

Supplemental Table 2

probeID	geneSymbol	geneTitle	cox.it
223518_at	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	4.86807974
212370_x_at	FAM21A /// FAM21B /// FAM21C	family with sequence similarity 21, member A /// family with sequence similarity 21, member B /// family with sequence similarity 21, member C	-4.039911936
228937_at	C13orf51	chromosome 13 open reading frame 31	-3.965652752
224217_s_at	FAP1	Fas (TNFRSF6) associated factor 1	3.818892986
219066_at	PPDC	phosphoguanthioethylethylcysteine decarboxylase	-3.812463041
200994_at	IPQ7	importin 7	3.722967297
203853_s_at	GAB2	GRB2-associated binding protein 2	-3.576924648
218118_s_at	TIMM23	translocase of inner mitochondrial membrane 23 homolog (yeast)	-3.525051556
238662_at	ATPB04	ATP binding domain 4	3.522716521
212905_at	CSTF2	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa, tau variant	-3.458703211
225075_at	PDRG1	p53 and DNA-damage regulated 1	3.437886045
211430_s_at	IGH@ /// IGHG1 /// IGHG2 /// IGHM /// IGHV4-31 /// LOC100294459	immunoglobulin heavy locus /// immunoglobulin heavy constant gamma 1 (G1m marker) /// immunoglobulin heavy constant gamma 2 (G2m marker) /// immunoglobulin heavy constant mu /// immunoglobulin heavy variable 4-31 /// similar to immunoglobulin lambda-like polypeptide 1	-3.404297079
244181_at	244181_at	---	-3.363118529
202231_at	EIF3M	eukaryotic translation initiation factor 3, subunit M	3.345657723
201160_s_at	CSDA	cold shock domain protein A	3.337512802
214946_x_at	FAM21A /// FAM21B /// FAM21C /// FAM21D	family with sequence similarity 21, member A /// family with sequence similarity 21, member B /// family with sequence similarity 21, member C /// family with sequence similarity 21, member D	-3.324283023
228031_at	TPPAL	tocopherol (alpha) transfer protein-like	3.318341721
49485_at	PRM4	PR domain containing 4	-3.296678889
202772_at	HMCL	3-hydroxyethyl-3-methylglutaryl-Coenzyme A lyase	3.289817866
214263_x_at	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	3.247645405
204588_s_at	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	-3.246799284
201460_at	MAPKAP2	mitogen-activated protein kinase-activated protein kinase 2	-3.217558043
211816_s_at	PHF11	PHD finger protein 11	-3.210211952
224765_at	MSL1	male-specific lethal 1 homolog (Drosophila)	-3.201349163
200079_s_at	KARS	lysyl-tRNA synthetase	3.176831828
207540_s_at	SYK	spleen tyrosine kinase	-3.167762487
211068_x_at	FAM21C /// FAM21D	family with sequence similarity 21, member C /// family with sequence similarity 21, member D	-3.163139857
219221_at	ZBTB38	zinc finger and BTB domain containing 38	-3.154409272
219108_x_at	DDX27 /// SS18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 /// synovial sarcoma translocation, chromosome 18	3.152293026
204321_at	NEO1	neogenin homolog 1 (chicken)	-3.12510147
208877_at	PAK2	p21 protein [Cdc42/Rac]-activated kinase 2	-3.114509537
217830_x_at	LARS	leucyl-tRNA synthetase	3.112234576
203824_at	TPSAB8	tetraspanin 8	-3.101921477
209250_at	DEGS1	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)	-3.094524615
226155_at	FAM160B1	family with sequence similarity 160, member B1	-3.083172474
200840_at	KARS	lysyl-tRNA synthetase	3.076542431
219324_at	NOL12 /// TRIOBP	nucleolar protein 12 /// TRIO and F-actin binding protein	3.065288991
222240_s_at	ISYNA1	inositol-3-phosphate synthase 1	3.05735827
218329_at	PRM4	PR domain containing 4	-3.057231245
230192_at	TRIM13	triglycine motif-containing 13	-3.050686869
208486_x_at	CFLAR	CASP8 and FADD-like apoptosis regulator	-3.048629384
215719_x_at	FAS	Fas (TNF receptor superfamily, member 6)	-3.046347717
225401_at	C1orf85	chromosome 1 open reading frame 85	-3.043214019
243179_at	LOC100130360	Hypothetical protein LOC100130360	-3.037350457
218080_x_at	FAP1	Fas (TNFRSF6) associated factor 1	3.035637328
212929_s_at	FAM21A /// FAM21B /// FAM21C /// FAM21D	family with sequence similarity 21, member A /// family with sequence similarity 21, member B /// family with sequence similarity 21, member C /// family with sequence similarity 21, member D	-3.030701488
226354_at	LACTB	lactamase, beta	-3.02915401
200884_at	CKB	creatine kinase, brain	3.024029876
227541_at	WDK20	WD repeat domain 20	3.017019572
225050_at	PCYT1A	Phosphate cytidylyltransferase 1, choline, alpha	-2.99564384
224795_x_at	IGK@ /// IGKC	immunoglobulin kappa locus /// immunoglobulin kappa constant	-2.98246126
221651_x_at	IGK@ /// IGKC	immunoglobulin kappa locus /// immunoglobulin kappa constant	-2.981592545
224502_s_at	KIAA1191	KIAA1191	2.976832775
211317_s_at	CFLAR	CASP8 and FADD-like apoptosis regulator	-2.97292998
227111_at	ZBTB34	zinc finger and BTB domain containing 34	-2.970088311
227609_at	EPST11	epithelial stromal interaction 1 (breast)	-2.964417692
216993_x_at	DDX27	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27	2.949112968
212963_at	HIS4	v-Ha-ras Harvey rat sarcoma viral oncogene homolog	2.948633965
1558693_s_at	C1orf85	chromosome 1 open reading frame 85	-2.948114079
211862_x_at	CFLAR	CASP8 and FADD-like apoptosis regulator	-2.946764362
216252_x_at	FAS	Fas (TNF receptor superfamily, member 6)	-2.938757764
221209_at	PEG10	paternally expressed 10	2.933868567
221671_x_at	IGK@ /// IGKC	immunoglobulin kappa locus /// immunoglobulin kappa constant	-2.932626403
214736_s_at	ADD1	adnectin 1 (alpha)	-2.929651314
214669_x_at	IGKC	Immunoglobulin kappa constant	-2.927015547
203836_s_at	MAP3K5	mitogen-activated protein kinase kinase kinase 5	2.922286246
201148_s_at	TRIM14	triglycine motif-containing 14	-2.921141157
201161_s_at	CSDA	cold shock domain protein A	2.916976045
210574_s_at	NUDC	nuclear distribution gene C homolog (A. nidulans)	2.909292651
226939_at	CPEB2	cytoplasmic polyadenylation element binding protein 2	-2.907152005
214836_x_at	IGK@ /// IGKC	immunoglobulin kappa locus /// immunoglobulin kappa constant	-2.905170436
219188_s_at	MACROD1	MACRO domain containing 1	2.901350968
212898_at	KIAA0406	KIAA0406	2.900591878
201786_s_at	ADAR	adenosine deaminase, RNA-specific	-2.889216283
203837_at	MAP3K5	mitogen-activated protein kinase kinase kinase 5	2.888091572
208880_s_at	PRPF6	PRPF6 pre-mRNA processing factor 6 homolog (S. cerevisiae)	2.88324107
225756_at	CSNK1E	casein kinase 1, epsilon	2.880169676
212959_s_at	GNPTAB	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits	-2.876787133
1557095_s_at	LOC643837	hypothetical LOC643837	2.873921214
1559739_at	CHP11	Choline phosphotransferase 1	-2.872861784
219703_at	MNS1	meiosis-specific nuclear structural 1	2.865966611
218858_at	DEPDC6	DEP domain containing 6	-2.862195609
235289_at	EIF5A2	eukaryotic translation initiation factor 5A2	-2.856245642
241994_at	XDH	xanthine dehydrogenase	-2.846247225
227815_at	227815_at	---	-2.845219902
225898_at	WDR54	WD repeat domain 54	2.841553028
1552486_s_at	LACTB	lactamase, beta	-2.840912916
212529_at	LSM12	LSM12 homolog (S. cerevisiae)	2.831656975
201863_at	FAM43A	family with sequence similarity 32, member A	-2.829647981
219058_x_at	TINAGL1	tubulointerstitial nephritis antigen-like 1	2.816826249
202305_s_at	FEZ2	fasciculation and elongation protein zeta 2 (zyglin II)	-2.81495728
224478_s_at	C7orf50	chromosome 7 open reading frame 50	2.81493166
213817_at	IRAK3	interleukin-1 receptor-associated kinase 3	-2.808574741
212252_at	CAAMK2	calcium/calmodulin-dependent protein kinase kinase 2, beta	-2.804909251
210766_s_at	CSE1L	CSE1 chromosome segregation 1-like (yeast)	2.799151824
219512_at	DSN1	DSN1, MIND kinetochore complex component, homolog (S. cerevisiae)	2.794777702
222801_s_at	STAG3L4	stromal antigen 3-like 4	2.794769173
202309_at	MTFHD1	methyltetrahydrofolate dehydrogenase (NADP+ dependent) 1, methyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase	2.788321229
220688_s_at	MRT04	mRNA turnover 4 homolog (S. cerevisiae)	2.779536794
223092_at	ANKH	ankylosis, progressive homolog (mouse)	-2.776177153
212407_at	METTL13	methyltransferase like 13	-2.774619442
202288_at	MYO9	mechanistic target of rapamycin (serine/threonine kinase)	2.774427599
205234_at	SLC16A4	solute carrier family 16, member 4 (monocarboxylic acid transporter 5)	-2.771433441
218397_at	FANCL	Fanconi anemia, complementation group L	2.771206873
201984_s_at	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	2.766671893
209538_at	ZNF32	zinc finger protein 32	-2.765075242
235206_at	ENTPD7	ectonucleoside triphosphate diphosphohydrolase 7	-2.763541681
204783_at	MLF1	myeloid leukemia factor 1	2.760493009
204137_at	GPRI37B	G protein-coupled receptor 137B	-2.758463209
218844_at	ACS2	acyl-CoA synthetase family member 2	2.75408675
201173_x_at	NUDC	nuclear distribution gene C homolog (A. nidulans)	2.752889348
209499_x_at	TNFSF12-TNFSF13 /// TNFSF13	TNFSF12-TNFSF13 readthrough transcript /// tumor necrosis factor (ligand) superfamily, member 13	-2.75241409
200779_at	ATF4	activating transcription factor 4 (tax-responsive enhancer element B67)	2.752020106
222640_at	DNMT3A	DNA (cytosine-5)-methyltransferase 3 alpha	-2.736074743
219500_at	CLCF1	cardiotrophin-like cytokine factor 1	2.731842485
64900_at	FLJ22167	hypothetical protein FLJ22167	2.727950693
203277_at	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	2.722754302
224903_at	CIRH1A	cirrhosis, autosomal recessive 1A (cirhin)	2.722074397
207431_s_at	DEGS1	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)	-2.721150103
1552631_at	POLR22	polymerase (RNA) II (DNA directed) polypeptide 22	-2.715933519
217714_x_at	STMN1	stathmin 1	2.71125981
201891_s_at	B2M	beta-2-microglobulin	-2.70981379
226585_at	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	-2.709231968
225699_at	C2orf18	chromosome 2 open reading frame 18	-2.706411819
205164_at	GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)	2.697485687
1553218_a_at	ZNF512	zinc finger protein 512	-2.696713109
203719_at	ERCC1	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)	2.694320536
230172_at	IFIT2L1	interferon, alpha-inducible protein 27-like 1	2.693740425
212921_at	SMYD2	SET and MYND domain containing 2	-2.691351978
239476_at	239476_at	---	-2.687387574
212503_s_at	DIP2C	DIP2 disco-interacting protein 2 homolog C (Drosophila)	-2.68228034
225611_at	MAST4	microtubule associated serine/threonine kinase family member 4	-2.679265213
230204_at	GIMAP2	GTPase, MAP family member 2	-2.678676852
225347_at	ARL8A	ADP-ribosylation factor-like 8A	-2.677766378
244347_at	244347_at	---	-2.677087277
229007_at	LOC283788	FSHD region gene 1 pseudogene	-2.67641636
203883_s_at	RAB11FP2	RAB11 family interacting protein 2 (class I)	-2.675007006
200661_s_at	RPS24	ribosomal protein S24	-2.674114652
223907_s_at	PINX1	PIN2-interacting protein 1	2.672208564
223445_at	DTNBP1	dytrobrevin binding protein 1	-2.669107222
201964_at	SETX	senatxin	-2.668001622

227964_at	FRMD8	FERM domain containing 8	2.66462622
204780_s_at	FAS	Fas (TNF receptor superfamily, member 6)	-2.661662806
221780_s_at	D01K27	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27	2.660044995
1569973_at	SEPT13	Septin 13	2.659520006
235349_at	FAM82A1	family with sequence similarity 82, member A1	-2.657812664
230278_at	Z30728.at	...	-2.62757657
206445_s_at	PRMT1	protein arginine methyltransferase 1	2.655146463
226385_s_at	C7orf50	chromosome 7 open reading frame 30	2.655216558
224961_at	SCYL2	SCY1-like 2 (S. cerevisiae)	-2.646773167
241484_x_at	Z41484_x.at	...	-2.63979638
201632_at	EIF3B1	eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa	-2.639186651
208936_at	ATP1B3	ATPase, Na+/K+ transporting, beta 3 polypeptide	-2.635540119
226831_at	SLC25A46	Solute carrier family 25, member 46	-2.63130412
203884_s_at	RAB11FIP2	RAB11 family interacting protein 2 (class I)	-2.631140306
229240_at	ZDHHC21	Zinc finger, DHHC-type containing 21	-2.62815868
215176_x_at	LOC100291464	similar to HCG26659	-2.625474662
225699_at	C7orf40	chromosome 7 open reading frame 40	2.623572042
226943_at	C12orf73	chromosome 12 open reading frame 73	-2.620978259
229664_at	MAPK8	mitogen-activated protein kinase 8	-2.617732041
200730_s_at	PTP4A1	protein tyrosine phosphatase type IVA, member 1	2.614726211
202340_at	TOR1A	torin family 1, member A (torin A)	-2.611851966
203720_s_at	ERCC1	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)	2.610191084
212599_at	AUTS2	autism susceptibility candidate 2	-2.603607794
220610_s_at	LRRF1P2	leucine rich repeat (in FU1) interacting protein 2	2.602179808
220523_s_at	TMC41769	transmembrane protein 1768	-2.601296414
212314_at	KIAA0746	KIAA0746 protein	-2.599453709
209799_at	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	2.598453519
205442_at	MFA3P3	microfibrillar-associated protein 3-like	-2.596457985
240409_at	Z04049.at	...	---
211988_at	SMARCE1	SMN1/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	-2.59453412
223721_s_at	DNAJC12	DnaJ (Hsp40) homolog, subfamily C, member 12	-2.589025272
225415_at	DTX3L	deltex 3-like (Drosophila)	2.580913741
202913_at	ARHGEP11	Rho guanine nucleotide exchange factor (GEF) 11	-2.580789584
211056_s_at	SRB5A1	steroid 5-alpha-reductase, alpha polypeptide 1 (3-oxo-5-alpha-steroid delta 4-dehydrogenase alpha 1)	2.580597653
225512_at	ZBTB38	zinc finger and BTB domain containing 38	-2.57843774
226460_at	FNIP2	folliculin interacting protein 2	-2.576725693
228442_at	LOC90110	hypothetical protein LOC90110	-2.574231743
224730_at	DCA47	DOB1 and CUA4 associated factor 7	-2.571149169
217378_x_at	LOC100130100 /// LOC100291464	similar to HCG26659 /// similar to HCG26659	-2.568068126
230364_at	CHPT1	choline phosphotransferase 1	-2.565607408
203828_s_at	IL32	interleukin 32	-2.565472096
204124_at	SLC34A2	solute carrier family 34 (sodium phosphate), member 2	-2.564906961
216231_s_at	B2M	beta-2-microglobulin	-2.564641372
226068_at	SYK	spleen tyrosine kinase	-2.561917405
1553983_at	DTYMK	deoxythymidylate kinase (thymidylate kinase)	2.561027738
203979_at	CY27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	-2.55778108
223446_s_at	DTYBP1	dystrobrevin binding protein 1	-2.55632016
210774_s_at	NCOA4	nuclear receptor coactivator 4	-2.552321325
202658_at	PEX11B	peroxisomal biogenesis factor 11 beta	-2.552140711
227665_at	Z27665.at	...	---
226787_at	ZNF18	zinc finger protein 18	-2.551329013
211676_s_at	RNF114	ring finger protein 114	-2.550579802
212614_at	ARID5B	AT rich interactive domain 5B (MRF1-like)	2.548606713
226668_at	WDSUB1	WD repeat, sterile alpha motif and U-box domain containing 1	-2.547339112
217022_s_at	IGH@ /// IGH41 /// IGH24 /// LOC100126583	immunoglobulin heavy locus /// immunoglobulin heavy constant alpha 1 /// immunoglobulin heavy constant alpha 2 (A2m marker) /// hypothetical LOC100126583	-2.546823847
208623_s_at	E2F	etin	-2.54220719
230913_at	Z30913.at	...	2.541137672
226910_at	Z26910.at	...	-2.537559277
214768_x_at	FAM20B	Family with sequence similarity 20, member B	-2.535254901
211383_s_at	WDK37	WD repeat domain 37	-2.532075392
212429_s_at	GTF3C2	general transcription factor IIIC, polypeptide 2, beta 110kDa	-2.528405323
226194_at	ZNF828	zinc finger protein 828	-2.525636726
209434_s_at	PPAT	phosphoribosyl pyrophosphate amidotransferase	-2.525321074
49077_at	PPME1	protein phosphatase methyltransferase 1	2.519671377
212311_at	KIAA0746	KIAA0746 protein	2.518210392
226102_at	Z26102.at	...	-2.517677151
228630_at	ZNF84	zinc finger protein 84	-2.515804111
212376_at	EP400	E1A binding protein p400	-2.514889504
221218_s_at	TNK1	thiamin pyrophosphokinase 1	-2.514633993
219336_s_at	ASCC1	activating signal cointegrator 1 complex subunit 1	-2.514402389
215121_x_at	IGL@ /// IGLV1-44	immunoglobulin lambda locus /// immunoglobulin lambda variable 1-44	2.514220242
216984_x_at	IGL@ /// IGLV2-18 /// IGLV2-23 /// LOC100293440	immunoglobulin lambda locus /// immunoglobulin lambda variable 2-18 /// immunoglobulin lambda variable 2-23 /// similar to ig lambda chain	-2.513479696
221246_x_at	TNS1	tensin 1	-2.510073388
200991_s_at	SNR17	sorting nexin 17	2.508515518
223888_s_at	LARS	leucyl-tRNA synthetase	-2.505048881
212323_s_at	VPS13D	vacuolar protein sorting 13 homolog D (S. cerevisiae)	2.504325511
226158_at	KHJ24	kech-like 24 (Drosophila)	2.502736034
201155_s_at	MFA2	mitofusin 2	-2.502002029
216401_x_at	LOC652493 /// LOC652694	similar to Ig kappa chain V-I region HK102 precursor /// similar to Ig kappa chain V-I region HK102 precursor	2.500245582
219291_at	DTWD1	DTW domain containing 1	-2.498314699
203996_s_at	IFIT5	interferon-induced protein with tetratricopeptide repeats 5	2.497159836
217753_s_at	RPS26	ribosomal protein S26	-2.495539549
223144_at	TSPAN14	tetraspanin 14	-2.493308577
224915_x_at	C20orf199	chromosome 20 open reading frame 199	-2.490188774
227766_at	LIG4	ligase IV, DNA, ATP-dependent	2.49010924
234212_at	FBX20	F-box and leucine-rich repeat protein 20	-2.489478335
236539_at	PTP42	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	-2.487376006
236404_at	Z36404.at	...	-2.486516063
229025_s_at	IMMP1L	IMP1 inner mitochondrial membrane peptidase-like (S. cerevisiae)	-2.486096284
1552622_s_at	LOC411259 /// POLR2J2	PM52 postmeiotic segregation increased 2 (S. cerevisiae)-like /// polymerase (RNA) II (DNA directed) polypeptide J2	2.486062977
218481_at	EXO5C5	exosome component 5	-2.484846302
221500_s_at	STX16	syntaxin 16	2.484825988
205329_s_at	SNX4	sorting nexin 4	-2.483751086
218150_at	ARL5A	ADP-ribosylation factor-like 5A	-2.481576051
213268_at	CAMTA1	calmodulin binding transcription activator 1	-2.481109728
209786_at	HMG64	high mobility group nucleosomal binding domain 4	-2.479969447
201737_s_at	MAR6	membrane-associated ring finger (C3HC4) 6	2.479517188
226844_at	MOBK12B	MOB1, Mps One Binder kinase activator-like 2B (yeast)	-2.478930904
218546_at	C1orf115	chromosome 1 open reading frame 115	-2.477973903
225384_at	DOCK7	dedicator of cytokinesis 7	-2.477123508
155312_a_at	TCN	tandem C2 domains, nuclear	2.475878811
239167_at	Z39167.at	...	-2.474981204
217499_x_at	OR7E37P	olfactory receptor, family 7, subfamily E, member 37 pseudogene	2.474631916
238000_at	Z38002.at	...	-2.473688802
204610_s_at	CCDC90B	coiled-coil domain containing 85B	-2.471485224
215379_x_at	IGL@ /// IGLV1-44	immunoglobulin lambda locus /// immunoglobulin lambda variable 1-44	2.471463944
1554473_at	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1	2.470895387
214677_x_at	IGL@	immunoglobulin lambda locus	-2.470671187
202183_s_at	RIF22	kinesin family member 22	2.469745083
225931_s_at	RNF213	ring finger protein 213	-2.469424993
209374_s_at	IGHM	immunoglobulin heavy constant mu	-2.467346474
221558_at	LEF1	lymphoid enhancer-binding factor 1	-2.46619939
212239_at	PKR1	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)	-2.465679648
242335_at	SLC25A37	solute carrier family 25, member 37	2.464274845
211656_x_at	HIA-DQB1 /// LOC100294318	major histocompatibility complex, class II, DQ beta 1 /// similar to major histocompatibility complex, class II, DQ beta 1	-2.460147643
1553304_at	LSM14B	LSM14B, SCDB homolog 8 (S. cerevisiae)	2.458551624
224517_at	POLR2J4	polymerase (RNA) II (DNA directed) polypeptide J4, pseudogene	-2.458180659
228273_at	Z28273.at	...	-2.45573482
223253_at	EPOR1	ependymin related protein 1 (zebrafish)	-2.456399676
203920_at	NR1H3	nuclear receptor subfamily 1, group H, member 3	-2.454241882
217732_s_at	ITM2B	integral membrane protein 2B	-2.452127425
212895_x_at	TFPI	tumor protein, translationally-controlled 1	-2.447633132
201312_s_at	SH3BGL	SH3 domain binding glutamic acid-rich protein like	-2.44568997
217480_x_at	LOC100287723 /// LOC642424 /// LOC642838	similar to Ig kappa chain /// similar to HCG1742442 /// similar to HCG1742442	-2.442648036
223356_s_at	MTIF3	mitochondrial translational initiation factor 3	-2.441670838
204000_at	GNS5	guanine nucleotide binding protein (G protein), beta 5	2.441317631
218457_s_at	DNMT3A	DNA (cytosine-5-)methyltransferase 3 alpha	-2.435020448
218659_at	ASXL2	additional sex combs like 2 (Drosophila)	-2.434518082
214548_x_at	GNAS	GNAS complex locus	2.4322263
211644_x_at	IGKC /// IGKV3-20 /// IGKV3D-13 /// IGKV3D-15 /// LOC100291682 /// LOC440871	immunoglobulin kappa locus /// immunoglobulin kappa constant /// immunoglobulin kappa variable 3D-11 /// immunoglobulin kappa variable 3D-15 (gene/pseudogene) /// similar to HCG1686089 /// similar to HCG2043206	-2.43198195
201425_at	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	-2.431621205
200733_s_at	PTP4A1	protein tyrosine phosphatase type IVA, member 1	2.430883635
52078_at	TMEM222	transmembrane protein 222	2.429878609
201112_s_at	CSE1L	CSE1 chromosome segregation 1-like (yeast)	-2.42987603
201057_at	ARL1	ADP-ribosylation factor-like 1	-2.429808772
219400_at	CNTNAP1	contactin associated protein 1	2.427551769
227308_x_at	LTBP3	latent transforming growth factor beta binding protein 3	2.426760719
239577_at	Z39577.at	...	-2.426095946
214777_at	IGKV4-3	immunoglobulin kappa variable 4-1	-2.42205337
239784_at	Z39784.at	...	2.419772789
203504_s_at	ABCA1	ATP-binding cassette, sub-family A (ABCA1), member 1	-2.419570867
223594_at	TMEM117	transmembrane protein 117	-2.419509623
217850_at	GNL3	guanine nucleotide binding protein-like 3 (nucleolar)	2.419380707
209049_s_at	ZMIND8	zinc finger, MYND-type containing 8	2.417932748

212307_s_at	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	2.41581772
203196_at	ABCCL4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	-2.41461373
214599_at	CGGBP1	CGG triplet repeat binding protein 1	-2.413196693
201493_s_at	PUM2	pumilio homolog 2 (Drosophila)	-2.408932763
218220_at	C12orf10	chromosome 12 open reading frame 10	2.408577883
222484_s_at	CXCL14	chemokine (C-X-C motif) ligand 14	-2.406724872
218583_s_at	DCUN1D1	DCN1, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae)	-2.404889328
209138_x_at	IGL@	immunoglobulin lambda locus	-2.404467288
238787_at	DENN1B	DENN/MADD domain containing 1B	-2.400886761
226560_at	Z26560_at	...	-2.400159397
226227_x_at	C20orf199	chromosome 20 open reading frame 199	2.397995992
201313_s_at	SH3BPGL	SH3 domain binding glutamic acid-rich protein like	-2.3956817
210223_s_at	MR1	major histocompatibility complex, class I-related	-2.395416533
223093_at	ANKH	ankylosis, progressive homolog (mouse)	-2.395372186
227341_at	BEND7	BEN domain containing 7	-2.395059142
225234_at	CR1	Cas-Br-M (murine) ecotropic retroviral transforming sequence	-2.393769651
1558385_at	1558385_at	...	2.390602264
203815_at	GSTT1	glutathione S-transferase theta 1	-2.390247659
238337_s_at	DNAIC21	DnaI (Hsp40) homolog, subfamily C, member 21	2.389921026
218315_s_at	CD59AP1	CDK5 regulatory subunit associated protein 1	2.386549157
218440_at	MCC1	methylcrotonyl-Coenzyme A carboxylase 1 (alpha)	2.385849419
239101_at	ITCH	itchy E3 ubiquitin protein ligase homolog (mouse)	2.382575697
226438_at	SNTB1	syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1)	-2.379522707
208611_s_at	SPTAN1	spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)	-2.378743889
219008_at	C2orf43	chromosome 2 open reading frame 43	-2.376566175
208649_s_at	VCP	valosin-containing protein	-2.374332955
218589_at	LPAR6	lysophosphatidic acid receptor 6	-2.374140934
219177_at	BKDC2	brix domain containing 2	2.372200635
212504_at	DIP1C	DIP2 disco-interacting protein 2 homolog C (Drosophila)	-2.371008991
238970_at	BCL2L15	BCL2-like 15	-2.367808604
213016_at	BBX	bobby sox homolog (Drosophila)	-2.366956449
239629_at	CFLAR	CASP8 and FADD-like apoptosis regulator	-2.36694549
201034_at	AD03	adducin 3 (gamma)	-2.365530874
212012_at	NEOD4	neural precursor cell expressed, developmentally down-regulated 4	-2.363558462
221216_s_at	SCMH1	sex comb on midleg homolog 1 (Drosophila)	2.362782955
215714_s_at	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	-2.361993182
1560763_at	1560763_at	...	-2.361591884
222369_at	NAT11	N-acetyltransferase 11 (GCN5-related, putative)	-2.35973723
207783_x_at	HUWE1	HECT, UBA and WWE domain containing 1	-2.358524729
212273_x_at	GNAS	GNAS complex locus	2.358491468
60815_at	POLR24	polymerase (RNA) II (DNA directed) polypeptide J4, pseudogene	2.358405381
1552703_at	CAHD16	caspase recruitment domain family, member 16	-2.356960604
225880_at	Z25880_at	...	-2.35215151
202076_at	BIRC2	baculoviral IAP repeat-containing 2	-2.354034504
201177_s_at	UBA2	ubiquitin-like modifier activating enzyme 2	2.353219584
212467_at	DNAIC13	DnaI (Hsp40) homolog, subfamily C, member 13	-2.347211753
217987_at	ASPMO1	asparagine synthetase domain containing 1	-2.346476173
238982_at	DENR	density-regulated protein	-2.345750986
201998_at	ST6GAL1	ST6 beta-galactosidase alpha-2,6-sialyltransferase 1	-2.345147244
217673_x_at	GNAS	GNAS complex locus	2.34323907
207713_s_at	RBCX1	RanBP-type and C3HC4-type zinc finger containing 1	2.342371085
208696_at	FBN1	fructose 1,6-bisphosphatase 1	-2.341800791
210782_x_at	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1	2.341503718
212506_at	PICALM	phosphatidylinositol binding clathrin assembly protein	-2.339774699
219684_at	RTF4	receptor (chemosensory) transporter protein 4	-2.339510992
200973_s_at	TAX1BP1	Tax1 (human T-cell leukemia virus type 1) binding protein 1	2.339483336
202709_at	FMOD	fibromodulin	-2.338038234
226909_at	ZNF518B	zinc finger protein 518B	-2.335126451
208030_s_at	ADD1	adducin 1 (alpha)	-2.334881104
209475_at	USP15	ubiquitin specific peptidase 15	-2.33483233
229255_s_at	AUP1	ancient ubiquitous protein 1	2.333403338
225312_at	COMMD6	COMM domain containing 6	-2.332787068
203043_at	ZBED1	zinc finger, BED-type containing 1	-2.332637918
224209_s_at	GDA	guanine deaminase	-2.332589414
227426_at	SOS1	son of sevenless homolog 1 (Drosophila)	-2.331200311
223494_at	MGEA5	meningioma expressed antigen 5 (hyaluronidase)	-2.331054547
224481_s_at	HECTD1	HECT domain containing 1	2.329909488
201607_at	PWP1	PWP1 homolog (S. cerevisiae)	-2.328845184
228411_at	PAR3DB	par-3 partitioning defective 3 homolog B (C. elegans)	-2.325481306
200617_at	MLEC	mlectin	-2.325205989
221539_at	EIF4EBP1	eukaryotic translation initiation factor 4E binding protein 1	2.324176221
218345_at	TMEM176A	transmembrane protein 176A	-2.323506773
214005_at	GGCX	gamma-glutamyl carboxylase	2.323480148
214201_x_at	IGKC /// IGKV1-5 /// LOC100291464 /// LOC650405 /// LOC625493 /// LOC652694	immunoglobulin kappa constant /// immunoglobulin kappa variable 1-5 /// similar to hCG26659 /// similar to Ig kappa chain V-1 region HK102 precursor /// similar to Ig kappa chain V-1 region HK102 precursor /// similar to Ig kappa chain V-1 region HK102 precursor	-2.323160873
235028_at	Z35028_at	...	-2.322793226
220547_s_at	FAM35A	family with sequence similarity 35, member A	-2.322542093
201779_s_at	RNF13	ring finger protein 13	-2.322175423
204521_at	C12orf04	chromosome 12 open reading frame 24	2.319968613
205362_s_at	PF0N4	prefoldin subunit 4	2.319869004
202109_at	ARFIP2	ADP-ribosylation factor interacting protein 2	2.319210904
229943_at	TRIM13	tripartite motif-containing 13	-2.319104233
1552703_s_at	CAHD16 /// CASP1	caspase recruitment domain family, member 16 /// caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)	-2.318889845
227040_at	NHLK3	NHL repeat containing 3	-2.317612114
231895_at	SASS6	spindle assembly 6 homolog (C. elegans)	2.31313958
204324_s_at	GOLIM4	golgi integral membrane protein 4	-2.312814881
212807_s_at	SORT1	sortilin 1	-2.309154184
210580_x_at	SULT1A1 /// SULT1A4	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 /// sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4	-2.30912715
221907_at	TRMT61A	tRNA methyltransferase G16 homolog A (S. cerevisiae)	2.308732894
204142_at	ENOSF1	enolase superfamily member 1	2.306163552
227935_s_at	PCGF5	polycomb group ring finger 5	-2.30444353
202115_s_at	NOC2L	nuclear complex associated 2 homolog (S. cerevisiae)	2.303729017
219815_at	GALST4	galactose-3-O-sulfotransferase 4	-2.303573935
235146_at	TMCC3	transmembrane and coiled-coil domain family 3	-2.303393336
202481_at	DHRS3	dehydrogenase/reductase (SDR family) member 3	2.30176887
241727_x_at	DHFR1L	dihydrofolate reductase-like 1	2.298334243
209970_x_at	CASP1	caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)	-2.29812106
212486_s_at	FYN	FYN oncogene related to SRC, FGR, YES	-2.297621953
201368_at	ZFP36L2	zinc finger protein 36, C3H type-like 2	-2.296312723
228091_s_at	CCU1	cyclin 1	-2.294651117
200551_at	SART1	squamous cell carcinoma antigen recognized by T cells	2.293481292
209249_s_at	GHTM	growth hormone inducible transmembrane protein	-2.291530373
210970_s_at	IBTK	inhibitor of Bruton agammaglobulinemia tyrosine kinase	2.290777993
210075_at	MAR2	membrane-associated ring finger (C3HC4) 2	-2.290376676
209213_at	CBR1	carbonyl reductase 1	-2.29005952
201911_s_at	FARP1	FERM, rhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)	-2.289727493
236072_at	Z36072_at	...	-2.289617307
229568_at	MOBK12B	MOB1, Mps One Binder kinase activator-like 2B (yeast)	-2.289225077
235266_at	ATAD2	ATPase family, AAA domain containing 2	2.288949497
244699_at	AH1	Abelson helper integration site 1	2.287811499
239449_at	Z39449_at	...	-2.286167309
212907_at	SLC30A1	Solute carrier family 30 (zinc transporter), member 1	-2.285751031
223331_s_at	DDX20	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20	-2.285175339
212222_at	PSME4	proteasome (prosome, macropain) activator subunit 4	-2.285110952
209384_at	PROSC	proline synthetase co-transcribed homolog (bacterial)	2.283989118
217157_x_at	IGK@ /// IGKC /// LOC650405 /// LOC652694	immunoglobulin kappa locus /// immunoglobulin kappa constant /// similar to Ig kappa chain V-1 region HK102 precursor /// similar to Ig kappa chain V-1 region HK102 precursor	-2.282665272
218119_at	TMM23 /// TMM23B	translocase of inner mitochondrial membrane 23 homolog (yeast) /// translocase of inner mitochondrial membrane 23 homolog B (yeast)	-2.281734769
202777_at	SHO2	soe-2 suppressor of clear homolog (C. elegans)	-2.281422937
211858_x_at	GNAS	GNAS complex locus	2.280568778
217148_x_at	LOC100293440	similar to Ig lambda chain	-2.278767717
227021_at	AOP1	amine oxidase (flavin containing) domain 1	-2.278440587
204552_at	INPP4A	inositol polyphosphate 4-phosphatase, type 1, 107kDa	-2.277702069
202333_at	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide	2.277492196
225163_at	FRMD4A	FERM domain containing 4A	-2.275810789
218174_s_at	C10orf57	chromosome 10 open reading frame 57	-2.275348711
201874_at	MPZL1	myelin protein zero-like 1	-2.275067347
202579_x_at	HMGNA	high mobility group nucleosomal binding domain 4	-2.274700018
209981_x_at	GNAS	GNAS complex locus	2.274382737
218847_at	IGF2BP2	insulin-like growth factor 2 mRNA binding protein 2	2.274113886
225680_at	LRWD1	leucine-rich repeats and WD repeat domain containing 1	2.272951386
208861_s_at	CGGBP1	CGG triplet repeat binding protein 1	-2.272925252
233223_at	Z33223_at	...	-2.272183124
225050_at	ZNF512	zinc finger protein 512	-2.271562819
202700_s_at	TMEM63A	transmembrane protein 63A	2.270011216
210314_x_at	TNFSF13	tumor necrosis factor (ligand) superfamily, member 13	-2.269824544
32137_at	JAG2	jagged 2	2.269712391
219478_at	WFDC1	WAP four-disulfide core domain 1	-2.267613381
228341_at	Z28341_at	...	-2.263355381
47530_at	C9orf156	chromosome 9 open reading frame 156	-2.262943057
214273_x_at	C16orf35	chromosome 16 open reading frame 35	2.261640588
202271_s_at	UNC119	unc-119 homolog (C. elegans)	-2.260697196
205765_at	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	-2.260518811
226196_s_at	C14orf179	chromosome 14 open reading frame 179	2.259642403
200780_x_at	GNAS	GNAS complex locus	2.259519525
213916_at	ZNF20 /// ZNF625	zinc finger protein 20 /// zinc finger protein 625	-2.259306832

211628_x_at	FTHP1	ferritin, heavy polypeptide pseudogene 1	-2.258239624
231850_x_at	KIAA1712	KIAA1712	-2.257557133
225684_at	SKA2	sginidie and kinetochore associated complex subunit 2	2.255496798
1554602_at	RBMB8A	RNA binding motif protein 8A	2.254613972
211643_x_at	IGKC /// IGKV3-20 /// IGKV3D-13 /// IGKV3D-15 /// LOC440871	immunoglobulin kappa locus /// immunoglobulin kappa constant /// immunoglobulin kappa variable 3-20 /// immunoglobulin kappa variable 3D-11 /// immunoglobulin kappa variable 3D-15 (gene/pseudogene) /// similar to hCG2043206	-2.254334124
51146_at	PIGV	phosphatidylinositol glycan anchor biosynthesis, class V	2.253590726
238879_at	Z38879_at	---	-2.253000567
240636_at	Z40636_at	---	2.252083233
226615_at	XPR1	---	2.251382271
219622_at	RAB20	xenotropic and polytropic retrovirus receptor	-2.249661879
204735_at	PDE4A	RAB20, member RAS oncogene family	-2.249481355
201875_s_at	MPZL1	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	-2.248996363
205965_at	BATF	myelin protein zero-like 1	-2.247345275
221253_s_at	TXNDC5	basic leucine zipper transcription factor, ATF-like	-2.246696112
1554082_a_at	NOL9	thioredoxin domain containing 5 (endoplasmic reticulum)	2.246498753
203829_at	ELP4	nucleolar protein 9	2.243923649
227576_at	Z27576_at	elongation protein 4 homolog (S. cerevisiae)	-2.243853337
213795_s_at	PTPRA	---	2.243631307
202887_s_at	DDIT4	protein tyrosine phosphatase, receptor type, A	2.242241934
202137_s_at	ZMYND11	DNA-damage-inducible transcript 4	-2.242072397
235296_at	EIF5A2	zinc finger, MYND domain containing 11	-2.24146582
213037_x_at	STAU1	eukaryotic translation initiation factor 5A2	2.241217831
203559_s_at	ABP1	staufen, RNA binding protein, homolog 1 (Drosophila)	-2.238475283
211495_x_at	TNFSF12-TNFSF13 /// TNFSF13	amiloride binding protein 1 (amine oxidase (copper-containing))	-2.238395505
210551_s_at	SAT1	TNFSF12-TNFSF13 readthrough transcript /// tumor necrosis factor (ligand) superfamily, member 13	-2.237929368
224742_at	ABHD12	spasmolysin/spermine N1 acetyltransferase 1	2.236722247
226206_at	MAFK	abhydrolase domain containing 12	2.235514246
201252_at	PSMC4	v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)	2.232827971
208845_at	VDAC3	proteasome (prosome, macropain) 26S subunit, ATPase, 4	2.231785936
237216_at	Z37216_at	voltage-dependent anion channel 3	2.231123478
209314_s_at	HBS1L	---	2.22999769
228157_at	ZNF207	HBS1-like (S. cerevisiae)	-2.22743726
223024_at	AP1M3	zinc finger protein 207	-2.227215411
204115_s_at	ADK	adaptor-related protein complex 1, mu 1 subunit	2.226963084
223361_at	C5orf115	adenosine kinase	-2.226914559
238988_at	Z38988_at	chromosome 6 open reading frame 115	2.226694744
219303_at	RNF219	---	-2.225823427
201978_s_at	KIAA0141	ring finger protein 219	2.225371126
217610_at	Z17610_at	KIAA0141	-2.225287109
1554821_a_at	ZBED1	---	-2.224731308
203505_at	ABCA1	zinc finger, BED-type containing 1	-2.22444275
209655_at	XKCC1	ATP-binding cassette, sub-family A (ABC1), member 1	2.22395388
221274_s_at	LMAN2L	X-ray repair complementing defective repair in Chinese hamster cells 1	2.222549336
225826_at	MMA8	lectin, mannose-binding 2-like	2.2198743
209748_at	SPAST	methylmalonic aciduria (cobalamin deficiency) cblB type	-2.21759169
226296_at	RUNDG1	spastin	2.216355022
225049_at	BLDC1S2	RUN domain containing 1	-2.214853364
205945_at	IL6R	biogenesis of lysosomal organelles complex 1, subunit 2	-2.21470249
211379_x_at	B3GALNT1	interleukin 6 receptor	-2.212846007
205406_s_at	SPA17	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside blood group)	2.211675545
212420_at	ELF1	sperm autoantigenic protein 17	-2.210899715
205002_at	AHD1C1	E74-like factor 1 (ets domain transcription factor)	2.210667854
217983_s_at	RNASET2	AT hook, DNA binding motif, containing 1	-2.208810972
216092_s_at	SLC7A8	ribonuclease T2	-2.208710881
209493_at	PDZD2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	2.207971699
226293_at	MEI19	PDZ domain containing 2	2.207458015
218339_at	MRPL22	mediator complex subunit 19	2.207104095
207122_x_at	SULT1A2	mitochondrial ribosomal protein L22	-2.206735497
205060_at	PARG	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2	-2.206040724
222698_s_at	IMPACT	poly (ADP-ribose) glycohydrolase	-2.205458399
226288_s_at	NLGN2	Impact homolog (mouse)	2.204271559
222696_at	AXIN2	neurotigin 2	-2.203307594
204363_at	F3	axin 2	2.202758
224904_at	PDPR	coagulation factor III (thromboplastin, tissue factor)	-2.20220043
213594_x_at	FUSP1	pyruvate dehydrogenase phosphatase regulatory subunit	2.201300488
214157_at	GNAS	FUS interacting protein (serine/arginine-rich) 1	2.199787562
202136_at	ZMYND11	GNAS complex locus	-2.199777277
44673_at	SIGLEC1	zinc finger, MYND domain containing 11	-2.199582886
224522_s_at	DCAKD	sialic acid binding Ig-like lectin 1, sialoadhesin	2.199561972
218976_at	DNAJC12	dephospho-CoA kinase domain containing	2.199402667
219235_s_at	PHACTR4	Dnal (Hsp40) homolog, subfamily C, member 12	2.199337417
		phosphatase and actin regulator 4	