Nucleus	other
2.290	229892_at	EP400NL	polypeptide 16kDa	Unknown	other
2.292	212055_at	C18ORF10	EP400 N-terminal like	Nucleus	other
			chromosome 18 open reading frame		

2.292	231996_at	N4BP2	10 NEDD4 binding protein 2 bromodomain and PHD finger	Cytoplasm	kinase
2.293	225217_s_at	BRPF3	containing, 3	Unknown	other
2.294	213469_at	PGAP1	post-GPI attachment to proteins 1	Cytoplasm	enzyme
2.298	204407_at	TTF2	transcription termination factor, RNA polymerase II	Nucleus	regulator
2.300	229878_at	KIAA1731	KIAA1731	Unknown	other
2.300	227192_at	PRRT2 (includes EG:112476)	proline-rich transmembrane protein 2	Unknown	other
2.301	229651_at	SEZ6	seizure related 6 homolog (mouse)	Unknown	other
2.304	202326_at	EHMT2	euchromatic histone-lysine N- methyltransferase 2	Nucleus	regulator
2.304	214306_at	OPA1	optic atrophy 1 (autosomal dominant)	Cytoplasm	enzyme
2.304	235411_at	PGBD1	piggyBac transposable element derived 1	Unknown	enzyme
2.307	228358_at	SOX12	SRY (sex determining region Y)-box 12	Nucleus	transcription regulator
2.308	225638_at	C1ORF31	chromosome 1 open reading frame 31	Unknown	other
2.308	209911_x_at	HIST1H2BD	histone cluster 1, H2bd	Nucleus	other transcription
2.312	204947_at	E2F1	E2F transcription factor 1	Nucleus	regulator
2.312	224720_at	MIB1	mindbomb homolog 1 (Drosophila)	Cytoplasm	other
2.313	200910_at	CCT3	chaperonin containing TCP1, subunit 3 (gamma)	Cytoplasm	other
2.314	225684_at	FAM33A	family with sequence similarity 33, member A	Unknown	other
2.315	218480_at	AGBL5	ATP/GTP binding protein-like 5	Cytoplasm	other
2.320	214978_s_at	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	Plasma Membrane	phosphatas
2.321	209698_at	CCHCR1	coiled-coil alpha-helical rod protein 1	Cytoplasm	other
2.321	203015_s_at	SSX2IP	synovial sarcoma, X breakpoint 2 interacting protein	Plasma Membrane	other
2.327	218740_s_at	CDK5RAP3 (includes EG:80279)	CDK5 regulatory subunit associated protein 3	Cytoplasm Plasma	other
2.327	211478_s_at	DPP4	dipeptidyl-peptidase 4	Membrane	peptidase
2.328	224564_s_at	RTN3	reticulon 3	Cytoplasm	other
2.329	210821_x_at	CENPA	centromere protein A	Nucleus	other transcription
2.329	202171_at	VEZF1	vascular endothelial zinc finger 1	Nucleus	regulator
2.330	219248_at	THUMPD2	THUMP domain containing 2	Unknown	enzyme
2.336	1566084_at	LOC644215	hypothetical LOC644215	Unknown	other translation
2.337	211594_s_at	MRPL9	mitochondrial ribosomal protein L9	Cytoplasm	regulator
2.342	202153_s_at	NUP62	nucleoporin 62kDa	Nucleus	transporter
2.342	200750_s_at	RAN	RAN, member RAS oncogene family	Nucleus	enzyme
2.344	219479_at	KDEL1	KDEL (Lys-Asp-Glu-Leu) containing 1	Unknown	other
2.345	229992_at	LOC643406	hypothetical protein LOC643406	Unknown	other
2.347	202783_at	NNT	nicotinamide nucleotide transhydrogenase	Cytoplasm	enzyme
2.352	235845_at	SP5	Sp5 transcription factor	Nucleus	other
2.353	219631_at	LRP12	low density lipoprotein-related protein 12	Plasma Membrane	transmembr receptor
2.354	222630_at	RFX7	regulatory factor X, 7	Unknown	other

2.355	205995_x_at	IQCB1	IQ motif containing B1	Extracellular Space	other
2.360	202899_s_at	SFRS3	splicing factor, arginine/serine-rich 3	Nucleus	other
2.361	219556_at	C16ORF59	59	Unknown	other
2.364	218719_s_at	GINS3	GIN5 complex subunit 3 (Psf3 homolog)	Unknown	other
2.367	225082_at	CPSF3	cleavage and polyadenylation specific factor 3, 73kDa	Nucleus	other
2.371	214614_at	MNX1	motor neuron and pancreas homeobox 1	Nucleus	transcription regulator
2.371	209586_s_at	PRUNE	prune homolog (Drosophila)	Nucleus	enzyme
2.371	208119_s_at	ZNF93	zinc finger protein 93	Nucleus	transcription regulator
2.378	1554408_a_at	TK1	thymidine kinase 1, soluble	Cytoplasm	kinase
2.382	218576_s_at	DUSP12	dual specificity phosphatase 12	Nucleus	phosphatase
2.383	209476_at	TMX1	thioredoxin-related transmembrane protein 1	Cytoplasm	enzyme
2.383	243661_at	ZNF273	zinc finger protein 273	Nucleus	other
2.384	217301_x_at	RBBP4	retinoblastoma binding protein 4	Nucleus	enzyme
2.384	221931_s_at	SEH1L	SEH1-like (S. cerevisiae)	Cytoplasm	transporter
2.384	206052_s_at	SLBP	stem-loop binding protein	Nucleus	other
2.384	200957_s_at	SSRP1	structure specific recognition protein 1	Nucleus	other
2.386	213787_s_at	EBP	emopamil binding protein (sterol isomerase)	Cytoplasm	enzyme
2.388	203830_at	C17ORF75	chromosome 17 open reading frame 75	Unknown	other
2.389	219120_at	C2ORF44	44	Unknown	other
2.389	203155_at	SETDB1	SET domain, bifurcated 1	Nucleus	enzyme
2.392	206245_s_at	IVNS1ABP	influenza virus NS1A binding protein	Nucleus	other
2.392	219493_at	SHCBP1	SHC SH2-domain binding protein 1	Unknown	other
2.394	201074_at	SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Nucleus	transcription regulator
2.398	228817_at	ALG9	asparagine-linked glycosylation 9, alpha-1,2-mannosyltransferase homolog (S. cerevisiae)	Cytoplasm	other
2.399	227713_at	KATNAL1	katanin p60 subunit A-like 1	Unknown	enzyme
2.400	211792_s_at	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	Nucleus	transcription regulator
2.401	202557_at	HSPA13	heat shock protein 70kDa family, member 13	Cytoplasm	other
2.402	224486_s_at	C15ORF41	41	Unknown	other
2.403	210178_x_at	FUSIP1	FUS interacting protein (serine/arginine-rich) 1	Nucleus	other
2.406	205284_at	URB2	URB2 ribosome biogenesis 2 homolog (S. cerevisiae)	Nucleus	other
2.407	1554095_at	RBM33	RNA binding motif protein 33	Unknown	other
2.407	235153_at	RNF183	ring finger protein 183	Unknown	other
2.410	220028_at	ACVR2B	activin A receptor, type IIB	Plasma Membrane	kinase
2.410	1555964_at	ARL17	ADP-ribosylation factor-like 17	Unknown	other
2.411	211814_s_at	CCNE2	cyclin E2	Nucleus	other
2.415	212836_at	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	Nucleus	transcription regulator
2.416	221436_s_at	CDCA3	cell division cycle associated 3	Cytoplasm	other
2.416	204603_at	EXO1	exonuclease 1	Nucleus	enzyme
2.420	242191_at	NBPF10	neuroblastoma breakpoint family,	Unknown	other

2.422	219019_at	LRDD	member 10		
2.424	203229_s_at	CLK2	leucine-rich repeats and death domain containing	Cytoplasm	other
2.427	1555841_at	C9ORF30	CDC-like kinase 2	Nucleus	kinase
2.429	209608_s_at	ACAT2	chromosome 9 open reading frame 30	Unknown	other
2.431	219775_s_at	LMAN1L	acetyl-Coenzyme A acetyltransferase 2	Cytoplasm	enzyme
2.432	225317_at	ACBD6		Plasma	
2.433	201275_at	FDPS	lectin, mannose-binding, 1 like	Membrane	other
2.433	226336_at	PPIA (includes EG:5478)	acyl-Coenzyme A binding domain containing 6	Unknown	other
2.433	201377_at	UBAP2L	farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase)	Cytoplasm	enzyme
2.434	219512_at	DSN1	peptidylprolyl isomerase A (cyclophilin A)	Cytoplasm	enzyme
2.435	202540_s_at	HMGCR	ubiquitin associated protein 2-like	Unknown	other
2.436	226432_at	ETNK1	DSN1, MIND kinetochore complex component, homolog (<i>S. cerevisiae</i>)	Nucleus	other
2.440	230469_at	RTKN2	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	Cytoplasm	enzyme
2.447	204835_at	POLA1	ethanolamine kinase 1	Cytoplasm	kinase
2.448	220255_at	FANCE	rhotekin 2	Plasma	
2.449	218842_at	RPAP3		Membrane	other
2.451	201710_at	MYBL2	polymerase (DNA directed), alpha 1, catalytic subunit	Nucleus	enzyme
2.456	223700_at	MND1	Fanconi anemia, complementation group E	Nucleus	other
2.460	227072_at	RTTN	RNA polymerase II associated protein 3	Unknown	enzyme
2.463	34726_at	CACNB3	v-myb myeloblastosis viral oncogene homolog (avian)-like 2	Nucleus	transcription regulator
2.466	222040_at	HNRNPA1	meiotic nuclear divisions 1 homolog (<i>S. cerevisiae</i>)	Nucleus	other
2.466	213520_at	RECQL4	rotatin	Unknown	other
2.467	209056_s_at	CDC5L	calcium channel, voltage-dependent, beta 3 subunit	Plasma	
2.467	212898_at	KIAA0406	heterogeneous nuclear ribonucleoprotein A1	Membrane	ion channel
2.467	220459_at	MCM3APAS	RecQ protein-like 4	Nucleus	other
2.471	205165_at	SLC26A6	CDC5 cell division cycle 5-like (<i>S. pombe</i>)	Nucleus	other
2.475	236550_s_at	ZNF311	KIAA0406	Unknown	other
2.479	235482_at	LOC400960	MCM3AP antisense RNA (non-protein coding)	Unknown	other
2.479	206205_at	MPHOSPH9	solute carrier family 26, member 6	Cytoplasm	transporter
2.480	209043_at	PAPSS1 (includes EG:9061)	zinc finger protein 311	Unknown	other
2.485	202978_s_at	CREBZF	hypothetical gene supported by BC040598	Unknown	other
2.489	208644_at	PARP1	M-phase phosphoprotein 9	Cytoplasm	other
2.495	1554264_at	CKAP2	3'-phosphoadenosine 5'-phosphosulfate synthase 1	Cytoplasm	enzyme
2.498	219544_at	C13ORF34	CREB/ATF bZIP transcription factor	Nucleus	regulator
			poly (ADP-ribose) polymerase 1	Nucleus	enzyme
			cytoskeleton associated protein 2	Cytoplasm	other
			chromosome 13 open reading frame 34	Unknown	other

2.500	209104_s_at	NHP2	NHP2 ribonucleoprotein homolog (yeast)	Nucleus	other
2.502	219660_s_at	ATP8A2	ATPase, aminophospholipid transporter-like, class I, type 8A, member 2	Plasma Membrane	transporter
2.503	201826_s_at	SCCPDH	saccharopine dehydrogenase (putative)	Cytoplasm	other
2.503	225835_at	SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	Plasma Membrane	transporter
2.505	230896_at	BEND4	BEN domain containing 4	Unknown	other
2.510	221761_at	ADSS	adenylosuccinate synthase	Cytoplasm	enzyme
2.510	219060_at	WDYHV1	WDYHV motif containing 1	Unknown	other
2.510	229817_at	ZNF608	zinc finger protein 608	Unknown	other
2.511	212320_at	TUBB	tubulin, beta	Cytoplasm	other
2.517	226135_at	UHRF1BP1	UHRF1 binding protein 1	Unknown	other
2.518	215942_s_at	GTSE1	G-2 and S-phase expressed 1	Cytoplasm	other
2.520	230166_at	KIAA1958	KIAA1958	Unknown	other
2.524	205061_s_at	EXOSC9	exosome component 9	Nucleus Plasma	enzyme
2.524	211700_s_at	TRO	trophinin	Membrane	other
2.529	230650_at	SLCO5A1	solute carrier organic anion transporter family, member 5A1	Unknown	transporter
2.530	210410_s_at	MSH5	mutS homolog 5 (E. coli)	Nucleus	other
2.531	222250_s_at	INTS7	integrator complex subunit 7	Unknown	other
2.531	213009_s_at	TRIM37	tripartite motif-containing 37	Cytoplasm	other
2.531	219495_s_at	ZNF180	zinc finger protein 180	Nucleus	transcription regulator
2.538	225295_at	SLC39A10	solute carrier family 39 (zinc transporter), member 10	Unknown Plasma	transporter
2.539	219302_s_at	CNTNAP2	contactin associated protein-like 2 SUMO1 activating enzyme subunit 1	Membrane	other
2.544	217946_s_at	SAE1	SAE1	Cytoplasm	enzyme
2.548	205956_x_at	PSMC3IP	PSMC3 interacting protein	Nucleus	other
2.550	205967_at	HIST4H4 (includes EG:121504)	histone cluster 4, H4	Nucleus	other
2.553	200934_at	DEK	DEK oncogene	Nucleus	transcription regulator
2.556	207455_at	P2RY1	purinergic receptor P2Y, G-protein coupled, 1	Plasma Membrane	G-protein coupled receptor
2.558	205747_at	CBLN1	cerebellin 1 precursor	Cytoplasm	other
2.559	218399_s_at	CDCA4	cell division cycle associated 4	Nucleus	other
2.560	203692_s_at	E2F3	E2F transcription factor 3	Nucleus	transcription regulator
2.560	233852_at	POLH	polymerase (DNA directed), eta	Nucleus	enzyme
2.561	228563_at	GJC1	gap junction protein, gamma 1, 45kDa	Plasma Membrane	transporter
2.563	235457_at	MAML2	mastermind-like 2 (Drosophila)	Nucleus	transcription regulator
2.566	210124_x_at	SEMA4F	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F	Plasma Membrane	other
2.569	202127_at	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	Nucleus	kinase
2.570	214700_x_at	RIF1	RAP1 interacting factor homolog (yeast)	Nucleus	other
2.575	202483_s_at	RANBP1	RAN binding protein 1	Nucleus	other
2.576	205775_at	FAM50B (includes EG:26240)	family with sequence similarity 50, member B	Unknown	other
2.578	202179_at	BLMH	bleomycin hydrolase	Cytoplasm	peptidase

2.580	228069_at	FAM54A	family with sequence similarity 54, member A	Unknown	other
2.585	219361_s_at	AEN	apoptosis enhancing nuclease	Unknown	enzyme
2.586	227966_s_at	CCDC74A (includes EG:90557)	coiled-coil domain containing 74A	Unknown	other
2.591	204799_at	ZBED4	zinc finger, BED-type containing 4	Nucleus	other
2.593	226689_at	CISD2	CDGSH iron sulfur domain 2	Unknown	other
2.599	201476_s_at	RRM1 (includes EG:6240)	ribonucleotide reductase M1 heterogeneous nuclear	Nucleus	enzyme
2.600	201277_s_at	HNRNPAB	ribonucleoprotein A/B	Nucleus	enzyme
2.603	235587_at	LOC202781	hypothetical protein LOC202781 missing oocyte, meiosis regulator,	Unknown	other
2.603	211724_x_at	MIOS	homolog (Drosophila)	Unknown	other
2.609	203160_s_at	RNF8	ring finger protein 8 chromosome 6 open reading frame	Nucleus	enzyme
2.610	218874_s_at	C6ORF134	134	Unknown	other
2.610	242283_at	DNAH14	dynein, axonemal, heavy chain 14	Unknown	other
2.613	222735_at	TMEM38B	transmembrane protein 38B	Nucleus	other
2.614	37577_at	ARHGAP19	Rho GTPase activating protein 19	Unknown	other
2.617	219311_at	CEP76	centrosomal protein 76kDa	Cytoplasm	other
2.618	230005_at	SVIP (includes EG:258010)	small VCP/p97-interacting protein	Cytoplasm	other
2.623	209218_at	SQLE	squalene epoxidase	Cytoplasm	enzyme
2.624	215045_at	TNRC4	trinucleotide repeat containing 4	Nucleus	regulator
2.625	206273_at	SLMO1	slowmo homolog 1 (Drosophila)	Unknown	other
2.627	225707_at	ARL6IP6	ADP-ribosylation-like factor 6 interacting protein 6	Unknown	other
2.637	219004_s_at	C21ORF45	chromosome 21 open reading frame 45	Unknown	other
2.641	244324_at	C18ORF54	chromosome 18 open reading frame 54 prematurely terminated mRNA	Extracellular Space	other
2.642	228859_at	LOC91431	decay factor-like	Unknown	other
2.649	219530_at	PALB2	partner and localizer of BRCA2	Unknown	other
2.652	238990_x_at	TRIM61	tripartite motif-containing 61	Unknown	other
2.659	218827_s_at	CEP192	centrosomal protein 192kDa	Unknown	other
2.660	212348_s_at	KDM1	lysine (K)-specific demethylase 1 regulator of chromosome condensation (RCC1) and BTB	Nucleus	other
2.664	218352_at	RCBTB1	(POZ) domain containing protein 1	Nucleus	other
2.665	212820_at	DMXL2	Dmx-like 2	Cytoplasm	other
2.665	225047_at	NUPL1	nucleoporin like 1	Nucleus	transporter
2.667	219372_at	IFT81	intraflagellar transport 81 homolog (Chlamydomonas)	Unknown	other
2.667	242328_at	RAB3C	RAB3C, member RAS oncogene family	Cytoplasm	enzyme
2.669	219303_at	RNF219	ring finger protein 219	Unknown	other
2.672	218161_s_at	CLN6	ceroid-lipofuscinosis, neuronal 6, late infantile, variant	Cytoplasm	other
2.676	227019_at	C1ORF226	chromosome 1 open reading frame 226	Unknown	other
2.682	215380_s_at	GGCT	gamma-glutamyl cyclotransferase	Unknown	other
2.682	224610_at	SNHG1	small nucleolar RNA host gene 1 (non-protein coding)	Unknown	other
2.688	209464_at	AURKB	aurora kinase B	Nucleus	kinase
2.698	227145_at	LOXL4	lysyl oxidase-like 4	Extracellular Space	enzyme
2.699	219076_s_at	PXMP2	peroxisomal membrane protein 2,	Cytoplasm	other

2.699	209372_x_at	TUBB2B	22kDa tubulin, beta 2B	Cytoplasm	other
2.701	203680_at	PRKAR2B	protein kinase, cAMP-dependent, regulatory, type II, beta	Cytoplasm	kinase
2.701	219499_at	SEC61A2	Sec61 alpha 2 subunit (S. cerevisiae)	Cytoplasm	transporter
2.701	232033_at	USP37 (includes EG:57695)	ubiquitin specific peptidase 37	Nucleus	peptidase
2.702	218080_x_at	FAF1	Fas (TNFRSF6) associated factor 1	Nucleus	other
2.704	212966_at	HIC2	hypermethylated in cancer 2	Nucleus	other
2.705	207719_x_at	CEP170	centrosomal protein 170kDa	Nucleus	other
2.709	235089_at	FBXL20	F-box and leucine-rich repeat protein 20	Cytoplasm	enzyme transcription
2.709	203297_s_at	JARID2	jumonji, AT rich interactive domain 2 AT rich interactive domain 2 (ARID, RFX-like)	Nucleus	regulator transcription
2.711	225486_at	ARID2		Nucleus	regulator
2.711	241360_at	CCDC15	coiled-coil domain containing 15 ring finger protein, transmembrane 2	Unknown	other
2.712	221909_at	RNFT2	chromosome 6 open reading frame 173	Unknown	other
2.714	226936_at	C6ORF173	AT hook containing transcription factor 1	Nucleus	regulator transcription
2.715	226115_at	AHCTF1	far upstream element (FUSE)	Nucleus	transcription regulator
2.716	212847_at	FUBP1	binding protein 1	Nucleus	regulator
2.718	208798_x_at	GOLGA8A	golgi autoantigen, golgin subfamily a, 8A	Cytoplasm	other
2.719	224521_s_at	CCDC77	coiled-coil domain containing 77	Unknown	other
2.722	228774_at	CEP78	centrosomal protein 78kDa	Unknown	other
2.727	217755_at	HN1	hematological and neurological expressed 1	Nucleus	other
2.729	213534_s_at	PASK	PAS domain containing serine/threonine kinase	Cytoplasm	kinase
2.748	226528_at	MTX3 (includes EG:345778)	metaxin 3	Unknown	other
2.755	209832_s_at	CDT1	chromatin licensing and DNA replication factor 1	Nucleus	other
2.759	202487_s_at	H2AFV (includes EG:94239)	H2A histone family, member V	Nucleus	other
2.760	224320_s_at	MCM8	minichromosome maintenance complex component 8	Nucleus	enzyme
2.764	202078_at	COPS3	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cytoplasm	other
2.766	201558_at	RAE1	RAE1 RNA export 1 homolog (S. pombe)	Nucleus	other
2.766	228820_at	XPNPEP3	X-prolyl aminopeptidase	Unknown	peptidase
2.767	242592_at	GPR137C (includes EG:283554)	(aminopeptidase P) 3, putative	Unknown	other
2.771	227165_at	C13ORF3	G protein-coupled receptor 137C chromosome 13 open reading frame 3	Unknown	other
2.776	223651_x_at	CDC23 (includes EG:8697)	cell division cycle 23 homolog (S. cerevisiae)	Nucleus	enzyme
2.780	226004_at	CABLES2	Cdk5 and Abl enzyme substrate 2	Unknown	other
2.783	226753_at	FAM76B	family with sequence similarity 76, member B	Unknown	other
2.789	210054_at	HAUS3	HAUS augmin-like complex, subunit 3	Unknown	other
2.791	207267_s_at	DSCR6	Down syndrome critical region gene 6	Unknown	other
2.793	219650_at	ERCC6L	excision repair cross-	Nucleus	other

			complementing rodent repair deficiency, complementation group 6-like		
2.793	218294_s_at	NUP50	nucleoporin 50kDa	Nucleus	transporter
2.795	204826_at	CCNF	cyclin F	Nucleus	other
2.796	1555935_s_at	HUNK	hormonally up-regulated Neu-associated kinase	Cytoplasm	kinase
2.796	219882_at	TLL7	tubulin tyrosine ligase-like family, member 7	Plasma	other
2.799	1558819_at	LOC100131819	similar to hCG1778814	Membrane	other
2.799	203625_x_at	SKP2	S-phase kinase-associated protein 2 (p45)	Unknown	other
2.805	220865_s_at	PDSS1	prenyl (decaprenyl) diphosphate synthase, subunit 1	Nucleus	enzyme
2.805	213676_at	TMEM151B	transmembrane protein 151B	Unknown	other
2.805	219123_at	ZNF232	zinc finger protein 232	Nucleus	other
2.808	223257_at	G2E3	G2/M-phase specific E3 ubiquitin ligase	Unknown	enzyme
2.811	244660_at	ELAVL1	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)	Cytoplasm	other
2.811	214431_at	GMPS	guanine monphosphate synthetase	Nucleus	enzyme
2.811	200636_s_at	PTPRF	protein tyrosine phosphatase, receptor type, F	Plasma	phosphatase
2.811	202396_at	TCERG1	transcription elongation regulator 1	Membrane	transcription regulator
2.813	226121_at	DHRS13	dehydrogenase/reductase (SDR family) member 13	Nucleus	enzyme
2.816	200593_s_at	HNRNPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	Unknown	transporter
2.817	1553713_a_at	RHEBL1	Ras homolog enriched in brain like 1	Nucleus	enzyme
2.819	223320_s_at	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	Unknown	transporter
2.822	203521_s_at	ZNF318 (includes EG:24149)	zinc finger protein 318	Cytoplasm	other
2.825	213346_at	C13ORF27	chromosome 13 open reading frame 27	Nucleus	other
2.828	232395_x_at	AGBL3	ATP/GTP binding protein-like 3	Unknown	other
2.832	212774_at	ZNF238	zinc finger protein 238	Unknown	transcription regulator
2.841	222140_s_at	GPR89A	G protein-coupled receptor 89A	Plasma	other
2.841	230755_at	RHBDL3	rhomboid, veinlet-like 3 (Drosophila)	Membrane	peptidase
2.853	219296_at	ZDHHC13	zinc finger, DHHC-type containing 13	Membrane	transcription regulator
2.854	207056_s_at	SLC4A8	solute carrier family 4, sodium bicarbonate cotransporter, member 8	Nucleus	transporter
2.855	228433_at	NFYA	nuclear transcription factor Y, alpha	Plasma	transcription regulator
2.856	226029_at	VANGL2	vang-like 2 (van gogh, Drosophila)	Membrane	other
2.857	226455_at	CREB3L4	cAMP responsive element binding protein 3-like 4	Unknown	transcription regulator
2.859	203806_s_at	FANCA	Fanconi anemia, complementation group A	Nucleus	other
2.866	219002_at	FASTKD1	FAST kinase domains 1	Unknown	other
2.867	232034_at	LOC203274	hypothetical protein LOC203274	Unknown	other
2.874	226630_at	C14ORF106	chromosome 14 open reading frame 106	Nucleus	other
2.874	226263_at	SNRNP48	small nuclear ribonucleoprotein	Nucleus	other

2.878	227270_at	LOC285550	48kDa (U11/U12) hypothetical protein LOC285550	Unknown	other
2.880	225081_s_at	CDCA7L	cell division cycle associated 7-like	Nucleus Plasma	other
2.882	208963_x_at	FADS1	fatty acid desaturase 1	Membrane	enzyme
2.883	200875_s_at	NOP56	NOP56 ribonucleoprotein homolog (yeast)	Nucleus	other
2.884	239002_at	ASPM	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Nucleus	other
2.886	200790_at	ODC1	ornithine decarboxylase 1	Cytoplasm	enzyme
2.891	218788_s_at	SMYD3	SET and MYND domain containing 3	Nucleus	other
2.893	203344_s_at	RBBP8	retinoblastoma binding protein 8	Nucleus	other
2.897	226934_at	CPSF6	cleavage and polyadenylation specific factor 6, 68kDa	Nucleus	other
2.910	1552619_a_at	ANLN	anillin, actin binding protein	Cytoplasm	other
2.913	218741_at	CENPM	centromere protein M	Cytoplasm	other
2.915	203580_s_at	SLC7A6	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Plasma Membrane	transporter
2.916	202097_at	NUP153	nucleoporin 153kDa	Nucleus	transporter
2.921	219481_at	TTC13	tetratricopeptide repeat domain 13	Unknown	other
2.926	219668_at	GDAP1L1	ganglioside-induced differentiation- associated protein 1-like 1	Unknown	other
2.930	228788_at	YPEL1	yippee-like 1 (Drosophila)	Nucleus	enzyme
2.931	209680_s_at	KIFC1	kinesin family member C1	Nucleus	other
2.934	201697_s_at	DNMT1	DNA (cytosine-5)- methyltransferase 1	Nucleus	enzyme
2.940	242915_at	ZNF682	zinc finger protein 682	Nucleus	other
2.943	226464_at	C3ORF58	chromosome 3 open reading frame 58	Unknown	other
2.943	235644_at	CCDC138	coiled-coil domain containing 138	Unknown	other
2.951	201013_s_at	PAICS	phosphoribosylaminoimidazole succinocarboxamide synthetase	Unknown	enzyme transcriptio
2.954	203177_x_at	TFAM	transcription factor A, mitochondrial	Cytoplasm	regulator
2.961	202193_at	LIMK2	LIM domain kinase 2	Cytoplasm	kinase
2.971	241682_at	KLHL23	kelch-like 23 (Drosophila)	Unknown	other
2.978	225614_at	SAAL1	serum amyloid A-like 1	Unknown	other transcriptio
2.981	204391_x_at	TRIM24	tripartite motif-containing 24	Nucleus	regulator
2.986	226912_at	ZDHHC23	zinc finger, DHHC-type containing 23	Unknown	other
2.987	206186_at	MPP3	membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3)	Plasma Membrane	kinase transcriptio
2.987	205253_at	PBX1	pre-B-cell leukemia homeobox 1	Nucleus	regulator
3.000	234464_s_at	EME1	essential meiotic endonuclease 1	Nucleus	other
3.000	225100_at	FBXO45	homolog 1 (S. pombe)	Unknown	other
3.009	244640_at	LOC342892	F-box protein 45	Unknown	other
3.011	218102_at	DERA	zinc finger protein 850 pseudogene 2-deoxyribose-5-phosphate	Unknown	enzyme
3.011	222803_at	PRTFDC1	aldolase homolog (C. elegans) phosphoribosyl transferase domain containing 1	Unknown	enzyme transcriptio
3.011	226320_at	THOC4	THO complex 4	Nucleus	regulator
3.012	231808_at	LOC729082	hypothetical protein LOC729082	Unknown	other

3.014	234978_at	SLC36A4	solute carrier family 36 (proton/amino acid symporter), member 4	Unknown	transporter
3.018	231810_at	BRI3BP	BRI3 binding protein	Unknown	other
3.024	210572_at	PCDHA2	protocadherin alpha 2	Membrane	other
3.027	218557_at	NIT2	nitrilase family, member 2	Cytoplasm	enzyme
3.028	235266_at	ATAD2	ATPase family, AAA domain containing 2	Nucleus	other
3.029	1554057_at	LOC645676	hypothetical LOC645676	Unknown	other
3.030	235476_at	TRIM59	tripartite motif-containing 59	Unknown	other
3.035	212976_at	LRRC8B	leucine rich repeat containing 8 family, member B	Unknown	other
3.043	1564651_at	LOC221710	hypothetical protein LOC221710	Unknown	other transcription
3.047	235170_at	ZNF92	zinc finger protein 92	Nucleus	regulator
3.049	225310_at	RBMX	RNA binding motif protein, X-linked	Nucleus	other
3.053	1553113_s_at	CDK8	cyclin-dependent kinase 8	Nucleus	kinase
3.059	238977_at	MCM6	minichromosome maintenance complex component 6	Nucleus	enzyme
3.069	201518_at	CBX1	chromobox homolog 1 (HP1 beta homolog Drosophila)	Nucleus	other transcription
3.073	201833_at	HDAC2	histone deacetylase 2	Nucleus	regulator
3.078	223530_at	TDRKH	tudor and KH domain containing nurim (nuclear envelope membrane protein)	Unknown	other
3.079	225592_at	NRM	asparaginase like 1	Nucleus	other
3.082	218857_s_at	ASRGL1	mannosidase, endo-alpha	Cytoplasm	enzyme
3.082	219003_s_at	MANEA	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	Unknown	enzyme
3.114	203422_at	POLD1		Nucleus	enzyme
3.127	213217_at	ADCY2	adenylate cyclase 2 (brain)	Plasma	enzyme
3.135	219740_at	VASH2	vasohibin 2 Wolf-Hirschhorn syndrome candidate 1	Membrane	enzyme
3.148	209054_s_at	WHSC1	retinoblastoma-like 1 (p107)	Unknown	other
3.151	205296_at	RBL1	fibrillarin-like 1	Nucleus	other
3.153	244071_at	LOC345630	CP110 protein	Unknown	other
3.159	204662_at	CP110		Cytoplasm	other
3.171	226747_at	TXNDC16	thioredoxin domain containing 16 chromosome 9 open reading frame 40	Unknown	enzyme
3.172	222781_s_at	C9ORF40		Unknown	other
3.188	230534_at	ZNF678	zinc finger protein 678	Nucleus	other
3.203	223266_at	STRADB	STE20-related kinase adaptor beta	Cytoplasm	kinase transcription
3.215	208808_s_at	HMGB2	high-mobility group box 2 dihydrolipoamide S- acetyltransferase	Nucleus	regulator
3.216	211150_s_at	DLAT	family with sequence similarity 102, member B	Cytoplasm	enzyme
3.217	226568_at	FAM102B		Unknown	other
3.218	218738_s_at	RNF138	ring finger protein 138 non-SMC condensin I complex, subunit H	Unknown	other
3.223	212949_at	NCAPH		Nucleus	other
3.223	228981_at	TMEM169	transmembrane protein 169 chromosome 4 open reading frame 43	Unknown	other
3.225	218513_at	C4ORF43		Unknown	other
3.242	223313_s_at	MAGED4B	melanoma antigen family D, 4B	Unknown	other
3.243	209849_s_at	RAD51C	RAD51 homolog C (S. cerevisiae) chromatin assembly factor 1, subunit B (p60)	Nucleus	enzyme
3.253	204775_at	CHAF1B		Nucleus	other
3.266	1558217_at	SLFN13	schlafen family member 13	Nucleus	enzyme

3.273	226750_at	LARP1B	La ribonucleoprotein domain family, member 1B	Unknown	other
3.283	239295_at	SRRP35	serine-arginine repressor protein (35 kDa)	Nucleus	other
3.295	1556064_at	LOC284926	hypothetical protein LOC284926	Unknown	other
3.327	200903_s_at	AHCY	S-adenosylhomocysteine hydrolase DnaJ (Hsp40) homolog, subfamily C, member 9	Cytoplasm	enzyme
3.337	213088_s_at	DNAJC9		Unknown	other
3.338	226118_at	CENPO	centromere protein O	Unknown	other
3.339	224715_at	WDR34	WD repeat domain 34	Unknown	other transcription
3.343	209657_s_at	HSF2	heat shock transcription factor 2	Nucleus	regulator
3.347	218599_at	REC8	REC8 homolog (yeast)	Nucleus	other
3.354	203968_s_at	CDC6	cell division cycle 6 homolog (S. cerevisiae)	Nucleus	other
3.354	224753_at	CDCA5	cell division cycle associated 5	Cytoplasm	other
3.355	244189_at	LOC284900	hypothetical LOC284900	Unknown	other
3.356	219855_at	NUDT11	nudix (nucleoside diphosphate linked moiety X)-type motif 11	Cytoplasm	phosphatas
3.362	216952_s_at	LMNB2	lamin B2	Nucleus	other
3.363	205543_at	HSPA4L	heat shock 70kDa protein 4-like	Cytoplasm	other
3.368	203276_at	LMNB1	lamin B1	Nucleus	other
3.369	1555772_a_at	CDC25A	cell division cycle 25 homolog A (S. pombe)	Nucleus	phosphatas
3.371	209692_at	EYA2	eyes absent homolog 2 (Drosophila)	Nucleus	phosphatas transcription
3.374	224326_s_at	PCGF6	polycomb group ring finger 6	Nucleus	regulator
3.375	229886_at	C5ORF34	chromosome 5 open reading frame 34	Unknown Plasma	other
3.377	239884_at	CADPS	Ca ⁺⁺ -dependent secretion activator	Membrane	other
3.379	229718_at	N4BP2L1	NEDD4 binding protein 2-like 1	Unknown	other
3.384	214785_at	VPS13A	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Cytoplasm	transporter
3.386	209198_s_at	SYT11	synaptotagmin XI	Cytoplasm	transporter
3.392	202633_at	TOPBP1	topoisomerase (DNA) II binding protein 1	Nucleus	other
3.394	235572_at	SPC24	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae)	Unknown	other
3.397	227870_at	IGDCC4	immunoglobulin superfamily, DCC subclass, member 4	Unknown	other
3.399	204521_at	C12ORF24	chromosome 12 open reading frame 24	Unknown	other
3.402	201589_at	SMC1A	structural maintenance of chromosomes 1A	Nucleus	transporter
3.412	205268_s_at	ADD2	adducin 2 (beta)	Cytoplasm	other transcription
3.416	235970_at	LCORL	ligand dependent nuclear receptor corepressor-like	Nucleus	regulator
3.420	204887_s_at	PLK4	polo-like kinase 4 (Drosophila)	Cytoplasm	kinase
3.420	209259_s_at	SMC3	structural maintenance of chromosomes 3	Nucleus	other
3.429	214221_at	ALMS1	Alstrom syndrome 1	Cytoplasm	other
3.435	210387_at	HIST1H2BI	histone cluster 1, H2bi	Unknown	other
3.439	219510_at	POLQ	polymerase (DNA directed), theta	Nucleus	enzyme
3.445	204817_at	ESPL1	extra spindle pole bodies homolog 1 (S. cerevisiae)	Nucleus	peptidase
3.451	231146_at	FAM24B	family with sequence similarity 24, member B	Unknown	other
3.453	232037_at	IGDCC3	immunoglobulin superfamily, DCC	Plasma	other

3.464	205024_s_at	RAD51	subclass, member 3 RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)	Membrane Nucleus	enzyme
3.475	208694_at	PRKDC	protein kinase, DNA-activated, catalytic polypeptide	Nucleus	kinase
3.497	213372_at	PAQR3	progesterin and adipoQ receptor family member III	Cytoplasm	other
3.499	224448_s_at	C6ORF125	chromosome 6 open reading frame 125	Unknown	other
3.514	226431_at	FAM117B	family with sequence similarity 117, member B	Unknown	other
3.520	228073_at	NANP	N-acetylneuraminic acid phosphatase	Unknown	enzyme
3.522	212825_at	PAXIP1	PAX interacting (with transcription-activation domain) protein 1	Nucleus Plasma	other
3.531	209238_at	STX3	syntaxin 3	Membrane	transporter
3.533	221258_s_at	KIF18A	kinesin family member 18A	Cytoplasm	other
3.533	218538_s_at	MRS2	MRS2 magnesium homeostasis factor homolog (S. cerevisiae)	Cytoplasm	transporter
3.534	201774_s_at	NCAPD2	non-SMC condensin I complex, subunit D2	Nucleus	other
3.537	206507_at	ZSCAN12	zinc finger and SCAN domain containing 12	Nucleus	transcription regulator
3.541	227936_at	TMEM68	transmembrane protein 68	Unknown	other
3.553	213134_x_at	BTG3	BTG family, member 3	Nucleus	other
3.558	206613_s_at	TAF1A	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa	Nucleus	transcription regulator
3.562	236852_at	FBXO43	F-box protein 43	Unknown	other
3.569	213412_at	TJP3	tight junction protein 3 (zona occludens 3)	Plasma Membrane	other
3.586	240425_x_at	ROBO2	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Plasma Membrane	transmembrane receptor
3.592	226661_at	CDCA2	cell division cycle associated 2	Nucleus	other
3.596	225601_at	HMGB3	high-mobility group box 3	Nucleus	other
3.599	214806_at	BICD1	bicaudal D homolog 1 (Drosophila)	Cytoplasm	other
3.606	228280_at	ZC3HAV1L	zinc finger CCCH-type, antiviral 1-like	Unknown	other
3.609	201088_at	KPNA2	karyopherin alpha 2 (RAG cohort 1, importin alpha 1)	Nucleus	transporter
3.621	227688_at	LRCH2	leucine-rich repeats and calponin homology (CH) domain containing 2	Unknown	other
3.626	236429_at	ZNF83	zinc finger protein 83	Nucleus	transcription regulator
3.627	215215_s_at	LOC81691	exonuclease NEF-sp	Nucleus	enzyme
3.629	208955_at	DUT (includes EG:1854)	deoxyuridine triphosphatase	Nucleus	enzyme
3.632	229477_at	THRSP	thyroid hormone responsive (SPOT14 homolog, rat)	Nucleus	other
3.638	203087_s_at	KIF2A	kinesin heavy chain member 2A	Cytoplasm	other
3.639	230060_at	CDCA7	cell division cycle associated 7	Nucleus	other
3.639	220147_s_at	FAM60A (includes EG:58516)	family with sequence similarity 60, member A	Extracellular Space	other
3.643	203418_at	CCNA2	cyclin A2	Nucleus	other
3.651	211200_s_at	EFCAB2	EF-hand calcium binding domain 2	Unknown	other
3.669	205807_s_at	TUFT1	tuftelin 1	Extracellular Space	other
3.672	222037_at	MCM4	minichromosome maintenance complex component 4	Nucleus	enzyme

3.677	204558_at	RAD54L	RAD54-like (<i>S. cerevisiae</i>)	Nucleus	enzyme
3.684	214804_at	CENPI	centromere protein I	Nucleus	other
3.685	239413_at	CEP152	centrosomal protein 152kDa	Cytoplasm	other
3.687	228906_at	TET1	tet oncogene 1	Nucleus	other
3.688	204798_at	MYB (includes EG:4602)	v-myb myeloblastosis viral oncogene homolog (avian)	Nucleus	transcription regulator
3.688	1554507_at	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2	Plasma Membrane	peptidase
3.693	231772_x_at	CENPH (includes EG:64946)	centromere protein H	Nucleus	other
3.705	227687_at	HYLS1	hydrolethals syndrome 1	Unknown	other
3.705	240419_at	SLC6A15	solute carrier family 6 (neutral amino acid transporter), member 15	Plasma Membrane	transporter
3.720	215307_at	ZNF529	zinc finger protein 529	Unknown	other
3.732	212789_at	NCAPD3	non-SMC condensin II complex, subunit D3	Nucleus	other
3.741	219439_at	C1GALT1	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	Extracellular Space	enzyme
3.744	203409_at	DDB2	damage-specific DNA binding protein 2, 48kDa	Nucleus	other
3.744	204256_at	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	Cytoplasm	enzyme transcription regulator
3.747	228361_at	E2F2	E2F transcription factor 2	Nucleus	regulator
3.750	235542_at	TET3	tet oncogene family member 3	Unknown	other
3.767	211718_at	MGC2889	hypothetical protein MGC2889	Unknown	other
3.784	218897_at	TMEM177	transmembrane protein 177	Unknown	other
3.790	205676_at	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	Cytoplasm	enzyme
3.796	201755_at	MCM5	minichromosome maintenance complex component 5	Nucleus	enzyme
3.800	213452_at	ZNF184	zinc finger protein 184	Nucleus	other
3.803	227705_at	TCEAL7	transcription elongation factor A (SII)-like 7	Unknown	other
3.812	223358_s_at	PDE7A	phosphodiesterase 7A	Cytoplasm	enzyme transcription regulator
3.814	223513_at	CENPJ	centromere protein J	Nucleus	regulator
3.816	224944_at	TMPO	thymopoietin	Nucleus	other
3.819	241399_at	FAM19A2	family with sequence similarity 19 (chemokine (C-C motif)-like), member A2	Cytoplasm	other
3.827	212021_s_at	MKI67	antigen identified by monoclonal antibody Ki-67	Nucleus	other
3.861	231725_at	PCDHB2	protocadherin beta 2	Plasma Membrane	other
3.864	214283_at	TMEM97	transmembrane protein 97	Extracellular Space	other
3.869	238756_at	GAS2L3	growth arrest-specific 2 like 3	Unknown	other
3.871	237131_at	C1ORF230	chromosome 1 open reading frame 230	Unknown	other
3.875	205240_at	GPSM2	G-protein signaling modulator 2 (AGS3-like, <i>C. elegans</i>)	Nucleus	other
3.897	201202_at	PCNA	proliferating cell nuclear antigen	Nucleus	other
3.910	222889_at	DCLRE1B	DNA cross-link repair 1B (PSO2 homolog, <i>S. cerevisiae</i>)	Nucleus	other
3.928	227818_at	CCDC21	coiled-coil domain containing 21	Unknown	other
3.933	234863_x_at	FBXO5	F-box protein 5	Nucleus	enzyme
3.946	210053_at	TAF5	TAF5 RNA polymerase II, TATA box	Nucleus	transcription

			binding protein (TBP)-associated factor, 100kDa		regulator
3.963	204033_at	TRIP13	thyroid hormone receptor interactor 13	Cytoplasm	transcription regulator
3.969	218308_at	TACC3	transforming, acidic coiled-coil containing protein 3	Nucleus	other
3.977	207877_s_at	NVL	nuclear VCP-like fibronectin type III and SPRY domain containing 1	Nucleus	other
3.984	219170_at	FSD1	domain containing 1	Cytoplasm	other
3.986	227349_at	HELLS	helicase, lymphoid-specific solute carrier family 1 (glial high affinity glutamate transporter), member 2	Nucleus	enzyme
3.993	208389_s_at	SLC1A2	chromosome 4 open reading frame 46	Plasma Membrane	transporter
3.996	238015_at	C4ORF46	46	Unknown	other
4.000	227911_at	ARHGAP28	Rho GTPase activating protein 28 deleted in lymphocytic leukemia 2 (non-protein coding)	Unknown	other
4.003	216870_x_at	DLEU2		Unknown	other
4.012	222201_s_at	CASP8AP2	caspace 8 associated protein 2	Nucleus	transcription regulator
4.017	234192_s_at	GKAP1	G kinase anchoring protein 1 suppressor of variegation 3-9 homolog 2 (Drosophila)	Cytoplasm	other
4.024	1554572_a_at	SUV39H2	homolog 2 (Drosophila)	Nucleus	transcription regulator
4.029	226670_s_at	PABPC1L (includes EG:80336)	poly(A) binding protein, cytoplasmic 1-like	Unknown	other
4.032	219676_at	ZSCAN16	zinc finger and SCAN domain containing 16	Nucleus	transcription regulator
4.055	232352_at	ISL2	ISL LIM homeobox 2	Nucleus	transcription regulator
4.072	204566_at	PPM1D	protein phosphatase 1D magnesium-dependent, delta isoform	Cytoplasm	phosphatase
4.090	222906_at	FLVCR1	feline leukemia virus subgroup C cellular receptor 1	Plasma Membrane	transporter
4.090	206550_s_at	NUP155	nucleoporin 155kDa	Nucleus	transporter
4.123	205733_at	BLM	Bloom syndrome, RecQ helicase-like	Nucleus	enzyme
4.126	204126_s_at	CDC45L	CDC45 cell division cycle 45-like (S. cerevisiae)	Nucleus	other
4.136	202911_at	MSH6	mutS homolog 6 (E. coli)	Nucleus	enzyme
4.148	229097_at	DIAPH3	diaphanous homolog 3 (Drosophila)	Cytoplasm	enzyme
4.176	218979_at	RMI1	RMI1, RecQ mediated genome instability 1, homolog (S. cerevisiae)	Nucleus	other
4.183	241986_at	BMPER	BMP binding endothelial regulator	Extracellular Space	other
4.195	226615_at	XPR1	xenotropic and polytropic retrovirus receptor	Plasma Membrane	G-protein coupled receptor
4.211	219000_s_at	DSCC1	defective in sister chromatid cohesion 1 homolog (S. cerevisiae)	Unknown	other
4.215	235798_at	TMEM170B	transmembrane protein 170B	Unknown	other
4.222	218397_at	FANCL	Fanconi anemia, complementation group L	Nucleus	other
4.224	201714_at	TUBG1	tubulin, gamma 1	Cytoplasm	other
4.227	219502_at	NEIL3	nei endonuclease VIII-like 3 (E. coli)	Nucleus	enzyme
4.240	203302_at	DCK	deoxycytidine kinase	Nucleus	kinase
4.242	244758_at	SCAND3	SCAN domain containing 3	Unknown	other
4.246	221935_s_at	C3ORF64	chromosome 3 open reading frame	Unknown	other

4.256	202726_at	LIG1	64 ligase I, DNA, ATP-dependent phosphatidylinositol-specific phospholipase C, X domain	Nucleus	enzyme
4.257	218951_s_at	PLCXD1	containing 1	Unknown	enzyme
4.259	1561985_at	C14ORF39	chromosome 14 open reading frame 39	Unknown	other
4.261	238075_at	CHEK1	CHK1 checkpoint homolog (S. pombe)	Nucleus	kinase
4.281	201664_at	SMC4	structural maintenance of chromosomes 4	Nucleus	transporter
4.300	1565951_s_at	CHML	choroideremia-like (Rab escort protein 2)	Cytoplasm	enzyme
4.305	209398_at	HIST1H1C	histone cluster 1, H1c	Nucleus	other
4.305	201795_at	LBR	lamin B receptor	Nucleus	enzyme
4.305	225485_at	TSGA14	testis specific, 14	Cytoplasm	other
4.348	244370_at	KIAA2022	KIAA2022	Unknown	other
4.356	213647_at	DNA2	DNA replication helicase 2 homolog (yeast)	Unknown	other
4.363	1554242_a_at	COCH	coagulation factor C homolog, cochlin (Limulus polyphemus)	Extracellular Space	other
4.380	219555_s_at	CENPN	centromere protein N	Unknown	other
4.390	201584_s_at	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	Nucleus	enzyme
4.404	215629_s_at	BCMSUNL	deleted in lymphocytic leukemia 2-like	Unknown	other
4.406	242292_at	CXORF50B	chromosome X open reading frame 50B	Unknown	other
4.409	204127_at	RFC3	replication factor C (activator 1) 3, 38kDa	Nucleus	enzyme
4.433	206074_s_at	HMGA1	high mobility group AT-hook 1 transcriptional adaptor 1 (HF11	Nucleus	transcription regulator
4.444	225455_at	TADA1L	homolog, yeast)-like	Unknown	other
4.447	1566257_at	LOC144874	hypothetical protein LOC144874	Unknown	other
4.452	218726_at	HJURP	Holliday junction recognition protein	Nucleus	other
4.459	203564_at	FANCG	Fanconi anemia, complementation group G	Nucleus	other
4.467	202532_s_at	DHFR	dihydrofolate reductase	Unknown	enzyme
4.474	202580_x_at	FOXM1	forkhead box M1	Nucleus	transcription regulator
4.482	221591_s_at	FAM64A	family with sequence similarity 64, member A	Unknown	other
4.494	217894_at	KCTD3	potassium channel tetramerisation domain containing 3	Unknown	ion channel
4.521	1560091_a_at	PHF21B	PHD finger protein 21B	Unknown	other
4.522	209433_s_at	PPAT	phosphoribosyl pyrophosphate amidotransferase	Cytoplasm	enzyme
4.522	205739_x_at	ZNF107	zinc finger protein 107	Nucleus	other
4.542	203069_at	SV2A	synaptic vesicle glycoprotein 2A	Cytoplasm	transporter
4.547	225297_at	HAUS1	HAUS augmin-like complex, subunit 1	Nucleus	other
4.555	211713_x_at	KIAA0101	KIAA0101	Nucleus	other
4.568	205046_at	CENPE	centromere protein E, 312kDa	Nucleus	other
4.570	227230_s_at	KIAA1211	KIAA1211	Unknown	other
4.570	202330_s_at	UNG	uracil-DNA glycosylase	Nucleus	enzyme
4.574	213599_at	OIP5	Opa interacting protein 5	Nucleus	other
4.581	217820_s_at	ENAH	enabled homolog (Drosophila)	Cytoplasm	other
4.581	222962_s_at	MCM10	minichromosome maintenance	Nucleus	other

4.588	218885_s_at	GALNT12	complex component 10 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12)	Cytoplasm	enzyme transcription
4.593	222772_at	MYEF2	myelin expression factor 2	Nucleus	regulator
4.606	231871_at	GPR180	G protein-coupled receptor 180	Unknown	other
4.634	227703_s_at	SYTL4	synaptotagmin-like 4	Cytoplasm	transporter
4.656	213253_at	SMC2	structural maintenance of chromosomes 2	Nucleus	transporter
4.695	231855_at	KIAA1524	KIAA1524	Cytoplasm	other
4.700	222843_at	FIGNL1	fidgetin-like 1	Unknown	enzyme ligand- dependent nuclear receptor
4.700	228716_at	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb- a) oncogene homolog 2, avian)	Nucleus	receptor
4.736	214051_at	TMSB15A (includes EG:11013)	thymosin beta 15a	Cytoplasm	other
4.750	229700_at	LOC148203	zinc finger protein 738	Unknown	other
4.768	221035_s_at	TEX14	testis expressed 14	Plasma	kinase
4.819	201761_at	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	Membrane	enzyme
4.864	221520_s_at	CDCA8	cell division cycle associated 8	Cytoplasm	other
4.881	219225_at	PGBD5	piggyBac transposable element derived 5	Unknown	other
4.897	235113_at	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	Unknown	enzyme
4.978	204285_s_at	PMAIP1	phorbol-12-myristate-13-acetate- induced protein 1	Cytoplasm	other
4.979	204483_at	ENO3	enolase 3 (beta, muscle)	Cytoplasm	enzyme
4.979	229304_s_at	MLF1IP	MLF1 interacting protein	Nucleus	other
4.988	205637_s_at	SH3GL3	SH3-domain GRB2-like 3	Cytoplasm	other
5.047	203022_at	RNASEH2A	ribonuclease H2, subunit A	Nucleus	enzyme
5.054	1555758_a_at	CDKN3	cyclin-dependent kinase inhibitor 3	Nucleus	phosphatas
5.055	228468_at	MASTL	microtubule associated serine/threonine kinase-like	Unknown	kinase transcriptio
5.061	223542_at	ANKRD32	ankyrin repeat domain 32	Nucleus	regulator
5.062	228956_at	UGT8	UDP glycosyltransferase 8	Cytoplasm	enzyme
5.092	204768_s_at	FEN1	flap structure-specific endonuclease 1	Nucleus	enzyme
5.105	228654_at	SPIN4	spindlin family, member 4	Unknown	other
5.113	218683_at	PTBP2	polypyrimidine tract binding protein 2	Nucleus	other
5.115	218663_at	NCAPG (includes EG:64151)	non-SMC condensin I complex, subunit G	Nucleus	other
5.120	1555471_a_at	FMN2	formin 2	Unknown	other
5.130	209421_at	MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	Nucleus	enzyme
5.145	231869_at	KIAA1586	KIAA1586	Unknown	other
5.165	211071_s_at	MLLT11	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11	Unknown	other
5.166	239537_at	ST8SIA2	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2	Cytoplasm	enzyme
5.218	212621_at	TMEM194A	transmembrane protein 194A	Unknown	other
5.243	223753_s_at	CFC1	cripto, FRL-1, cryptic family 1		other

5.269	206316_s_at	KNTC1	kinetochore associated 1 chromosome 13 open reading frame	Extracellular Space Nucleus	other
5.272	225578_at	C13ORF37	37	Unknown	other
5.282	203856_at	VRK1	vaccinia related kinase 1	Nucleus	kinase
5.286	230660_at	SERTAD4	SERTA domain containing 4 cytoskeleton associated protein 2- like	Unknown	other
5.303	229610_at	CKAP2L	aurora kinase A	Unknown	other
5.326	204092_s_at	AURKA		Nucleus	kinase
5.329	1554696_s_at	TYMS	thymidylate synthetase SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae)	Nucleus	enzyme
5.342	209891_at	SPC25		Unknown	other
5.348	240236_at	STXBP5L	syntaxin binding protein 5-like	Cytoplasm	other transcriptio
5.392	205345_at	BARD1	BRCA1 associated RING domain 1	Nucleus	regulator
5.500	205449_at	SAC3D1	SAC3 domain containing 1 non-SMC condensin II complex, subunit G2	Nucleus	other
5.518	219588_s_at	NCAPG2	cell division cycle 25 homolog C (S. pombe)	Nucleus	phosphatas
5.543	205167_s_at	CDC25C	KIAA0895	Unknown	other
5.556	213424_at	KIAA0895	chromosome 15 open reading frame 23	Unknown	other
5.570	225300_at	C15ORF23	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	Cytoplasm	enzyme
5.593	216512_s_at	DCT	origin recognition complex, subunit 6 like (yeast)	Nucleus	other
5.627	219105_x_at	ORC6L	minichromosome maintenance complex component 7	Nucleus	enzyme
5.654	208795_s_at	MCM7	hyaluronan-mediated motility receptor (RHAMM)	Plasma Membrane	other
5.681	209709_s_at	HMMR	shugoshin-like 2 (S. pombe)	Nucleus	other
5.728	235425_at	SGOL2	F-box protein 11	Unknown	enzyme
5.767	219208_at	FBXO11	RNA binding motif protein 15 guanine nucleotide binding protein (G protein), gamma 4	Nucleus	other
5.827	228455_at	RBM15	centromere protein V	Plasma Membrane	enzyme
5.833	205184_at	GNG4	downstream neighbor of SON	Nucleus	other
5.869	226610_at	CENPV	X-linked Kx blood group (McLeod syndrome)	Unknown	other
5.899	221677_s_at	DONSON	NDC80 homolog, kinetochore complex component (S. cerevisiae)	Plasma Membrane	transporter
5.984	206698_at	XK	replication factor C (activator 1) 4, 37kDa	Nucleus	other
6.009	204162_at	NDC80	polymerase (DNA directed), epsilon 2 (p59 subunit)	Nucleus	enzyme
6.038	204023_at	RFC4	kinesin family member 14	Cytoplasm	other transcriptio
6.063	205909_at	POLE2	transcription factor 19	Nucleus	regulator
6.183	206364_at	KIF14	stathmin-like 2	Cytoplasm	other
6.208	223274_at	TCF19	EGF-like, fibronectin type III and laminin G domains	Unknown	other
6.328	203001_s_at	STMN2	testis expressed 15	Unknown	other
6.381	226911_at	EGFLAM	CTP synthase	Nucleus	enzyme transcriptio
6.423	232760_at	TEX15	pituitary tumor-transforming 1 CDC28 protein kinase regulatory subunit 2	Nucleus	regulator
6.554	202613_at	CTPS	primase, DNA, polypeptide 1	Unknown	kinase
6.607	203554_x_at	PTTG1		Nucleus	enzyme
6.621	204170_s_at	CKS2		Unknown	kinase
6.632	205053_at	PRIM1		Nucleus	enzyme

			(49kDa)		
6.722	207183_at	GPR19	G protein-coupled receptor 19	Plasma Membrane	G-protein coupled receptor
6.833	205339_at	STIL	SCL/TAL1 interrupting locus	Nucleus	other
6.981	203145_at	SPAG5	sperm associated antigen 5	Nucleus	peptidase
7.041	218355_at	KIF4A	kinesin family member 4A	Nucleus	other
7.066	209642_at	BUB1	budding uninhibited by benzimidazoles 1 homolog (yeast)	Nucleus	kinase
7.090	242560_at	FANCD2	Fanconi anemia, complementation group D2	Nucleus	other
7.129	230143_at	RNF165	ring finger protein 165	Unknown	other
7.156	225687_at	FAM83D	family with sequence similarity 83, member D	Unknown	other
7.179	218350_s_at	GMNN	geminin, DNA replication inhibitor	Nucleus	other
7.277	227154_at	IGSF21	immunoglobulin superfamily, member 21	Unknown	other
7.346	201555_at	MCM3	minichromosome maintenance complex component 3	Nucleus	enzyme
7.373	228598_at	DPP10	dipeptidyl-peptidase 10	Unknown	peptidase
7.447	208212_s_at	ALK	anaplastic lymphoma receptor tyrosine kinase	Plasma Membrane	kinase
7.498	203819_s_at	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3	Cytoplasm	translation regulator
7.506	213523_at	CCNE1	cyclin E1	Nucleus	transcription regulator
7.562	204641_at	NEK2	NIMA (never in mitosis gene a)-related kinase 2	Nucleus	kinase
7.670	221521_s_at	GINS2	GINS complex subunit 2 (Psf2 homolog)	Nucleus	other
7.773	226452_at	PDK1	pyruvate dehydrogenase kinase, isozyme 1	Cytoplasm	kinase
7.779	204510_at	CDC7	cell division cycle 7 homolog (S. cerevisiae)	Nucleus	kinase
7.807	202107_s_at	MCM2	minichromosome maintenance complex component 2	Nucleus	enzyme
7.857	229139_at	JPH1	junctionophilin 1	Plasma Membrane	other
7.902	218755_at	KIF20A	kinesin family member 20A	Cytoplasm	transporter
7.978	222077_s_at	RACGAP1	Rac GTPase activating protein 1	Cytoplasm	transporter
8.060	205954_at	RXRG	retinoid X receptor, gamma family with sequence similarity 19	Nucleus	nuclear receptor
8.106	242348_at	FAM19A4	(chemokine (C-C motif)-like), member A4	Extracellular Space	other
8.111	228523_at	NANOS1	nanos homolog 1 (Drosophila)	Cytoplasm	other
8.123	219978_s_at	NUSAP1	nucleolar and spindle associated protein 1	Nucleus	other
8.176	205818_at	DBC1	deleted in bladder cancer 1	Nucleus	peptidase
8.220	202954_at	UBE2C	ubiquitin-conjugating enzyme E2C	Cytoplasm	enzyme
8.281	209408_at	KIF2C	kinesin family member 2C	Nucleus	other
8.409	215119_at	MYO16	myosin XVI	Cytoplasm	other
8.485	222039_at	KIF18B (includes EG:146909)	kinesin family member 18B	Unknown	other
8.809	226456_at	C16ORF75	chromosome 16 open reading frame 75	Unknown	other
8.821	228695_at	C8ORF46	chromosome 8 open reading frame 46	Unknown	other
8.914	229551_x_at	ZNF367	zinc finger protein 367	Nucleus	transcription regulator
8.927	203213_at	CDC2	cell division cycle 2, G1 to S and G2	Nucleus	kinase

8.933	209757_s_at	MYCN	to M v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)	Nucleus	transcription regulator
9.020	222848_at	CENPK	centromere protein K	Nucleus	other
9.184	210604_at	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	Plasma Membrane	enzyme
9.195	204244_s_at	DBF4	DBF4 homolog (S. cerevisiae)	Nucleus	kinase
9.378	205830_at	CLGN	calmegin	Cytoplasm	peptidase
9.402	223913_s_at	C19ORF30	chromosome 19 open reading frame 30	Unknown	other
9.488	238605_at	NOL4	nucleolar protein 4	Nucleus	other transcription regulator
9.548	207250_at	SIX6	SIX homeobox 6	Nucleus	regulator
9.688	219990_at	E2F8	E2F transcription factor 8	Nucleus	other
9.705	206023_at	NMU	neuromedin U	Extracellular Space	other
9.799	223229_at	UBE2T	ubiquitin-conjugating enzyme E2T (putative)	Unknown	enzyme
9.819	210052_s_at	TPX2	TPX2, microtubule-associated, homolog (Xenopus laevis)	Nucleus	other
9.926	219984_s_at	HRASLS	HRAS-like suppressor	Cytoplasm	other
10.368	222680_s_at	DTL	denticleless homolog (Drosophila)	Nucleus	other
10.406	227760_at	IGFBPL1	insulin-like growth factor binding protein-like 1	Unknown	other transcription regulator
10.431	213906_at	MYBL1	v-myb myeloblastosis viral oncogene homolog (avian)-like 1	Nucleus	regulator
10.445	204995_at	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	Nucleus	kinase
10.462	203560_at	GGH	gamma-glutamyl hydrolase (conjugase, folylpolyglutamyl hydrolase)	Cytoplasm	peptidase
10.483	202870_s_at	CDC20	cell division cycle 20 homolog (S. cerevisiae)	Nucleus	other
10.829	205122_at	TMEFF1	transmembrane protein with EGF-like and two follistatin-like domains 1	Plasma Membrane	other
10.841	203755_at	BUB1B	budding uninhibited by benzimidazoles 1 homolog beta (yeast)	Nucleus	kinase
11.097	206102_at	GINS1	GINS complex subunit 1 (Psf1 homolog)	Nucleus	other
11.110	204822_at	TTK	TTK protein kinase	Nucleus	kinase
11.181	219787_s_at	ECT2	epithelial cell transforming sequence 2 oncogene	Nucleus	other
11.345	215143_at	FLJ36166	dpy-19-like 2 pseudogene 2 (C. elegans)	Unknown	other
11.744	205899_at	CCNA1	cyclin A1	Nucleus	other
12.210	219306_at	KIF15	kinesin family member 15	Nucleus	other
12.250	218542_at	CEP55	centrosomal protein 55kDa	Unknown	other
12.556	204146_at	RAD51AP1	RAD51 associated protein 1	Nucleus	other
12.676	204026_s_at	ZWINT (includes EG:11130)	ZW10 interactor	Nucleus	other transcription regulator
12.763	204914_s_at	SOX11	SRY (sex determining region Y)-box 11	Nucleus	regulator
12.826	226980_at	DEPDC1B	DEP domain containing 1B	Unknown	other
12.918	218009_s_at	PRC1	protein regulator of cytokinesis 1	Nucleus	other
12.965	203764_at	DLGAP5	discs, large (Drosophila) homolog-associated protein 5	Nucleus	phosphatase
12.999	229349_at	LIN28B	lin-28 homolog B (C. elegans)	Unknown	other
13.176	206502_s_at	INSM1	insulinoma-associated 1	Nucleus	other
13.179	209172_s_at	CENPF	centromere protein F, 350/400ka	Nucleus	other

13.392	203362_s_at	MAD2L1	(mitosin) MAD2 mitotic arrest deficient-like 1	Nucleus	other
13.955	202705_at	CCNB2	(yeast) cyclin B2	Cytoplasm	other
14.054	228729_at	CCNB1	cyclin B1	Nucleus	other transcription
14.342	206893_at	SALL1	sal-like 1 (Drosophila)	Nucleus	regulator
14.630	209773_s_at	RRM2	ribonucleotide reductase M2 polypeptide	Nucleus	enzyme
14.971	233002_at	PPP4R4	protein phosphatase 4, regulatory subunit 4	Unknown	other
15.163	204444_at	KIF11	kinesin family member 11	Nucleus	other
15.507	225655_at	UHRF1	ubiquitin-like with PHD and ring finger domains 1	Nucleus	regulator transcription
15.589	203358_s_at	EZH2	enhancer of zeste homolog 2 (Drosophila)	Nucleus	regulator
15.865	204825_at	MELK	maternal embryonic leucine zipper kinase	Cytoplasm	kinase
15.916	228323_at	CASC5	cancer susceptibility candidate 5	Nucleus	other transcription
19.110	228033_at	E2F7	E2F transcription factor 7	Nucleus	regulator
21.906	201292_at	TOP2A	topoisomerase (DNA) II alpha 170kDa	Nucleus	enzyme
23.800	219148_at	PBK	PDZ binding kinase	Cytoplasm	kinase
25.229	223381_at	NUF2	NUF2, NDC80 kinetochore complex component, homolog (<i>S. cerevisiae</i>)	Nucleus	other

