

Significant genes; PN at 72 hours compared to EN at 72 hours

Probe Set ID	Gene Symbol	Gene Title	p-value	FC ¹
210164_at	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	3.02E-04	-3.431228
207655_s at	BLNK	B-cell linker	1.93E-04	-3.172009
202286_s at	TACSTD2	tumor-associated calcium signal transducer 2	0.034938	-2.79353
202283_at	SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	6.71E-04	-2.287497
205554_s at	DNASE1L3	deoxyribonuclease I-like 3	5.53E-04	-2.235153
206028_s at	MERTK	c-mer proto-oncogene tyrosine kinase	0.008308	-2.138402
204083_s at	TPM2	tropomyosin 2 (beta)	0.003543	-2.129156
202950_at	CRYZ	crystallin, zeta (quinone reductase)	0.03904	-2.077738
217979_at	TSPAN13	tetraspanin 13	0.017969	-2.011961
203675_at	NUCB2	nucleobindin 2	0.003106	-1.895986
219497_s at	BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein)	3.82E-04	-1.887636
219529_at	CLIC3	chloride intracellular channel 3	0.0215	-1.856861
213677_s at	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	0.014352	-1.822758
203569_s at	OFD1	oral-facial-digital syndrome 1	5.46E-04	-1.776921
205997_at	ADAM28	ADAM metallopeptidase domain 28	0.006648	-1.775253
218285_s at	BDH2	3-hydroxybutyrate dehydrogenase, type 2	0.001408	-1.773459
206976_s at	HSPH1	heat shock 105kDa/110kDa protein 1	6.37E-04	-1.772129
210825_s at	PEBP1	phosphatidylethanolamine binding protein 1	0.001514	-1.753348
204798_at	MYB	v-myb myeloblastosis viral oncogene homolog (avian)	0.002172	-1.747055
202840_at	TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa	0.019152	-1.745754
202088_at	SLC39A6	solute carrier family 39 (zinc transporter), member 6	0.009061	-1.707959
AFFX-r2-Ec-bioB-M at			0.04724	-1.701006
203485_at	RTN1	reticulon 1	0.041353	-1.693912
213313_at	RABGAP1	RAB GTPase activating protein 1	0.021935	-1.687855
AFFX-BioB-M at			0.046862	-1.66081
221004_s at	ITM2C	integral membrane protein 2C	0.004095	-1.656465
AFFX-BioB-3 at			0.044727	-1.651908
37462_i at	SF3A2	splicing factor 3a, subunit 2, 66kDa	0.005457	-1.651735
203336_s at	ITGB1BP1	integrin beta 1 binding protein 1	0.026342	-1.651431
219192_at	UBAP2	ubiquitin associated protein 2	0.009101	-1.648783
213581_at	PDCD2	programmed cell death 2	0.002308	-1.637871
206674_at	FLT3	fms-related tyrosine kinase 3	0.010063	-1.633923
201302_at	ANXA4	annexin A4	0.01193	-1.632471
218025_s at	PECI	peroxisomal D3,D2-enoyl-CoA isomerase	0.007753	-1.632244
200972_at	TSPAN3	tetraspanin 3	0.018936	-1.62141
210093_s at	MAGOH	mago-nashi homolog, proliferation-associated (Drosophila)	0.007072	-1.612076
210095_s at	IGFBP3	insulin-like growth factor binding protein 3	0.040015	-1.609266
217902_s at	HERC2	hect domain and RLD 2	0.036573	-1.60341
219032_x at	OPN3	opsin 3	0.005073	-1.595897
219607_s at	MS4A4A	membrane-spanning 4-domains, subfamily A, member 4	0.025535	-1.591932

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205981_s_at	ING2	inhibitor of growth family, member 2	0.003532	-1.583467
200642_at	SOD1	superoxide dismutase 1, soluble	0.001461	-1.577222
218116_at	C9orf78	chromosome 9 open reading frame 78	0.001717	-1.571388
205861_at	SPIB	Spi-B transcription factor (Spi-1/PU.1 related)	0.010585	-1.570934
203887_s_at	THBD	thrombomodulin	0.027079	-1.568924
202227_s_at	BRD8	bromodomain containing 8	0.009341	-1.568163
206157_at	PTX3	pentraxin-related gene, rapidly induced by IL-1 beta	0.02771	-1.567626
203856_at	VRK1	vaccinia related kinase 1	5.42E-04	-1.562115
217850_at	GNL3	guanine nucleotide binding protein-like 3 (nucleolar)	0.018946	-1.558416
201212_at	LGMN	legumain	4.16E-04	-1.554296
217833_at	SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	0.005777	-1.552203
218490_s_at	ZNF302	zinc finger protein 302	0.0132	-1.551444
202983_at	HLTF	helicase-like transcription factor	0.038201	-1.547766
213754_s_at	PAIP1	poly(A) binding protein interacting protein 1	5.29E-04	-1.547527
205664_at	KIN	KIN, antigenic determinant of recA protein homolog (mouse)	0.011041	-1.546952
203753_at	TCF4	transcription factor 4	0.03835	-1.545834
202106_at	GOLGA3	golgi autoantigen, golgin subfamily a, 3	0.016373	-1.544628
204057_at	IRF8	interferon regulatory factor 8	0.003725	-1.540935
200810_s_at	CIRBP	cold inducible RNA binding protein	0.001133	-1.540172
214864_s_at	GRHPR	glyoxylate reductase/hydroxypyruvate reductase	0.021238	-1.539013
203053_at	BCAS2	breast carcinoma amplified sequence 2	0.010874	-1.537029
AFFX-r2-Ec-bioB3_at			0.048838	-1.535617
210029_at	IDO1	indoleamine 2,3-dioxygenase 1	0.044029	-1.533605
202725_at	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	0.004763	-1.53222
201892_s_at	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	0.021067	-1.528482
218680_x_at	HYPK	Huntingtin interacting protein K	0.002995	-1.526392
202602_s_at	HTATSF1	HIV-1 Tat specific factor 1	0.020704	-1.525837
201518_at	CBX1	chromobox homolog 1 (HP1 beta homolog Drosophila)	0.009669	-1.525629
200873_s_at	CCT8	chaperonin containing TCP1, subunit 8 (theta)	0.028178	-1.52471
202679_at	NPC1	Niemann-Pick disease, type C1	0.041175	-1.523904
212296_at	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	0.011476	-1.521024
222258_s_at	SH3BP4	SH3-domain binding protein 4	0.045574	-1.518285
203166_at	CFDP1	craniofacial development protein 1	0.007357	-1.516247
213262_at	SACS	spastic ataxia of Charlevoix-Saguenay (sacsin)	0.002178	-1.51601
209340_at	UAP1	UDP-N-acetylglucosamine pyrophosphorylase 1	0.005393	-1.514124
203291_at	CNOT4	CCR4-NOT transcription complex, subunit 4	0.013489	-1.51258
217945_at	BTBD1	BTB (POZ) domain containing 1	0.021318	-1.511045
222140_s_at	GPR89A /// GPR89B /// GPR89C	G protein-coupled receptor 89A /// G protein-coupled receptor 89B /// G protein-coupled receptor 89C	0.03402	-1.511031
201829_at	NET1	neuroepithelial cell transforming 1	0.042543	-1.502478

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218042_at	COPS4	COP9 constitutive photomorphogenic homolog subunit 4 (Arabidopsis)	0.017097	-1.496857
201111_at	CSE1L	CSE1 chromosome segregation 1-like (yeast)	0.016761	-1.496452
218269_at	RNASEN	ribonuclease type III, nuclear	2.06E-04	-1.496283
218757_s_at	UPF3B	UPF3 regulator of nonsense transcripts homolog B (yeast)	0.009094	-1.492756
218768_at	NUP107	nucleoporin 107kDa	0.013774	-1.492619
200893_at	TRA2B	transformer 2 beta homolog (Drosophila)	0.024482	-1.491619
219463_at	C20orf103	chromosome 20 open reading frame 103	0.01076	-1.490827
202642_s_at	TRRAP	transformation/transcription domain-associated protein	0.002326	-1.488652
208638_at	PDIA6	protein disulfide isomerase family A, member 6	0.010179	-1.486442
201558_at	RAE1	RAE1 RNA export 1 homolog (S. pombe)	0.008412	-1.484776
218184_at	TULP4	tubby like protein 4	0.002663	-1.481478
213201_s_at	TNNT1	troponin T type 1 (skeletal, slow)	0.020795	-1.479184
203335_at	PHYH	phytanoyl-CoA 2-hydroxylase	0.033182	-1.478934
205260_s_at	ACYP1	acylphosphatase 1, erythrocyte (common) type	0.016648	-1.475228
204868_at	ICT1	immature colon carcinoma transcript 1	0.006666	-1.474974
213164_at	SLC5A3	solute carrier family 5 (sodium/myo-inositol cotransporter), member 3	0.001817	-1.47136
202611_s_at	MED14	mediator complex subunit 14	0.016094	-1.470562
213287_s_at	KRT10	keratin 10	0.031912	-1.469746
201876_at	PON2	paraoxonase 2	0.002924	-1.469294
219515_at	PRDM10	PR domain containing 10	0.030272	-1.467373
203741_s_at	ADCY7	adenylate cyclase 7	0.003056	-1.467222
213846_at	COX7C	cytochrome c oxidase subunit VIIc	0.039575	-1.46124
203341_at	CEBPZ	CCAAT/enhancer binding protein (C/EBP), zeta	0.009518	-1.457968
200599_s_at	HSP90B1	heat shock protein 90kDa beta (Grp94), member 1	0.015362	-1.455501
207574_s_at	GADD45B	growth arrest and DNA-damage-inducible, beta	0.005664	-1.451789
206055_s_at	SNRPA1	small nuclear ribonucleoprotein polypeptide A'	0.026051	-1.449836
215171_s_at	TIMM17A	translocase of inner mitochondrial membrane 17 homolog A (yeast)	0.004988	-1.448778
209585_s_at	MINPP1	multiple inositol polyphosphate histidine phosphatase, 1	0.031121	-1.448458
217807_s_at	GLTSCR2	glioma tumor suppressor candidate region gene 2	0.035163	-1.44668
208634_s_at	MACF1	microtubule-actin crosslinking factor 1	0.005826	-1.446235
204076_at	ENTPD4	ectonucleoside triphosphate diphosphohydrolase 4	0.019211	-1.443915
209921_at	SLC7A11	solute carrier family 7, (cationic amino acid transporter, y+ system) member 11	0.00229	-1.440541
206833_s_at	ACYP2	acylphosphatase 2, muscle type	0.02727	-1.439997
208498_s_at	AMY1A /// AMY1B /// AMY1C /// AMY2A /// AMY2B	amylase, alpha 1A (salivary) /// amylase, alpha 1B (salivary) /// amylase, alpha 1C (salivary) /// amylase, alpha 2A (pancreatic) /// amylase, alpha 2B (pancreatic)	0.011534	-1.437339
209903_s_at	ATR	ataxia telangiectasia and Rad3 related	0.042416	-1.437185
201323_at	EBNA1BP2	EBNA1 binding protein 2	0.023984	-1.436609

Supplemental Table 3

Probe Set ID	Gene Symbol	Gene Title	p-value	FC ¹
200944_s_at	HMGN1	high-mobility group nucleosome binding domain 1	0.002398	-1.435599
202633_at	TOPBP1	topoisomerase (DNA) II binding protein 1	0.003024	-1.435368
219837_s_at	CYTL1	cytokine-like 1	0.024467	-1.433053
204137_at	GPR137B	G protein-coupled receptor 137B	0.002675	-1.432248
206854_s_at	MAP3K7	mitogen-activated protein kinase kinase kinase 7	0.042864	-1.42884
201432_at	CAT	catalase	0.009287	-1.427717
206991_s_at	CCR5	chemokine (C-C motif) receptor 5	0.037772	-1.427339
201268_at	NME1 /// NME1-NME2 /// NME2	non-metastatic cells 1, protein (NM23A) expressed in /// NME1-NME2 readthrough transcript /// non-metastatic cells 2, protein (NM23B) expressed in	0.017997	-1.424869
200807_s_at	HSPD1	heat shock 60kDa protein 1 (chaperonin)	0.021938	-1.422994
209259_s_at	SMC3	structural maintenance of chromosomes 3	0.019379	-1.421257
201897_s_at	CKS1B	CDC28 protein kinase regulatory subunit 1B	0.025411	-1.419375
204787_at	VSIG4	V-set and immunoglobulin domain containing 4	0.039343	-1.419205
202769_at	CCNG2	cyclin G2	0.018123	-1.417986
204276_at	TK2	thymidine kinase 2, mitochondrial	0.016797	-1.417192
218398_at	MRPS30	mitochondrial ribosomal protein S30	0.039969	-1.415594
220597_s_at	ARL6IP4	ADP-ribosylation-like factor 6 interacting protein 4	0.00632	-1.413863
213129_s_at	GCSH	glycine cleavage system protein H (aminomethyl carrier)	0.004935	-1.412811
200050_at	ZNF146	zinc finger protein 146	0.034591	-1.412376
213704_at	RABGGTB	Rab geranylgeranyltransferase, beta subunit	0.018455	-1.410965
203164_at	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	0.036898	-1.408328
220741_s_at	PPA2	pyrophosphatase (inorganic) 2	0.041112	-1.407599
219603_s_at	ZNF226	zinc finger protein 226	8.73E-04	-1.404588
201472_at	VBP1	von Hippel-Lindau binding protein 1	0.016531	-1.40246
204937_s_at	ZNF274	zinc finger protein 274	0.005103	-1.402381
210053_at	TAF5	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 100kDa	0.011385	-1.401323
217976_s_at	DYNC1LI1	dynein, cytoplasmic 1, light intermediate chain 1	0.048524	-1.400378
200955_at	IMMT	inner membrane protein, mitochondrial (mitofilin)	0.018048	-1.399992
204977_at	DDX10	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	0.002372	-1.398975
203740_at	MPHOSPH6	M-phase phosphoprotein 6	0.014562	-1.39789
201479_at	DKC1	dyskeratosis congenita 1, dyskerin	0.03526	-1.396936
215091_s_at	GTF3A	general transcription factor IIIA	0.047918	-1.394851
219155_at	PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1	0.00572	-1.393128
46167_at	TTC4	tetratricopeptide repeat domain 4	0.008343	-1.391874
200070_at	C2orf24	chromosome 2 open reading frame 24	1.35E-04	-1.389959
218437_s_at	LZTFL1	leucine zipper transcription factor-like 1	0.021127	-1.389539
200632_s_at	NDRG1	N-myc downstream regulated 1	0.017444	-1.388701
218316_at	TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)	0.010296	-1.388154
201967_at	RBM6	RNA binding motif protein 6	0.008534	-1.387728
208614_s_at	FLNB	filamin B, beta (actin binding protein 278)	0.028336	-1.386506
202845_s_at	RALBP1	ralA binding protein 1	0.025752	-1.385957

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207513_s_at	ZNF189	zinc finger protein 189	0.004885	-1.38349
201415_at	GSS	glutathione synthetase	0.034368	-1.383289
201803_at	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	0.002624	-1.383121
36711_at	MAFF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	0.040167	-1.382652
201899_s_at	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	0.01289	-1.38248
204744_s_at	IARS	isoleucyl-tRNA synthetase	0.016707	-1.38248
213878_at	PYROXD1	pyridine nucleotide-disulphide oxidoreductase domain 1	0.044859	-1.382474
218158_s_at	APPL1	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1	0.040023	-1.382023
203860_at	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	0.002516	-1.381966
209884_s_at	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	0.002152	-1.380721
212321_at	SGPL1	sphingosine-1-phosphate lyase 1	0.049821	-1.379487
204547_at	RAB40B	RAB40B, member RAS oncogene family	5.82E-05	-1.376966
203645_s_at	CD163	CD163 molecule	0.023758	-1.37649
204146_at	RAD51AP1	RAD51 associated protein 1	0.001568	-1.37425
202813_at	TARBP1	TAR (HIV-1) RNA binding protein 1	0.01496	-1.373256
218098_at	ARFGEF2	ADP-ribosylation factor guanine nucleotide- exchange factor 2 (brefeldin A-inhibited)	0.019282	-1.371787
216733_s_at	GATM	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	0.048613	-1.371298
201833_at	HDAC2	histone deacetylase 2	0.008565	-1.371185
218205_s_at	MKNK2	MAP kinase interacting serine/threonine kinase 2	0.01118	-1.370814
204767_s_at	FEN1	flap structure-specific endonuclease 1	0.005195	-1.370178
218346_s_at	SESN1	sestrin 1	0.02719	-1.369822
212187_x_at	PTGDS	prostaglandin D2 synthase 21kDa (brain)	0.043469	-1.367643
211200_s_at	EFCAB2	EF-hand calcium binding domain 2	1.07E-04	-1.3672
207585_s_at	RPL36AL	ribosomal protein L36a-like	0.037281	-1.366675
202466_at	POLS	polymerase (DNA directed) sigma	0.010297	-1.365832
217942_at	MRPS35	mitochondrial ribosomal protein S35	0.006161	-1.365655
218140_x_at	SRPRB	signal recognition particle receptor, B subunit	0.027581	-1.363504
212990_at	SYNJ1	synaptojanin 1	0.031822	-1.362897
214339_s_at	MAP4K1	mitogen-activated protein kinase kinase kinase kinase 1	0.02323	-1.360425
218082_s_at	UBP1	upstream binding protein 1 (LBP-1a)	0.034151	-1.360198
201358_s_at	COPB1	coatamer protein complex, subunit beta 1	0.004105	-1.360167
203960_s_at	HSPB11	heat shock protein family B (small), member 11	0.040264	-1.360072
218157_x_at	CDC42SE1	CDC42 small effector 1	0.01027	-1.357808
201290_at	SEC11A	SEC11 homolog A (<i>S. cerevisiae</i>)	0.005491	-1.356412
219477_s_at	THSD1 /// THSD1P	thrombospondin, type I, domain containing 1 /// thrombospondin, type I, domain containing 1 pseudogene	0.003321	-1.356257
200816_s_at	PAFAH1B1	platelet-activating factor acetylhydrolase, isoform Ib, subunit 1 (45kDa)	0.002834	-1.355273
218189_s_at	NANS	N-acetylneuraminic acid synthase	0.015638	-1.354484
204651_at	NRF1	nuclear respiratory factor 1	0.019875	-1.354188

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200028_s_at	STARD7	StAR-related lipid transfer (START) domain containing 7	0.016298	-1.35413
202911_at	MSH6	mutS homolog 6 (E. coli)	0.034599	-1.354056
200063_s_at	NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	0.023666	-1.353729
203658_at	SLC25A20	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	0.035022	-1.353432
202144_s_at	ADSL	adenylosuccinate lyase	0.020974	-1.352721
217906_at	KLHDC2	kelch domain containing 2	0.027434	-1.3519
201131_s_at	CDH1	cadherin 1, type 1, E-cadherin (epithelial)	0.026985	-1.35171
203133_at	SEC61B	Sec61 beta subunit	0.025833	-1.350775
220147_s_at	FAM60A	family with sequence similarity 60, member A	0.001159	-1.350513
205812_s_at	TMED9	transmembrane emp24 protein transport domain containing 9	0.004021	-1.349031
201023_at	TAF7	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa	0.037581	-1.347545
209412_at	TRAPPC10	trafficking protein particle complex 10	0.012072	-1.347481
200088_x_at	RPL12	ribosomal protein L12	0.044144	-1.347418
200834_s_at	RPS21	ribosomal protein S21	0.033742	-1.347378
212410_at	EFHA1	EF-hand domain family, member A1	0.031462	-1.34656
205198_s_at	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide	0.029781	-1.345492
204735_at	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	0.035523	-1.345259
218443_s_at	DAZAP1	DAZ associated protein 1	0.047456	-1.344911
202020_s_at	LANCL1	LanC lantibiotic synthetase component C-like 1 (bacterial)	0.033971	-1.343939
202942_at	ETFB	electron-transfer-flavoprotein, beta	0.021049	-1.342804
204067_at	SUOX	sulfite oxidase	0.010708	-1.340262
217956_s_at	ENOPH1	enolase-phosphatase 1	0.031852	-1.340142
220865_s_at	PDSS1	prenyl (decaprenyl) diphosphate synthase, subunit 1	0.018374	-1.338894
209682_at	CBLB	Cas-Br-M (murine) ecotropic retroviral transforming sequence b	0.031912	-1.337636
207543_s_at	P4HA1	prolyl 4-hydroxylase, alpha polypeptide I	0.006848	-1.336898
209444_at	RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1	0.005312	-1.33612
209262_s_at	NR2F6	nuclear receptor subfamily 2, group F, member 6	0.021381	-1.335592
205051_s_at	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	0.027641	-1.335585
218501_at	ARHGEF3	Rho guanine nucleotide exchange factor (GEF) 3	0.016797	-1.33462
210139_s_at	PMP22	peripheral myelin protein 22	0.018127	-1.333749
205281_s_at	PIGA	phosphatidylinositol glycan anchor biosynthesis, class A	0.037462	-1.33275
200840_at	KARS	lysyl-tRNA synthetase	0.00428	-1.332561
210028_s_at	ORC3L	origin recognition complex, subunit 3-like (yeast)	0.019975	-1.331837
202370_s_at	CBFB	core-binding factor, beta subunit	0.009155	-1.330951
209686_at	S100B	S100 calcium binding protein B	0.00141	-1.330833
218171_at	VPS4B	vacuolar protein sorting 4 homolog B (S. cerevisiae)	0.021419	-1.330413
203429_s_at	C1orf9	chromosome 1 open reading frame 9	0.02179	-1.330047

Probe Set ID	Gene Symbol	Gene Title	p-value	FC ¹
204023_at	RFC4	replication factor C (activator 1) 4, 37kDa	0.020539	-1.327295
209492_x_at	ATP5I	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit E	0.033207	-1.327247
203240_at	FCGBP /// LOC100133944	Fc fragment of IgG binding protein /// similar to IgGfc-binding protein precursor (FcgammaBP) (Fcgamma-binding protein antigen)	0.021314	-1.325983
201754_at	COX6C	cytochrome c oxidase subunit VIc	0.037223	-1.325019
212269_s_at	MCM3AP	minichromosome maintenance complex component 3 associated protein	0.048847	-1.321595
205335_s_at	SRP19	signal recognition particle 19kDa	0.037248	-1.321537
200768_s_at	MAT2A	methionine adenosyltransferase II, alpha	0.004076	-1.321015
217922_at			0.016451	-1.320363
204453_at	ZNF84	zinc finger protein 84	0.004658	-1.319057
221564_at	PRMT2	protein arginine methyltransferase 2	0.016167	-1.31843
201458_s_at	BUB3	budding uninhibited by benzimidazoles 3 homolog (yeast)	0.046454	-1.31826
207153_s_at	GLMN	glomulin, FKBP associated protein	0.009865	-1.317852
219595_at	ZNF26	zinc finger protein 26	0.006937	-1.317532
203830_at	C17orf75	chromosome 17 open reading frame 75	0.003362	-1.316948
200783_s_at	STMN1	stathmin 1	0.001073	-1.315419
208898_at	ATP6V1D	ATPase, H ⁺ transporting, lysosomal 34kDa, V1 subunit D	0.014716	-1.314939
204054_at	PTEN	phosphatase and tensin homolog	0.03764	-1.314793
218896_s_at	C17orf85	chromosome 17 open reading frame 85	0.035176	-1.311499
200882_s_at	PSMD4	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	0.019856	-1.310749
207394_at	ZNF137	zinc finger protein 137	0.014718	-1.310613
200095_x_at	RPS10	ribosomal protein S10	4.74E-04	-1.309339
218256_s_at	NUP54	nucleoporin 54kDa	0.039723	-1.309268
208970_s_at	UROD	uroporphyrinogen decarboxylase	0.040959	-1.308135
209694_at	PTS	6-pyruvoyltetrahydropterin synthase	0.013531	-1.307348
204168_at	MGST2	microsomal glutathione S-transferase 2	0.006295	-1.307164
201092_at	RBBP7	retinoblastoma binding protein 7	0.024754	-1.305887
219110_at	GAR1	GAR1 ribonucleoprotein homolog (yeast)	0.003326	-1.303692
204706_at	INPP5E	inositol polyphosphate-5-phosphatase, 72 kDa	0.008263	-1.303341
201758_at	TSG101	tumor susceptibility gene 101	0.004388	-1.303001
219644_at	CCDC41	coiled-coil domain containing 41	0.040521	-1.302059
201031_s_at	HNRNPH1	heterogeneous nuclear ribonucleoprotein H1 (H)	0.037269	-1.301274
202567_at	SNRPD3	small nuclear ribonucleoprotein D3 polypeptide 18kDa	0.033052	-1.301184
205530_at	ETFDH	electron-transferring-flavoprotein dehydrogenase	0.040568	-1.299457
212137_at	LARP1	La ribonucleoprotein domain family, member 1	0.040234	-1.298313
206147_x_at	SCML2	sex comb on midleg-like 2 (Drosophila)	0.006409	-1.296805
203551_s_at	COX11	COX11 homolog, cytochrome c oxidase assembly protein (yeast)	0.005915	-1.296226
208861_s_at	ATRX	alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae)	0.006368	-1.295907
209265_s_at	METTL3	methyltransferase like 3	0.014409	-1.294852

Probe Set ID	Gene Symbol	Gene Title	p-value	FC ¹
202683 s at	RNMT	RNA (guanine-7-) methyltransferase	0.016506	-1.294806
202565 s at	SVIL	supervillin	0.028078	-1.29203
205403 at	IL1R2	interleukin 1 receptor, type II	0.025538	-1.291836
210416 s at	CHEK2	CHK2 checkpoint homolog (S. pombe)	0.006685	-1.289437
218101_s_at	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa	0.008255	-1.288616
202330 s at	UNG	uracil-DNA glycosylase	0.011693	-1.287773
208021 s at	RFC1	replication factor C (activator 1) 1, 145kDa	0.042523	-1.286455
222047_s_at	SRRT	serrate RNA effector molecule homolog (Arabidopsis)	0.025045	-1.286214
202332 at	CSNK1E	casein kinase 1, epsilon	0.011636	-1.28456
221476 s at	RPL15	ribosomal protein L15	0.024132	-1.283709
208718 at	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	0.00231	-1.280978
214224_s_at	PIN4	protein (peptidylprolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin)	0.019275	-1.279943
204873 at	PEX1	peroxisomal biogenesis factor 1	0.006015	-1.278188
209390 at	TSC1	tuberous sclerosis 1	0.008001	-1.278176
209323_at	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	0.0102	-1.275947
218080 x at	FAF1	Fas (TNFRSF6) associated factor 1	0.0269	-1.274998
201969_at	NASP	nuclear autoantigenic sperm protein (histone-binding)	0.00444	-1.273763
205471 s at	DACH1	dachshund homolog 1 (Drosophila)	0.032849	-1.273326
200980 s at	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	0.046748	-1.273117
201429 s at	RPL37A	ribosomal protein L37a	0.022974	-1.272862
206734 at	JRKL	jerky homolog-like (mouse)	0.041874	-1.27137
202811 at	STAMPB	STAM binding protein	0.012711	-1.270746
219394 at	PGS1	phosphatidylglycerophosphate synthase 1	0.01577	-1.270503
215983 s at	UBXN8	UBX domain protein 8	0.005213	-1.270443
202172 at	VEZF1	vascular endothelial zinc finger 1	0.002651	-1.269846
212470 at	SPAG9	sperm associated antigen 9	0.031101	-1.269319
210740 s at	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase	0.001876	-1.269263
218875 s at	FBXO5	F-box protein 5	0.004905	-1.269001
218310_at	RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	0.025287	-1.268607
219282_s_at	TRPV2	transient receptor potential cation channel, subfamily V, member 2	0.017079	-1.267953
201588 at	TXNL1	thioredoxin-like 1	0.016282	-1.264911
218350 s at	GMNN	geminin, DNA replication inhibitor	0.007892	-1.264314
206618 at	IL18R1	interleukin 18 receptor 1	0.010034	-1.264195
200090 at	FNTA	farnesyltransferase, CAAX box, alpha	0.025183	-1.264141
200066 at	IK	IK cytokine, down-regulator of HLA II	0.024999	-1.263686
202910 s at	CD97	CD97 molecule	0.016728	-1.263124
212416 at	SCAMP1	secretory carrier membrane protein 1	0.023633	-1.263027
209509_s_at	DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminophosphotransferase 1 (GlcNAc-1-P transferase)	0.046041	-1.261807
44111 at	VPS33B	vacuolar protein sorting 33 homolog B (yeast)	0.006099	-1.261747
207113_s_at	TNF	tumor necrosis factor (TNF superfamily, member 2)	0.015092	-1.261686
215088_s_at	SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	0.013832	-1.261456

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201032 at	BLCAP	bladder cancer associated protein	0.02651	-1.260406
202871 at	TRAF4	TNF receptor-associated factor 4	0.003112	-1.259724
203624 at	SFRS17A	splicing factor, arginine/serine-rich 17A	0.020357	-1.25939
219366 at	AVEN	apoptosis, caspase activation inhibitor	0.02052	-1.259121
217759 at	TRIM44	tripartite motif-containing 44	0.030989	-1.259001
207128 s at	ZNF223	zinc finger protein 223	0.012619	-1.258346
213326_at	VAMP1	vesicle-associated membrane protein 1 (synaptobrevin 1)	0.029664	-1.258206
204026 s at	ZWINT	ZW10 interactor	1.39E-04	-1.258044
218671 s at	ATPIF1	ATPase inhibitory factor 1	0.041689	-1.257911
201553 s at	LAMP1	lysosomal-associated membrane protein 1	0.044485	-1.257686
213253 at	SMC2	structural maintenance of chromosomes 2	0.002657	-1.256696
202948 at	IL1R1	interleukin 1 receptor, type I	0.005534	-1.256511
209014 at	MAGED1	melanoma antigen family D, 1	0.021983	-1.255892
201587 s at	IRAK1	interleukin-1 receptor-associated kinase 1	0.040864	-1.254047
217873 at	CAB39	calcium binding protein 39	0.018962	-1.253968
203064 s at	FOXK2	forkhead box K2	0.01177	-1.253234
218059 at	ZNF706	zinc finger protein 706	0.04205	-1.250615
205739 x at	ZNF107	zinc finger protein 107	0.019738	-1.249617
201567 s at	GOLGA4	golgi autoantigen, golgin subfamily a, 4	0.037842	-1.249524
204020 at	PURA	purine-rich element binding protein A	0.016167	-1.249041
212672 at	ATM	ataxia telangiectasia mutated	0.034462	-1.248993
202890 at	MAP7	microtubule-associated protein 7	0.039846	-1.247594
200631 s at	SET	SET nuclear oncogene	0.023757	-1.246959
208836_at	ATP1B3	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	0.048975	-1.246263
217740 x at	RPL7A	ribosomal protein L7a	0.029042	-1.245205
204372 s at	KHSRP	KH-type splicing regulatory protein	0.027082	-1.245162
204201_s_at	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	0.047979	-1.244237
218567 x at	DPP3	dipeptidyl-peptidase 3	0.039145	-1.243663
202076 at	BIRC2	baculoviral IAP repeat-containing 2	0.006258	-1.243231
203719_at	ERCC1	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)	0.028998	-1.242247
203538 at	CAMLG	calcium modulating ligand	0.027529	-1.242225
221488_s_at	CUTA	cutA divalent cation tolerance homolog (E. coli)	0.003455	-1.241368
203865_s_at	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	0.037359	-1.241075
212642_s_at	HIVEP2	human immunodeficiency virus type I enhancer binding protein 2	0.037006	-1.239227
203707 at	ZNF263	zinc finger protein 263	0.025275	-1.238764
203499 at	EPHA2	EPH receptor A2	0.012758	-1.23868
205467_at	CASP10	caspase 10, apoptosis-related cysteine peptidase	0.036795	-1.238207
201099 at	USP9X	ubiquitin specific peptidase 9, X-linked	0.012968	-1.237731
203826_s_at	PITPNM1	phosphatidylinositol transfer protein, membrane-associated 1	0.028349	-1.237715
201612_at	ALDH9A1	aldehyde dehydrogenase 9 family, member A1	0.026492	-1.237301
243 g at	MAP4	microtubule-associated protein 4	0.013813	-1.235816
212455 at	YTHDC1	YTH domain containing 1	0.032795	-1.235305

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218877_s_at	TRMT11	tRNA methyltransferase 11 homolog (S. cerevisiae)	0.013144	-1.234868
208644_at	PARP1	poly (ADP-ribose) polymerase 1	0.049505	-1.234839
202646_s_at	CSDE1	cold shock domain containing E1, RNA-binding	0.036735	-1.233838
219123_at	ZNF232	zinc finger protein 232	0.031015	-1.233161
208833_s_at	ATXN10	ataxin 10	0.026304	-1.233125
208714_at	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	0.046417	-1.232852
202522_at	PITPNB	phosphatidylinositol transfer protein, beta	0.023764	-1.231788
215093_at	NSDHL	NAD(P) dependent steroid dehydrogenase-like	0.003725	-1.231273
204244_s_at	DBF4	DBF4 homolog (S. cerevisiae)	0.006264	-1.231023
217913_at	VPS4A	vacuolar protein sorting 4 homolog A (S. cerevisiae)	0.010958	-1.229724
214375_at	LOC729222 /// PPFIBP1	similar to mKIAA1230 protein /// PTPRF interacting protein, binding protein 1 (liprin beta 1)	0.026813	-1.228878
201227_s_at	NDUFB8	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	0.007972	-1.22818
200016_x_at	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1	0.042147	-1.225578
200870_at	STRAP	serine/threonine kinase receptor associated protein	0.030766	-1.22533
202959_at	MUT	methylmalonyl Coenzyme A mutase	0.04119	-1.225048
214179_s_at	NFE2L1	nuclear factor (erythroid-derived 2)-like 1	0.006754	-1.224599
218715_at	UTP6	UTP6, small subunit (SSU) processome component, homolog (yeast)	0.023246	-1.224227
202054_s_at	ALDH3A2	aldehyde dehydrogenase 3 family, member A2	0.029289	-1.223652
202245_at	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	0.040743	-1.222256
202294_at	STAG1	stromal antigen 1	0.023315	-1.219834
200092_s_at	RPL37	ribosomal protein L37	0.007735	-1.21941
205247_at	NOTCH4	Notch homolog 4 (Drosophila)	0.009896	-1.21845
214199_at	SFTPD	surfactant protein D	0.007025	-1.21843
201503_at	G3BP1	GTPase activating protein (SH3 domain) binding protein 1	0.044418	-1.218145
202486_at	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	0.010098	-1.217782
201575_at	SNW1	SNW domain containing 1	0.031583	-1.217654
213396_s_at			0.014688	-1.217384
202395_at	NSF	N-ethylmaleimide-sensitive factor	0.035116	-1.217129
202505_at	SNRPB2	small nuclear ribonucleoprotein polypeptide B"	0.018268	-1.216343
218452_at	SMARCAL1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	0.017754	-1.215815
203818_s_at	SF3A3	splicing factor 3a, subunit 3, 60kDa	0.046895	-1.214964
213377_x_at	RPS12	ribosomal protein S12	0.021873	-1.213615
209503_s_at	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	2.82E-04	-1.213153
202780_at	OXCT1	3-oxoacid CoA transferase 1	0.0389	-1.212905
203554_x_at	PTTG1	pituitary tumor-transforming 1	0.044105	-1.209951
215274_at	SLC12A3	solute carrier family 12 (sodium/chloride transporters), member 3	0.035574	-1.209516

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200051_at	SART1	squamous cell carcinoma antigen recognized by T cells	0.038887	-1.209486
202209_at	LSM3	LSM3 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	0.018136	-1.209188
200957_s at	SSRP1	structure specific recognition protein 1	0.008214	-1.208224
209141_at	UBE2G1	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast)	0.010525	-1.207962
204173_at	MYL6B	myosin, light chain 6B, alkali, smooth muscle and non-muscle	0.001452	-1.206692
220748_s at	ZNF580	zinc finger protein 580	0.001088	-1.205611
212331_at	RBL2	retinoblastoma-like 2 (p130)	0.046257	-1.203633
208109_s at	C15orf5	chromosome 15 open reading frame 5	0.016224	-1.203302
202276_at	SHFM1	split hand/foot malformation (ectrodactyly) type 1	0.005199	-1.203172
204226_at	STAU2	staufen, RNA binding protein, homolog 2 (<i>Drosophila</i>)	0.038204	-1.20301
209623_at	MCCC2	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	0.008308	-1.202742
201115_at	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	0.022698	-1.202362
201336_at	VAMP3	vesicle-associated membrane protein 3 (cellubrevin)	0.035739	-1.201639
200062_s at	RPL30	ribosomal protein L30	0.016179	-1.200388
202735_at	EBP	emopamil binding protein (sterol isomerase)	0.047829	-1.198808
211149_at	UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked	0.024229	-1.198687
217484_at	CR1	complement component (3b/4b) receptor 1 (Knops blood group)	0.01431	-1.1981
205231_s at	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	0.014234	-1.197381
218470_at	YARS2	tyrosyl-tRNA synthetase 2, mitochondrial	0.022525	-1.19649
201492_s at	RPL41	ribosomal protein L41	0.002023	-1.195936
204295_at	SURF1 /// VPS37A	surfeit 1 /// vacuolar protein sorting 37 homolog A (<i>S. cerevisiae</i>)	0.04763	-1.195611
204449_at	PDCL	phosducin-like	0.029084	-1.195193
202734_at	TRIP10	thyroid hormone receptor interactor 10	0.030893	-1.193694
209731_at	NTHL1	nth endonuclease III-like 1 (<i>E. coli</i>)	0.026811	-1.193536
221654_s at	USP3	ubiquitin specific peptidase 3	0.037921	-1.19252
49679_s at	EDEM2	ER degradation enhancer, mannosidase alpha-like 2	0.038942	-1.192056
205672_at	XPA	xeroderma pigmentosum, complementation group A	0.029695	-1.18922
220046_s at	CCNL1	cyclin L1	0.016029	-1.187407
203565_s at	MNAT1	menage a trois homolog 1, cyclin H assembly factor (<i>Xenopus laevis</i>)	0.03544	-1.186069
202603_at			0.029505	-1.185382
41220_at	9-Sep	septin 9	0.042984	-1.185353
206314_at	ZNF167	zinc finger protein 167	0.043018	-1.18511
204336_s at	RGS19	regulator of G-protein signaling 19	0.031126	-1.185062
217968_at	TSSC1	tumor suppressing subtransferable candidate 1	0.037102	-1.183335
212429_s at	GTF3C2	general transcription factor IIIC, polypeptide 2, beta 110kDa	0.017856	-1.182704
205129_at	NPM3	nucleophosmin/nucleoplasmin, 3	0.013417	-1.182381

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213282_at	APOOL	Apolipoprotein O-like	0.042678	-1.181679
208768_x_at	RPL22	ribosomal protein L22	0.033809	-1.178821
213857_s_at	CD47	CD47 molecule	0.038283	-1.177872
203353_s_at	MBD1	methyl-CpG binding domain protein 1	0.01361	-1.175336
205013_s_at	ADORA2A	adenosine A2a receptor	0.03037	-1.175029
201574_at	ETF1	eukaryotic translation termination factor 1	0.029078	-1.174351
202529_at	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	0.014447	-1.174333
219401_at	XYLT2	xylosyltransferase II	0.018192	-1.173364
208374_s_at	CAPZA1	capping protein (actin filament) muscle Z-line, alpha 1	0.04906	-1.172722
212685_s_at	TBL2	transducin (beta)-like 2	0.044906	-1.172074
200926_at	RPS23	ribosomal protein S23	0.033336	-1.171233
203320_at	SH2B3	SH2B adaptor protein 3	0.035668	-1.170433
201807_at	VPS26A	vacuolar protein sorting 26 homolog A (S. pombe)	0.04862	-1.169732
200961_at	SEPHS2	selenophosphate synthetase 2	0.037355	-1.168174
220143_x_at	LUC7L	LUC7-like (S. cerevisiae)	0.003686	-1.167796
217938_s_at	KCMF1	potassium channel modulatory factor 1	0.032165	-1.166698
207987_s_at	GNRH1	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)	0.002343	-1.165794
207916_at	RBMV1E	RNA binding motif protein, Y-linked, family 1, member E	0.034712	-1.165472
203987_at	FZD6	frizzled homolog 6 (Drosophila)	0.04733	-1.163978
201987_at	MED13	mediator complex subunit 13	0.046911	-1.162948
207071_s_at	ACO1	aconitase 1, soluble	0.017574	-1.159236
201976_s_at	MYO10	myosin X	0.016946	-1.159148
200674_s_at	RPL32	ribosomal protein L32	0.033592	-1.158966
207625_s_at	CBFA2T2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2	0.017902	-1.157232
208904_s_at	RPS28	ribosomal protein S28	0.017699	-1.155741
203778_at	MANBA	mannosidase, beta A, lysosomal	0.022444	-1.155276
212971_at	CARS	cysteinyl-tRNA synthetase	0.032115	-1.154918
203103_s_at	PRPF19	PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae)	0.011262	-1.154254
209550_at	NDN	necdin homolog (mouse)	0.046536	-1.1533
203098_at	CDYL	chromodomain protein, Y-like	0.029075	-1.152169
207166_at	GNGT1	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1	5.88E-04	-1.151523
216960_s_at	ZNF133	zinc finger protein 133	0.035094	-1.150678
210533_at	MSH4	mutS homolog 4 (E. coli)	9.68E-04	-1.150613
200026_at	RPL34	ribosomal protein L34	0.037206	-1.149944
212983_at	HRAS	v-Ha-ras Harvey rat sarcoma viral oncogene homolog	0.044223	-1.149253
200043_at	ERH	enhancer of rudimentary homolog	0.045647	-1.149078
202474_s_at	HCFC1	host cell factor C1 (VP16-accessory protein)	0.00706	-1.148561
200694_s_at	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	0.037174	-1.14734
206592_s_at	AP3D1	adaptor-related protein complex 3, delta 1 subunit	0.021029	-1.144383
220452_x_at			0.015112	-1.143673
205227_at	IL1RAP	interleukin 1 receptor accessory protein	0.01805	-1.141207
206585_at	MKRN3	makorin ring finger protein 3	0.01513	-1.14017
204740_at	CNKS1R	connector enhancer of kinase suppressor of Ras 1	0.028247	-1.140056

Probe Set ID	Gene Symbol	Gene Title	p-value	FC ¹
204161_s_at	ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function)	0.023826	-1.13901
203905_at	PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	0.018453	-1.138555
214114_x_at	FASTK	Fas-activated serine/threonine kinase	0.021865	-1.138485
206653_at	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	0.019623	-1.135854
208825_x_at	RPL23A	ribosomal protein L23a	0.044944	-1.134429
205588_s_at	FGFR1OP	FGFR1 oncogene partner	0.019958	-1.133379
209054_s_at	WHSC1	Wolf-Hirschhorn syndrome candidate 1	4.05E-04	-1.133183
203810_at	DNAJB4	DnaJ (Hsp40) homolog, subfamily B, member 4	0.033864	-1.132115
209988_s_at	ASCL1	achaete-scute complex homolog 1 (Drosophila)	0.026848	-1.129339
207168_s_at	H2AFY	H2A histone family, member Y	0.01266	-1.129084
203395_s_at	HES1	hairy and enhancer of split 1, (Drosophila)	0.020441	-1.128923
200018_at	RPS13	ribosomal protein S13	0.026344	-1.127022
203238_s_at	NOTCH3	Notch homolog 3 (Drosophila)	0.040501	-1.126735
207630_s_at	CREM	cAMP responsive element modulator	0.041601	-1.125145
200911_s_at	TACC1	transforming, acidic coiled-coil containing protein 1	0.023294	-1.124888
220663_at	IL1RAPL1	interleukin 1 receptor accessory protein-like 1	0.014027	-1.124481
203984_s_at	CASP9	caspase 9, apoptosis-related cysteine peptidase	0.029433	-1.124305
204955_at	SRPX	sushi-repeat-containing protein, X-linked	0.038475	-1.122609
201215_at	PLS3	plastin 3 (T isoform)	0.013953	-1.121764
219105_x_at	ORC6L	origin recognition complex, subunit 6 like (yeast)	0.015536	-1.121693
219962_at	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	0.026658	-1.121011
206007_at	PRG4	proteoglycan 4	0.02773	-1.12056
204940_at	PLN	phospholamban	0.031048	-1.116849
210674_s_at	PCDHA1 /// PCDHA10 /// PCDHA11 /// PCDHA12 /// PCDHA13 /// PCDHA2 /// PCDHA3 /// PCDHA4 /// PCDHA5 /// PCDHA6 /// PCDHA7 /// PCDHA8 /// PCDHA9 /// PCDHAC1 /// PCDHAC2	protocadherin alpha 1 /// protocadherin alpha 10 /// protocadherin alpha 11 /// protocadherin alpha 12 /// protocadherin alpha 13 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// protocadherin alpha 5 /// protocadherin alpha 6 /// protocadherin alpha 7 /// protocadherin alpha 8 /// protocadherin alpha 9 /// protocadherin alpha subfamily C, 1 /// protocadherin alpha subfamily C, 2	0.039044	-1.116128
205687_at	UBFD1	ubiquitin family domain containing 1	0.045594	-1.115107
207717_s_at	PKP2	plakophilin 2	0.034102	-1.113379
219436_s_at	EMCN	endomucin	0.034258	-1.109412
217789_at	SNX6	sorting nexin 6	0.016161	-1.109328
206096_at	ZNF35	zinc finger protein 35	0.015952	-1.109084
206579_at	ZNF192	zinc finger protein 192	0.028064	-1.108046

Probe Set ID	Gene Symbol	Gene Title	p-value	FC ¹
204027_s_at	METTL1	methyltransferase like 1	0.036291	-1.107172
205803_s_at	TRPC1	transient receptor potential cation channel, subfamily C, member 1	0.049607	-1.106898
219553_at	NME7	non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase)	0.019133	-1.105512
210661_at	GLRA3	glycine receptor, alpha 3	0.048815	-1.104082
204932_at	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b	0.021655	-1.103223
219004_s_at	C21orf45	chromosome 21 open reading frame 45	0.015232	-1.100333
202183_s_at	KIF22	kinesin family member 22	0.015187	-1.097627
200012_x_at	RPL21	ribosomal protein L21	0.041391	-1.092088
213150_at	HOXA10	homeobox A10	0.037894	-1.090867
203862_s_at	ACTN2	actinin, alpha 2	0.01591	-1.088949
205680_at	MMP10	matrix metalloproteinase 10 (stromelysin 2)	0.038159	-1.088879
214254_at	MAGEA4	melanoma antigen family A, 4	0.043088	-1.088684
201719_s_at	EPB41L2	erythrocyte membrane protein band 4.1-like 2	0.013875	-1.08828
200741_s_at	RPS27	ribosomal protein S27	0.032963	-1.087859
203874_s_at	SMARCA1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1	0.047639	-1.087044
201546_at	TRIP12	thyroid hormone receptor interactor 12	0.038537	-1.084035
210467_x_at	MAGEA12	melanoma antigen family A, 12	0.042232	-1.083377
220247_at	CASC5	cancer susceptibility candidate 5	0.026935	-1.083365
206418_at	NOX1	NADPH oxidase 1	0.032443	-1.08215
219195_at	PPARGC1A	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	0.042607	-1.080839
205111_s_at	PLCE1	phospholipase C, epsilon 1	0.002798	-1.079641
220124_at	GAN	gigaxonin	0.021066	-1.077708
206426_at	MLANA	melan-A	0.037837	-1.07384
201289_at	CYR61	cysteine-rich, angiogenic inducer, 61	0.037475	-1.071506
206994_at	CST4	cystatin S	0.012239	-1.070212
205837_s_at	GYPA	glycophorin A (MNS blood group)	0.008365	-1.063412
207406_at	CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	0.02663	-1.062789
219106_s_at	KBTBD10	kelch repeat and BTB (POZ) domain containing 10	0.024735	-1.060698
201667_at	GJA1	gap junction protein, alpha 1, 43kDa	0.046324	-1.054293
208951_at	ALDH7A1	aldehyde dehydrogenase 7 family, member A1	0.018477	-1.05403
206898_at	CDH19	cadherin 19, type 2	0.033309	-1.048722
206415_at	TLL1	tolloid-like 1	0.026415	-1.027052
219494_at	RAD54B	RAD54 homolog B (<i>S. cerevisiae</i>)	0.027549	1.035505
208338_at	P2RX3	purinergic receptor P2X, ligand-gated ion channel, 3	0.009958	1.041138
207454_at	GRIK3	glutamate receptor, ionotropic, kainate 3	0.038383	1.049683
203400_s_at	TF	transferrin	0.049708	1.061712
204388_s_at	MAOA	monoamine oxidase A	0.046794	1.065578
209172_s_at	CENPF	centromere protein F, 350/400ka (mitosin)	0.03772	1.070065
208536_s_at	BCL2L11	BCL2-like 11 (apoptosis facilitator)	0.020071	1.071623
210390_s_at	CCL14 /// CCL15	chemokine (C-C motif) ligand 14 /// chemokine (C-C motif) ligand 15	0.044852	1.072804
216030_s_at	SEMG2	semenogelin II	0.027545	1.073124
206127_at	ELK3	ELK3, ETS-domain protein (SRF accessory protein 2)	0.015012	1.078576

Probe Set ID	Gene Symbol	Gene Title	p-value	FC ¹
208170 s at	TRIM31	tripartite motif-containing 31	0.031558	1.078729
210036_s_at	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	0.036922	1.079396
221364 at	GRID2	glutamate receptor, ionotropic, delta 2	0.03645	1.083898
206878 at	DAO	D-amino-acid oxidase	0.003479	1.084344
206647 at	HBZ	hemoglobin, zeta	0.041063	1.088662
202493_x_at	CSH1	chorionic somatomammotropin hormone 1 (placental lactogen)	0.025748	1.0902
207690 at	ALX3	ALX homeobox 3	0.033562	1.091359
212819 at	ASB1	ankyrin repeat and SOCS box-containing 1	0.049234	1.09334
211475 s at	BAG1	BCL2-associated athanogene	0.043514	1.09513
220738_s_at	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	0.042096	1.095669
206311 s at	PLA2G1B	phospholipase A2, group IB (pancreas)	0.038723	1.097424
206642 at	DSG1	desmoglein 1	0.010552	1.097579
208508_s_at	OR2J2	olfactory receptor, family 2, subfamily J, member 2	0.001899	1.098771
203797 at	VSNL1	visinin-like 1	0.017734	1.099366
206034_at	SERPINB8	serpin peptidase inhibitor, clade B (ovalbumin), member 8	0.030971	1.100282
211006_s_at	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	0.025253	1.100607
206231_at	KCNN1	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1	0.04547	1.101346
207510 at	BDKRB1	bradykinin receptor B1	0.04998	1.101416
205886 at	REG1B	regenerating islet-derived 1 beta	0.032557	1.106191
207281 x at	VCX2	variable charge, X-linked 2	0.039545	1.106487
209368 at	EPHX2	epoxide hydrolase 2, cytoplasmic	0.033848	1.106831
203570 at	LOXL1	lysyl oxidase-like 1	0.042942	1.108748
200600 at	MSN	moesin	0.004301	1.110167
204919 at	PRR4	proline rich 4 (lacrimal)	0.041702	1.112078
221200 at			0.028195	1.115331
221001 at	C15orf49	chromosome 15 open reading frame 49	0.020345	1.115552
205064 at	SPRR1B	small proline-rich protein 1B (cornifin)	0.041178	1.116048
209951 s at	MAP2K7	mitogen-activated protein kinase kinase 7	0.023759	1.117086
209464 at	AURKB	aurora kinase B	0.034756	1.11901
220136 s at	CRYBA2	crystallin, beta A2	0.027152	1.119529
214270_s_at	MAPRE3	microtubule-associated protein, RP/EB family, member 3	0.001268	1.120733
214067 at	C16orf42	chromosome 16 open reading frame 42	0.048826	1.121742
211535 s at	FGFR1	fibroblast growth factor receptor 1	0.04432	1.122175
208449 s at	FGF8	fibroblast growth factor 8 (androgen-induced)	0.012773	1.122654
221325 at	KCNK13	potassium channel, subfamily K, member 13	0.02412	1.123874
207919 at	ART1	ADP-ribosyltransferase 1	0.027718	1.124519
221149 at	GPR77	G protein-coupled receptor 77	0.034556	1.12492
205132 at	ACTC1	actin, alpha, cardiac muscle 1	0.047744	1.12538
221411 at	HOXD12	homeobox D12	0.014546	1.127351
208207 at			0.023134	1.129705
205130 at	RAGE	renal tumor antigen	0.011635	1.130069
207451 at	NKX2-8	NK2 homeobox 8	0.017328	1.131454
203142_s_at	AP3B1	adaptor-related protein complex 3, beta 1 subunit	0.035533	1.133007
209978 s at	LPA /// PLG	lipoprotein, Lp(a) /// plasminogen	0.045014	1.133038

Probe Set ID	Gene Symbol	Gene Title	p-value	FC ¹
219697_at	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2	0.016746	1.134933
207852_at	CXCL5	chemokine (C-X-C motif) ligand 5	0.049596	1.135551
209830_s_at	SLC9A3R2	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2	0.024864	1.135622
207652_s_at	CMKLR1	chemokine-like receptor 1	0.044475	1.136134
205167_s_at	CDC25C	cell division cycle 25 homolog C (S. pombe)	0.035902	1.136837
206906_at	ICAM5	intercellular adhesion molecule 5, telencephalin	0.048147	1.142529
208582_s_at	DUX1 /// DUX3 /// DUX5	double homeobox, 1 /// double homeobox, 3 /// double homeobox, 5	0.028191	1.143411
203892_at	WFDC2	WAP four-disulfide core domain 2	0.026207	1.143455
210546_x_at	CTAG1A /// CTAG1B	cancer/testis antigen 1A /// cancer/testis antigen 1B	0.048393	1.144316
206246_at	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	0.04691	1.14503
220413_at	SLC39A2	solute carrier family 39 (zinc transporter), member 2	0.043215	1.146235
208060_at	PAX7	paired box 7	0.042131	1.146926
221043_at			0.044787	1.147709
208333_at	LHX5	LIM homeobox 5	0.022982	1.148507
213209_at	TAF6L	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa	0.010671	1.15006
40489_at	ATN1	atrophin 1	0.015806	1.150323
204777_s_at	MAL	mal, T-cell differentiation protein	0.049996	1.151359
208541_x_at	TFAM	transcription factor A, mitochondrial	0.013033	1.151753
212118_at	TRIM27	tripartite motif-containing 27	0.026429	1.152003
207670_at	KRT85	keratin 85	0.026457	1.152079
220778_x_at	SEMA6B	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	0.040222	1.152372
206735_at	CHRNA4	cholinergic receptor, nicotinic, alpha 4	0.028134	1.152496
206527_at	ABAT	4-aminobutyrate aminotransferase	0.022014	1.153859
221456_at	TAS2R3	taste receptor, type 2, member 3	0.041293	1.157348
201862_s_at	LRRFIP1	leucine rich repeat (in FLII) interacting protein 1	0.022682	1.1582
221424_s_at	OR51E2	olfactory receptor, family 51, subfamily E, member 2	0.025368	1.159541
220888_s_at	CASS4	Cas scaffolding protein family member 4	0.044957	1.16023
216617_s_at	MAG	myelin associated glycoprotein	9.17E-06	1.160413
204819_at	FGD1	FYVE, RhoGEF and PH domain containing 1	0.02941	1.161892
206649_s_at	TFE3	transcription factor binding to IGHM enhancer 3	0.039279	1.16375
201911_s_at	FARP1	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)	0.044203	1.164321
202996_at	POLD4	polymerase (DNA-directed), delta 4	0.03956	1.165606
208819_at	RAB8A	RAB8A, member RAS oncogene family	0.042596	1.165865
220440_at	LGALS13	lectin, galactoside-binding, soluble, 13	0.007579	1.166535
209159_s_at	NDRG4	NDRG family member 4	0.02034	1.167128
205985_x_at	CLCNKB	chloride channel Kb	0.03546	1.167378
211249_at	GPR68	G protein-coupled receptor 68	0.001265	1.167413
207139_at	ATP4A	ATPase, H ⁺ /K ⁺ exchanging, alpha polypeptide	0.037554	1.167533
207964_x_at	IFNA4	interferon, alpha 4	0.028481	1.168543

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206099_at	PRKCH	protein kinase C, eta	0.001099	1.1699
221454_at	BOK	BCL2-related ovarian killer	0.022759	1.170107
212067_s_at	C1R	complement component 1, r subcomponent	0.024278	1.171525
213112_s_at	SQSTM1	sequestosome 1	0.029639	1.172332
208552_at	GRIK4	glutamate receptor, ionotropic, kainate 4	0.038004	1.172625
208689_s_at	RPN2	ribophorin II	0.03118	1.17446
216092_s_at	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	0.025553	1.175789
206575_at	CDKL5	cyclin-dependent kinase-like 5	0.023711	1.176066
206436_at	MPPED1	metallophosphoesterase domain containing 1	0.01736	1.176163
205716_at	SLC25A40	solute carrier family 25, member 40	0.011639	1.176535
204969_s_at	RDX	radixin	0.003001	1.178774
200078_s_at	ATP6V0B	ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b	0.027061	1.17902
203457_at	STX7	syntaxin 7	0.012034	1.17985
209391_at	DPM2	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit	0.007423	1.181425
202261_at	VPS72	vacuolar protein sorting 72 homolog (S. cerevisiae)	0.00937	1.182307
221073_s_at	NOD1	nucleotide-binding oligomerization domain containing 1	7.46E-04	1.184063
203006_at	INPP5A	inositol polyphosphate-5-phosphatase, 40kDa	0.048325	1.185121
216860_s_at	GDF11	growth differentiation factor 11	0.049861	1.185507
207771_at	SLC5A2	solute carrier family 5 (sodium/glucose cotransporter), member 2	0.035883	1.189084
34689_at	TREX1	three prime repair exonuclease 1	0.024929	1.189115
220605_s_at	SIRT2	sirtuin (silent mating type information regulation 2 homolog) 2 (S. cerevisiae)	0.02955	1.195475
205226_at	PDGFRL	platelet-derived growth factor receptor-like	0.048144	1.195757
203183_s_at	SMARCD1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1	7.73E-04	1.196918
211817_s_at	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	0.039886	1.197917
201276_at	RAB5B	RAB5B, member RAS oncogene family	0.029535	1.198106
206184_at	CRKL	v-crk sarcoma virus CT10 oncogene homolog (avian)-like	0.038915	1.199991
206709_x_at	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	0.042682	1.200457
215116_s_at	DNM1	dynamitin 1	0.024226	1.201313
209592_s_at	WDR68	WD repeat domain 68	1.79E-04	1.202246
1773_at	FNTB	farnesyltransferase, CAAX box, beta	0.025674	1.202594
207789_s_at	DPP6	dipeptidyl-peptidase 6	0.044947	1.204306
214506_at	GPR182	G protein-coupled receptor 182	0.021472	1.209767
202403_s_at	COL1A2	collagen, type I, alpha 2	0.015155	1.211353
206073_at	COLQ	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	0.026917	1.211496
220790_s_at	MS4A5	membrane-spanning 4-domains, subfamily A, member 5	0.042617	1.212279
206955_at	AQP7	aquaporin 7	0.036785	1.214493
210237_at	ARTN	artemin	0.042344	1.217349
207824_s_at	MAZ	MYC-associated zinc finger protein (purine-binding transcription factor)	0.042984	1.21778

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218412 s at	GTF2IRD1	GTF2I repeat domain containing 1	0.025578	1.219156
221581_s_at	LAT2	linker for activation of T cells family, member 2	0.029334	1.220306
220779 at	PADI3	peptidyl arginine deiminase, type III	0.021804	1.220766
213492 at	COL2A1	collagen, type II, alpha 1	0.030748	1.221947
220483 s at	RNF19A	ring finger protein 19A	0.017533	1.22223
206174 s at	PPP6C	protein phosphatase 6, catalytic subunit	0.030841	1.223205
204360 s at	NAGLU	N-acetylglucosaminidase, alpha-	0.028479	1.224293
208372 s at	LIMK1	LIM domain kinase 1	0.04713	1.224632
221083_at	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	0.043665	1.225075
207396_s_at	ALG3	asparagine-linked glycosylation 3, alpha-1,3-mannosyltransferase homolog (S. cerevisiae)	0.041231	1.226139
217930 s at	TOLLIP	toll interacting protein	0.047263	1.226591
206620 at	GRAP	GRB2-related adaptor protein	0.045515	1.226983
203175 at	RHOG	ras homolog gene family, member G (rho G)	0.043357	1.226984
208497 x at	NEUROG1	neurogenin 1	0.027924	1.227003
205965_at	BATF	basic leucine zipper transcription factor, ATF-like	0.008146	1.227436
214460 at	LSAMP	limbic system-associated membrane protein	0.013016	1.232345
207666 x at	SSX3	synovial sarcoma, X breakpoint 3	0.026696	1.233604
204776 at	THBS4	thrombospondin 4	0.039685	1.23376
218318 s at	NLK	nemo-like kinase	0.006341	1.239909
220924 s at	SLC38A2	solute carrier family 38, member 2	0.038297	1.242456
208829 at	TAPBP	TAP binding protein (tapasin)	0.009208	1.243498
207289 at	MMP25	matrix metalloproteinase 25	0.019048	1.247929
222212 s at	LASS2	LAG1 homolog, ceramide synthase 2	0.016902	1.248995
203370 s at	PDLIM7	PDZ and LIM domain 7 (enigma)	0.026555	1.250139
220565_at	CCR10	chemokine (C-C motif) receptor 10	0.023593	1.251783
206370_at	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	0.022213	1.252036
208649 s at	VCP	valosin-containing protein	0.017853	1.254319
210328 at	GNMT	glycine N-methyltransferase	0.005395	1.254975
219634_at	CHST11	carbohydrate (chondroitin 4) sulfotransferase 11	0.002211	1.258414
206406_at	SMCP	sperm mitochondria-associated cysteine-rich protein	0.005051	1.258454
203788_s_at	SEMA3C	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	0.040624	1.258559
202448 s at	ZER1	zer-1 homolog (C. elegans)	0.008911	1.259189
202990 at	PYGL	phosphorylase, glycogen, liver	0.03748	1.261038
204636 at	COL17A1	collagen, type XVII, alpha 1	0.002791	1.26447
202274 at	ACTG2	actin, gamma 2, smooth muscle, enteric	0.031681	1.264693
201051_at	ANP32A	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	0.027013	1.266187
219931 s at	KLHL12	kelch-like 12 (Drosophila)	0.023958	1.269794
203267_s_at	DRG2	developmentally regulated GTP binding protein 2	0.016568	1.270417
205566 at	ABHD2	abhydrolase domain containing 2	0.039474	1.272318
212581 x at	GAPDH	glyceraldehyde-3-phosphate dehydrogenase	0.005112	1.272603
206604 at	OVOL1	ovo-like 1 (Drosophila)	0.039437	1.273447
203293 s at	LMAN1	lectin, mannose-binding, 1	0.01654	1.274964

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209093_s_at	GBA /// GBAP	glucosidase, beta; acid (includes glucosylceramidase) /// glucosidase, beta; acid, pseudogene	5.04E-04	1.276938
204109_s_at	NFYA	nuclear transcription factor Y, alpha	0.020116	1.278089
205205_at	RELB	v-rel reticuloendotheliosis viral oncogene homolog B	0.013795	1.279295
206331_at	CALCRL	calcitonin receptor-like	0.019249	1.280508
214549_x_at	SPRR1A	small proline-rich protein 1A	0.021816	1.28126
210761_s_at	GRB7	growth factor receptor-bound protein 7	2.77E-04	1.282973
216203_at	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	0.008352	1.2834
207387_s_at	GK	glycerol kinase	0.048115	1.283903
219210_s_at	RAB8B	RAB8B, member RAS oncogene family	0.047593	1.284936
207863_at	ADPRH	ADP-ribosylarginine hydrolase	0.006023	1.288328
201052_s_at	PSMF1	proteasome (prosome, macropain) inhibitor subunit 1 (PI31)	0.002147	1.293265
207053_at	SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	0.046439	1.296605
201895_at	ARAF	v-ras murine sarcoma 3611 viral oncogene homolog	0.025175	1.301205
207645_s_at	CHD1L	chromodomain helicase DNA binding protein 1-like	0.004937	1.302857
221676_s_at	CORO1C	coronin, actin binding protein, 1C	9.18E-04	1.305609
206757_at	PDE5A	phosphodiesterase 5A, cGMP-specific	0.047704	1.307216
208168_s_at	CHIT1	chitinase 1 (chitotriosidase)	4.46E-05	1.307784
207291_at	PRRG4	proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane)	0.02999	1.314426
208967_s_at	AK2	adenylate kinase 2	0.048075	1.315434
201721_s_at	LAPTM5	lysosomal multispinning membrane protein 5	0.006416	1.325503
217811_at	SELT	selenoprotein T	0.040029	1.327006
210263_at	KCNF1	potassium voltage-gated channel, subfamily F, member 1	0.009692	1.331292
200975_at	PPT1	palmitoyl-protein thioesterase 1	0.034553	1.331644
217007_s_at	ADAM15	ADAM metalloproteinase domain 15	0.02076	1.334653
205536_at	VAV2	vav 2 guanine nucleotide exchange factor	0.040358	1.335724
220566_at	PIK3R5	phosphoinositide-3-kinase, regulatory subunit 5	0.015814	1.33768
205237_at	FCN1	ficollin (collagen/fibrinogen domain containing) 1	0.011061	1.338739
207677_s_at	NCF4	neutrophil cytosolic factor 4, 40kDa	0.040164	1.338883
220442_at	GALNT4 /// WDR51B	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 4 (GalNAc-T4) /// WD repeat domain 51B	0.007203	1.340796
204864_s_at	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	0.024634	1.343797
208270_s_at	RNPEP	arginyl aminopeptidase (aminopeptidase B)	0.04087	1.344716
221300_at	C15orf2	chromosome 15 open reading frame 2	0.0032	1.344737
211337_s_at	TUBGCP4	tubulin, gamma complex associated protein 4	0.005842	1.354493
204418_x_at	GSTM2	glutathione S-transferase mu 2 (muscle)	0.039361	1.356734
210649_s_at	ARID1A	AT rich interactive domain 1A (SWI-like)	0.007146	1.35949
203005_at	LTBR	lymphotoxin beta receptor (TNFR superfamily, member 3)	0.016719	1.361281
219628_at	ZMAT3	zinc finger, matrin type 3	0.011639	1.363516

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206753 at	RDH16	retinol dehydrogenase 16 (all-trans)	0.006536	1.364994
205698 s at	MAP2K6	mitogen-activated protein kinase kinase 6	0.009731	1.366831
211302_s_at	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	0.023914	1.367672
204038 s at	LPAR1	lysophosphatidic acid receptor 1	0.003496	1.36829
207275_s_at	ACSL1	acyl-CoA synthetase long-chain family member 1	0.026214	1.369738
216537 s at	SIGLEC7	sialic acid binding Ig-like lectin 7	0.001788	1.373792
222065 s at	FLII	flightless I homolog (Drosophila)	0.020091	1.380638
202947 s at	GYPC	glycophorin C (Gerbich blood group)	0.04807	1.383429
33646 g at	GM2A	GM2 ganglioside activator	0.026504	1.385115
201136_at	PLP2	proteolipid protein 2 (colonic epithelium-enriched)	0.02286	1.389451
206210 s at	CETP	cholesteryl ester transfer protein, plasma	0.049233	1.394079
208033 s at	ZFHX3	zinc finger homeobox 3	0.017472	1.395825
210840_s_at	IQGAP1	IQ motif containing GTPase activating protein 1	0.040219	1.39601
208675_s_at	DDOST	dolichyl-diphosphooligosaccharide-protein glycosyltransferase	0.048985	1.405545
208684 at	COPA	coatamer protein complex, subunit alpha	0.013069	1.415715
208654 s at	CD164	CD164 molecule, sialomucin	0.01819	1.417807
211284 s at	GRN	granulin	0.012645	1.419377
202446 s at	PLSCR1	phospholipid scramblase 1	0.023769	1.420569
201908 at	DVL3	dishevelled, dsh homolog 3 (Drosophila)	0.026003	1.42698
204542_at	ST6GALNAC2	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	0.012338	1.432551
218013 x at	DCTN4	dynactin 4 (p62)	0.013904	1.437457
AFFX-HSAC07/X00351 M at	ACTB	actin, beta	0.011498	1.438435
221269_s_at	SH3BGR13	SH3 domain binding glutamic acid-rich protein like 3	0.012264	1.440365
204860 s at	NAIP	NLR family, apoptosis inhibitory protein	0.042301	1.443555
202545 at	PRKCD	protein kinase C, delta	0.027835	1.447625
217765 at	NRBP1	nuclear receptor binding protein 1	0.019388	1.44833
214743 at	CUX1	cut-like homeobox 1	0.01573	1.452147
206697 s at	HP /// HPR	haptoglobin /// haptoglobin-related protein	0.044909	1.454086
211985 s at	CALM1	calmodulin 1 (phosphorylase kinase, delta)	3.08E-04	1.454376
206562 s at	CSNK1A1	casein kinase 1, alpha 1	0.047618	1.467445
207216_at	TNFSF8	tumor necrosis factor (ligand) superfamily, member 8	0.013777	1.4752
221041_s_at	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	0.021003	1.47714
210190 at	STX11	syntaxin 11	0.035406	1.477958
209930 s at	NFE2	nuclear factor (erythroid-derived 2), 45kDa	0.044436	1.480861
215075 s at	GRB2	growth factor receptor-bound protein 2	0.043925	1.487002
200866 s at	PSAP	prosaposin	0.019261	1.489666
201743 at	CD14	CD14 molecule	0.021321	1.495225
200922_at	KDEL1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	0.048578	1.500582
204192 at	CD37	CD37 molecule	0.016313	1.500951
200828 s at	ZNF207	zinc finger protein 207	0.040469	1.501766

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200722_s_at	CAPRIN1	cell cycle associated protein 1	0.022705	1.504275
210555_s_at	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	0.028775	1.506362
201039_s_at	RAD23A	RAD23 homolog A (S. cerevisiae)	0.023964	1.507141
208703_s_at	APLP2	amyloid beta (A4) precursor-like protein 2	0.003427	1.514993
205026_at	STAT5B	signal transducer and activator of transcription 5B	0.045931	1.521102
221962_s_at	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	0.005415	1.522695
205922_at	VNN2	vanin 2	0.040785	1.534744
206220_s_at	RASA3	RAS p21 protein activator 3	0.043207	1.545882
202024_at	ASNA1	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)	0.043673	1.553397
204961_s_at	LOC648998 /// NCF1 /// NCF1B /// NCF1C	similar to Neutrophil cytosol factor 1 (NCF-1) (Neutrophil NADPH oxidase factor 1) (47 kDa neutrophil oxidase factor) (p47-phox) (NCF-47K) (47 kDa autosomal chronic granulomatous disease protein) (NOXO2) /// neutrophil cytosolic factor 1 /// neutrophil cytosolic factor 1B pseudogene /// neutrophil cytosolic factor 1C pseudogene	0.041618	1.563515
202688_at	TNFSF10	tumor necrosis factor (ligand) superfamily, member 10	0.028251	1.568754
203504_s_at	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	0.019204	1.568949
209288_s_at	CDC42EP3	CDC42 effector protein (Rho GTPase binding) 3	0.03957	1.582168
216266_s_at	ARFGEF1	ADP-ribosylation factor guanine nucleotide-exchange factor 1(brefeldin A-inhibited)	0.026283	1.595606
204149_s_at	GSTM4	glutathione S-transferase mu 4	0.011413	1.603587
210240_s_at	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	0.037242	1.611972
205552_s_at	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa	0.047088	1.617239
201118_at	PGD	phosphogluconate dehydrogenase	3.10E-04	1.632843
218832_x_at	ARRB1	arrestin, beta 1	3.33E-05	1.634521
210971_s_at	ARNTL	aryl hydrocarbon receptor nuclear translocator-like	0.047278	1.641632
219434_at	TREM1	triggering receptor expressed on myeloid cells 1	0.047209	1.652045
208453_s_at	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	0.001975	1.65449
208885_at	LCP1	lymphocyte cytosolic protein 1 (L-plastin)	0.02038	1.659457
202742_s_at	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	0.021624	1.662952
220800_s_at	TMOD3	tropomodulin 3 (ubiquitous)	0.045947	1.676127
203109_at	UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	0.01727	1.681684
208608_s_at	SNTB1	syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1)	0.005095	1.68208
AFFX-HUMGAPDH/M3 3197 M at	GAPDH	glyceraldehyde-3-phosphate dehydrogenase	0.006203	1.682605
209846_s_at	BTN3A2	butyrophilin, subfamily 3, member A2	0.014773	1.688748
205174_s_at	QPCT	glutaminy-peptide cyclotransferase	0.005716	1.689475

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216015 s at	NLRP3	NLR family, pyrin domain containing 3	0.011478	1.695648
205627 at	CDA	cytidine deaminase	0.049158	1.714788
221664 s at	F11R	F11 receptor	0.043526	1.735177
218660_at	DYSF	dysferlin, limb girdle muscular dystrophy 2B (autosomal recessive)	0.005748	1.75089
220038_at	C8orf44 /// SGK3	chromosome 8 open reading frame 44 /// serum/glucocorticoid regulated kinase family, member 3	0.011759	1.752439
212257_s_at	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2	0.026867	1.762012
215794 x at	GLUD2	glutamate dehydrogenase 2	0.02567	1.791641
203676 at	GNS	glucosamine (N-acetyl)-6-sulfatase	0.041976	1.798401
200656 s at	P4HB	prolyl 4-hydroxylase, beta polypeptide	0.012552	1.83552
200745_s_at	GNB1	guanine nucleotide binding protein (G protein), beta polypeptide 1	0.00216	1.836789
220386_s_at	EML4	echinoderm microtubule associated protein like 4	0.040329	1.854016
204972 at	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa	0.022804	1.860343
214483 s at	ARFIP1	ADP-ribosylation factor interacting protein 1	0.00189	1.861211
220494 s at			0.034458	1.861286
209953 s at	CDC37	cell division cycle 37 homolog (S. cerevisiae)	0.023587	1.862483
218748 s at	EXOC5	exocyst complex component 5	0.041593	1.863962
206917_at	GNA13	guanine nucleotide binding protein (G protein), alpha 13	0.007558	1.87117
209269 s at	SYK	spleen tyrosine kinase	0.010522	1.875258
204560 at	FKBP5	FK506 binding protein 5	0.025544	1.884883
205119 s at	FPR1	formyl peptide receptor 1	0.002602	1.889239
200998 s at	CKAP4	cytoskeleton-associated protein 4	3.03E-04	1.947455
212481 s at	TPM4	tropomyosin 4	0.014575	1.957121
203254 s at	TLN1	talin 1	0.045685	1.959389
209761 s at	SP110	SP110 nuclear body protein	0.017756	1.974412
211317 s at	CFLAR	CASP8 and FADD-like apoptosis regulator	0.013314	1.990284
210786 s at	FLI1	Friend leukemia virus integration 1	0.005881	2.023421
203085 s at	TGFB1	transforming growth factor, beta 1	0.021384	2.049406
AFFX-HUMISGF3A/M9 7935 MB at	STAT1	signal transducer and activator of transcription 1, 91kDa	0.047779	2.059912
207419_s_at	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	0.032774	2.06001
AFFX-HUMISGF3A/M9 7935 5 at	STAT1	signal transducer and activator of transcription 1, 91kDa	0.004903	2.08689
204427_s_at	TMED2	transmembrane emp24 domain trafficking protein 2	0.045104	2.097872
AFFX-HUMISGF3A/M9 7935 MA at	STAT1	signal transducer and activator of transcription 1, 91kDa	0.008598	2.111496
211795 s at	FYB	FYN binding protein (FYB-120/130)	0.012949	2.15894
221060 s at	TLR4	toll-like receptor 4	0.005072	2.180018
202593 s at	GDE1	glycerophosphodiester phosphodiesterase 1	0.002711	2.253646
212595 s at	DAZAP2	DAZ associated protein 2	0.001097	2.257259
202118 s at	CPNE3	copine III	0.024096	2.258538

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AFFX- HSAC07/X00351 5 at	ACTB	actin, beta	0.00146	2.329275
220832 at	TLR8	toll-like receptor 8	0.003083	2.390715
208721 s at	ANAPC5	anaphase promoting complex subunit 5	0.005699	2.434951
215123_at	LOC642778 /// LOC729602 /// NPIPL3	hypothetical LOC642778 /// NPIP-like protein ENSP00000283050 /// nuclear pore complex interacting protein-like 3	0.014302	2.489506
AFFX- HUMGAPDH/M3 3197 5 at	GAPDH	glyceraldehyde-3-phosphate dehydrogenase	0.005151	2.837933
206471 s at	PLXNC1	plexin C1	0.003933	2.90967
210978 s at	TAGLN2	transgelin 2	0.01186	2.960508
210148 at	HIPK3	homeodomain interacting protein kinase 3	0.027794	3.172036
208601 s at	TUBB1	tubulin, beta 1	0.002491	4.769212

¹ FC = fold change