

Table SI. Lymph, tumor and mucosal tissue average gene expression differences between metastasis-negative and -positive patients.

ID	3 tissue: Negative average (log2)	3 tissue: Positive average (log2)	Fold change	P-value	FDR P- value	Gene symbol	Description
11716515_x_at	3.57	4.6	-2.04	0.0001	0.0041	ADD1	Adducin 1 (alpha)
11732450_s_at	2.38	4.3	-3.8	7.00×10^{-4}	0.0097	AGRN	Agrin
11742928_a_at	1.78	2.97	-2.28	2.00×10^{-4}	0.005	AP3D1	Adaptor-related protein complex 3, delta 1 subunit
11754025_x_at	2.15	3.44	-2.43	1.00×10^{-4}	0.0034	ATP5E	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit
11715890_x_at	3	4.96	-3.9	7.55×10^{-6}	0.0009	ATP5I	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit E
11715889_a_at	1.74	7.65	-60.02	1.12×10^{-5}	0.0011	ATP5I	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit E
11762992_at	5.76	7.42	-3.14	6.23×10^{-5}	0.0027	ATP6; COX1	ATP synthase F0 subunit 6; cytochrome c oxidase subunit I
11758423_s_at	4.84	6.2	-2.57	1.36×10^{-5}	0.0012	ATP13A5; HARS	Atpase type 13A5; histidyl-trna synthetase
11758260_x_at	1.61	3.45	-3.58	0.001	0.0116	B2M	Beta-2-microglobulin
11737660_a_at	2.11	3.39	-2.43	1.14×10^{-5}	0.0011	B4GALT2	UDP-Gal:betaglcnac beta 1,4-galactosyltransferase, polypeptide 2
11739188_a_at	3.26	4.89	-3.09	9.81×10^{-6}	0.0011	BAG5	BCL2-associated athanogene 5
11757525_s_at	1.75	2.76	-2.01	0.0003	0.0064	BICD2	Bicaudal D homolog 2 (Drosophila)
11758641_s_at	1.32	2.37	-2.08	9.00-04	0.011	BLCAP	Bladder cancer associated protein
11742700_s_at	1.37	3.48	-4.31	3.65×10^{-7}	0.0002	C1R	Complement component 1, r subcomponent
11740986_a_at	2.01	3.42	-2.67	2.00×10^{-4}	0.0046	CD99L2	CD99 molecule-like 2
200021_PM_at	3.37	5.84	-5.53	4.69×10^{-5}	0.0023	CFL1	Cofilin 1 (non-muscle)
11726583_s_at	2.09	3.64	-2.93	7.63×10^{-6}	0.0009	CKAP4	Cytoskeleton-associated protein 4
11762921_at	5.23	7.6	-5.2	0.0007	0.0096	COX3	Cytochrome c oxidase III
11762923_x_at	5.64	7.87	-4.67	0.0003	0.0065	COX3; LOC101929612	Cytochrome c oxidase III; uncharacterized LOC101929612
11762922_s_at	5.85	7.86	-4.03	1.48×10^{-5}	0.0013	COX3; MYBPC3; SLC12A1	Cytochrome c oxidase III; myosin binding protein C, cardiac; solute carrier family 12 (sodium/potassium/chloride transporter),

							member 1
11758000_s_at	3.67	4.78	-2.16	2.19x10 ⁻⁵	0.0016	CXADR	Coxsackie virus and adenovirus receptor
11716579_a_at	3.45	4.87	-2.69	0.0044	0.0281	CYSTM1	Cysteine-rich transmembrane module containing 1
11742128_x_at	1.86	3.02	-2.22	5.90x10 ⁻³	0.0336	DEGS1	Delta(4)-desaturase, sphingolipid 1
11757507_s_at	2.15	3.82	-3.18	0.0007	0.0094	DSP	Desmoplakin
11758011_x_at	3.36	6.7	-10.15	3.18x10 ⁻⁵	0.0019	EEF1A1	Eukaryotic translation elongation factor 1 alpha 1
11757678_s_at	3.8	6.1	-4.92	2.42x10 ⁻⁵	0.0016	EEF2	Eukaryotic translation elongation factor 2
11745971_s_at	4.08	5.78	-3.23	8.12x10 ⁻⁶	0.001	EIF3B	Eukaryotic translation initiation factor 3, subunit B
11729863_a_at	4.85	6.39	-2.91	2.99x10 ⁻⁵	0.0018	EPN1	Epsin 1
11736547_a_at	4.77	5.86	-2.13	0.0016	0.0151	FANCD2	Fanconi anemia complementation group D2
11753927_x_at	3.16	5.07	-3.75	4.43x10 ⁻⁵	0.0022	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-musv) ubiquitously expressed
11718595_a_at	2.97	4.21	-2.35	9.48x10 ⁻⁵	0.0033	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-musv) ubiquitously expressed
11732278_at	2.54	3.57	-2.04	2.00x10 ⁻⁴	0.0043	FOXP1	Forkhead box P1
11758158_s_at	2.98	4.36	-2.6	7.49x10 ⁻⁵	0.003	FOXP1	Forkhead box P1
11757633_x_at	3.11	6.19	-8.43	2.97x10 ⁻⁵	0.0018	FTH1	Ferritin, heavy polypeptide 1
11742888_s_at	6.95	5.15	3.49	1.00x10 ⁻⁴	0.0036	GCSH; LOC729080	Glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
11756405_s_at	6.99	5.36	3.08	3.00x10 ⁻⁴	0.0059	GCSH; LOC729080	Glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
11757061_s_at	6.75	5.28	2.79	4.00x10 ⁻⁴	0.0067	GCSH; LOC729080	Glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
11728255_s_at	5.15	7.04	-3.7	1.20x10 ⁻³	0.0132	GLTSCR2	Glioma tumor suppressor candidate region gene 2
11728256_x_at	2.09	3.33	-2.35	7.69x10 ⁻⁷	0.0003	GLTSCR2	Glioma tumor suppressor candidate region gene 2
11755309_x_at	2.31	3.82	-2.85	1.16x10 ⁻⁵	0.0011	GLTSCR2	Glioma tumor suppressor candidate region gene 2
11745479_a_at	4.35	3.23	2.17	8.88x10 ⁻⁵	0.0032	GLYCTK	Glycerate kinase
11724373_a_at	2.59	3.92	-2.52	2.00x10 ⁻⁴	0.0043	GSK3A	Glycogen synthase kinase 3 alpha
11745819_a_at	1.33	2.61	-2.44	0.0001	0.0035	H1F0	H1 histone family, member 0

200080_PM_s_at	3.01	4.78	-3.42	1.00×10^{-4}	0.0037	H3F3A; H3F3AP4	H3 histone, family 3A; H3 histone, family 3A, pseudogene 4
11757505_a_at	4.58	6.03	-2.73	1.07×10^{-5}	0.0011	HDLBP	High density lipoprotein binding protein
11744484_s_at	2.12	4.58	-5.47	5.00×10^{-5}	0.0303	HLA-DRA	Major histocompatibility complex, class II, DR alpha
200016_PM_x_at	3.77	5.36	-3.01	1.95×10^{-5}	0.0015	HNRNPA1	Heterogeneous nuclear ribonucleoprotein A1
11757907_x_at	2.15	3.82	-3.19	7.30×10^{-3}	0.0387	HSPA1A; HSPA1B	Heat shock 70kda protein 1A; heat shock 70kda protein 1B
11716795_s_at	1.31	2.45	-2.2	1.00×10^{-4}	0.0036	IFI16	Interferon, gamma-inducible protein 16
11739787_a_at	2.05	5.01	-7.78	0.0056	0.0328	IGF2; INS-IGF2	Insulin-like growth factor 2; INS-IGF2 readthrough
11752369_a_at	3.14	4.43	-2.43	1.82×10^{-6}	0.0004	IMPDH2	IMP (inosine 5'-monophosphate) dehydrogenase 2
11743521_s_at	2.23	4.5	-4.82	1.44×10^{-5}	0.0013	KHSRP	KH-type splicing regulatory protein
11758171_s_at	1.43	2.74	-2.48	5.70×10^{-5}	0.0026	KTN1	Kinectin 1 (kinesin receptor)
11757529_s_at	3.39	4.8	-2.67	0.0002	0.0051	LAMP1	Lysosomal-associated membrane protein 1
11757056_x_at	2.99	4.92	-3.81	2.67×10^{-6}	0.0006	LOC728026; PTMA	Prothymosin alpha-like; prothymosin, alpha
11752331_s_at	3.72	4.81	-2.12	5.63×10^{-5}	0.0025	LOC105369243; SLX1A- SULT1A3; SLX1B- SULT1A4; SULT1A3; SULT1A4	Sulfotransferase 1A3-like; SLX1A-SULT1A3 readthrough (NMD candidate); SLX1B-SULT1A4 readthrough (NMD candidate); sulfotransferase family 1A member 3; sulfotransferase family 1A member 4
11729413_a_at	1.86	4.65	-6.9	9.00×10^{-4}	0.0111	LRRC8A	Leucine rich repeat containing 8 family, member A
11733938_x_at	4.38	5.47	-2.13	0.0002	0.005	LYPLA2	Lysophospholipase II
11755605_s_at	1.83	3.15	-2.5	1.00×10^{-3}	0.0116	MALAT1	Metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)
11723597_at	1.72	4.35	-6.19	9.40×10^{-3}	0.0454	MAP2K7	Mitogen-activated protein kinase kinase 7
11753900_x_at	3.3	5.74	-5.42	6.82×10^{-5}	0.0028	MT2A	Metallothionein 2A
11758277_x_at	2.48	4.19	-3.27	1.10×10^{-3}	0.0123	NBPF11; NBPF12; NBPF15; NBPF19;	Neuroblastoma breakpoint family, member 11; neuroblastoma breakpoint family, member 12; neuroblastoma breakpoint family,

						NBPF20; NBPF26; NBPF8; NBPF9	member 15; neuroblastoma breakpoint family, member 19; neuroblastoma breakpoint family, member 20; neuroblastoma breakpoint family, member 26; neuroblastoma breakpoint family, member 8; neuroblastoma breakpoint family, member 9
11761515_s_at	4.62	5.97	-2.55	1.53×10^{-5}	0.0013	ND1	NADH dehydrogenase, subunit 1 (complex I)
11764256_s_at	4.7	6.94	-4.74	2.55×10^{-5}	0.0017	ND4	NADH dehydrogenase, subunit 4 (complex I)
11757665_x_at	2.43	4.05	-3.06	4.82×10^{-5}	0.0023	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kda (NADH-coenzyme Q reductase)
11715967_a_at	5.03	6.41	-2.6	4.53×10^{-5}	0.0022	NEDD8	Neural precursor cell expressed, developmentally down-regulated 8
11756169_x_at	4.26	6.17	-3.76	0.0004	0.0069	OAZ1	Ornithine decarboxylase antizyme 1
11748097_x_at	3.04	5.04	-4.01	4.19×10^{-6}	0.0007	PABPC1	Poly(A) binding protein, cytoplasmic 1
11752278_x_at	2.85	5.26	-5.31	1.66×10^{-5}	0.0013	PABPC1	Poly(A) binding protein, cytoplasmic 1
11758691_x_at	2.94	4.58	-3.12	3.17×10^{-6}	0.0006	PGAM1	Phosphoglycerate mutase 1 (brain)
11742827_a_at	2.91	4.2	-2.44	8.89×10^{-7}	0.0003	PHF3	PHD finger protein 3
11763478_x_at	3.13	4.17	-2.07	5.00×10^{-4}	0.008	PIF1	PIF1 5'-to-3' DNA helicase
11751799_a_at	2.59	3.76	-2.25	1.44×10^{-5}	0.0013	PRDX6	Peroxiredoxin 6
11716368_x_at	2.95	4.44	-2.81	9.99×10^{-7}	0.0003	PRR13	Proline rich 13
11742456_a_at	2.7	4.96	-4.81	3.72×10^{-6}	0.0006	PTBP1	Polypyrimidine tract binding protein 1
11755857_s_at	1.92	3.14	-2.34	1.10×10^{-3}	0.0125	RNPS1	RNA binding protein S1, serine-rich domain
11758587_x_at	1.61	2.62	-2.02	0.0002	0.0049	RPL5	Ribosomal protein L5
11715238_x_at	5.78	8.19	-5.34	0.0061	0.0343	RPL9	Ribosomal protein L9
11758697_x_at	2.97	4.3	-2.5	8.35×10^{-6}	0.001	RPL10A	Ribosomal protein l10a
200088_PM_x_at	2.19	3.26	-2.11	2.31×10^{-5}	0.0016	RPL12	Ribosomal protein L12
11725404_x_at	5.06	6.57	-2.84	2.05×10^{-6}	0.0005	RPL13	Ribosomal protein L13
11757385_x_at	3.34	5.48	-4.4	3.63×10^{-5}	0.002	RPL13A; RPL13AP5	Ribosomal protein l13a; ribosomal protein L13a pseudogene 5
11753680_x_at	4.13	6.49	-5.13	2.50×10^{-7}	0.0002	RPL21	Ribosomal protein L21
200012_PM_x_at	3.67	5.4	-3.32	2.72×10^{-7}	0.0002	RPL21	Ribosomal protein L21

11728658_s_at	1.54	3.95	-5.29	0.0002	0.0049	RPL22	Ribosomal protein L22
11757489_x_at	1.99	3.43	-2.7	4.70x10 ⁻⁵	0.0023	RPL22	Ribosomal protein L22
11757748_x_at	3.91	5.3	-2.63	2.00x10 ⁻⁴	0.0044	RPL23A	Ribosomal protein l23a
11757276_x_at	2.4	4.87	-5.52	6.84x10 ⁻⁵	0.0028	RPL24	Ribosomal protein L24
200025_PM_s_at	2	4.08	-4.22	1.48x10 ⁻⁵	0.0013	RPL27	Ribosomal protein L27
11757421_x_at	3.99	6.01	-4.05	5.79x10 ⁻⁶	0.0008	RPL31	Ribosomal protein L31
11744336_s_at	4.16	9.26	-34.29	0.0003	0.0055	RPL32	Ribosomal protein L32
11753784_x_at	2.36	4.19	-3.56	1.26x10 ⁻⁵	0.0012	RPL34	Ribosomal protein L34
11744836_x_at	2.96	4.03	-2.09	0.0004	0.0066	RPL35	Ribosomal protein L35
11758038_x_at	1.96	5.81	-14.45	8.49x10 ⁻⁶	0.001	RPL35A; ZNF391	Ribosomal protein l35a; zinc finger protein 391
200092_PM_s_at	2.23	3.82	-3.03	0.0003	0.0061	RPL37	Ribosomal protein L37
11758341_x_at	2.71	5.65	-7.71	8.42x10 ⁻⁶	0.001	RPL37A	Ribosomal protein l37a
11757673_x_at	2.04	5.51	-11.11	1.68x10 ⁻⁶	0.0004	RPL39	Ribosomal protein L39
200095_PM_x_at	4.44	6.2	-3.4	3.20x10 ⁻⁵	0.0019	RPS10	Ribosomal protein S10
11757514_x_at	3.78	5	-2.34	2.69x10 ⁻⁵	0.0018	RPS27	Ribosomal protein S27
11742666_s_at	5.99	8.82	-7.09	0.0019	0.0171	RPS28	Ribosomal protein S28
11757629_x_at	3.81	6.29	-5.58	7.07x10 ⁻⁵	0.0029	RPS29	Ribosomal protein S29
11757080_s_at	1.52	4.65	-8.77	0.0002	0.0051	RPS29	Ribosomal protein S29
11743177_a_at	3.22	5	-3.43	1.21x10 ⁻⁶	0.0004	RSF1	Remodeling and spacing factor 1
11720309_s_at	2.35	3.51	-2.22	1.85x10 ⁻⁵	0.0014	SERP1	Stress-associated endoplasmic reticulum protein 1
11757428_a_at	1.78	3.69	-3.78	0.0001	0.0037	SF3B5	Splicing factor 3b subunit 5
11717576_a_at	3.9	5.3	-2.64	8.00x10 ⁻⁸	8.78E-05	SFN	Stratifin
11755612_s_at	3.12	4.14	-2.04	4.11x10 ⁻⁵	0.0021	SNRPA1	Small nuclear ribonucleoprotein polypeptide A'
11754601_s_at	2.44	3.53	-2.13	0.0007	0.0097	SPON2	Spondin 2, extracellular matrix protein
11730178_s_at	2.55	3.79	-2.37	0.0001	0.0041	SPOP	Speckle-type POZ protein
11754192_s_at	2.19	3.25	-2.09	1.19x10 ⁻⁶	0.0003	SRSF11	Serine/arginine-rich splicing factor 11
11716369_x_at	2.89	4.6	-3.28	1.43x10 ⁻⁵	0.0013	SUMO2	Small ubiquitin-like modifier 2
11715934_s_at	3.35	5.07	-3.29	3.96x10 ⁻⁵	0.0021	TAGLN	Transgelin
11762298_a_at	4.19	5.2	-2.01	0.0003	0.0065	TMEM234	Transmembrane protein 234

11723967_a_at	5.66	4.59	2.1	7.91×10^{-5}	0.0031	TNNT3	Troponin T type 3 (skeletal, fast)
11738892_a_at	6.48	5.09	2.63	0.0001	0.0039	TPM1	Tropomyosin 1 (alpha)
11721975_s_at	3.3	5.22	-3.79	0.0055	0.0325	TPSAB1; TPSB2	Tryptase alpha/beta 1; tryptase beta 2 (gene/pseudogene)
11746041_a_at	1.9	3.02	-2.17	0.0006	0.0087	TRA2B	Transformer 2 beta homolog (Drosophila)
11758282_s_at	2.48	3.95	-2.76	0.0009	0.0109	TUBA1C	Tubulin, alpha 1c
11755503_x_at	6.4	7.88	-2.8	6.08×10^{-5}	0.0027	UBC	Ubiquitin C
11758711_x_at	2.74	5.46	-6.6	6.94×10^{-5}	0.0029	YWHAZ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta
11758557_s_at	3.3	5.44	-4.43	0.0002	0.0045	ZFP36L1	ZFP36 ring finger protein-like 1
11738623_s_at	2.84	4.22	-2.61	9.92×10^{-6}	0.0011	ZNF268	Zinc finger protein 268
11744853_a_at	4.23	2.73	2.85	0.0011	0.0124	ZNF880	Zinc finger protein 880
11737690_a_at	3.13	4.22	-2.12	0.0014	0.0141	ZP3	Zona pellucida glycoprotein 3 (sperm receptor)

FDR, false discovery rate.

Table SII. Differential gene expression between metastasis-negative and -positive lymph tissues.

ID	Lymph: Negative average (log2)	Lymph: Positive average (log2)	Fold change	P-value	FDR P- value	Gene symbol	Description
11759088_at	1.85	3.62	-3.41	9.77x10 ⁻⁹	0.0001	MARCH1	membrane associated ring finger 1
11726459_at	1.06	2.09	-2.04	4.63x10 ⁻⁷	0.0009	FAM117B	family with sequence similarity 117, member B
11755858_a_at	1.29	2.97	-3.2	4.99x10 ⁻⁷	0.0009	MS4A1	membrane-spanning 4-domains, subfamily A, member 1
11720161_at	1.51	2.66	-2.22	5.77x10 ⁻⁷	0.0009	CXCL13	chemokine (C-X-C motif) ligand 13
11734530_x_at	1.95	4.47	-5.71	6.13x10 ⁻⁷	0.0009	HLA-F	major histocompatibility complex, class I, F
11723853_a_at	1.88	3.09	-2.32	1.17x10 ⁻⁶	0.0013	BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein)
11743352_s_at	1.52	2.54	-2.02	1.54x10 ⁻⁶	0.0015	COBLL1	cordon-bleu WH2 repeat protein like 1
11738807_s_at	1.83	3.41	-2.98	2.26x10 ⁻⁶	0.0016	CMIP	c-Maf inducing protein
11732544_a_at	1.69	2.96	-2.41	2.61x10 ⁻⁶	0.0017	GPR18	G protein-coupled receptor 18
200032_PM_s_at	2.14	3.75	-3.05	2.74x10 ⁻⁶	0.0017	RPL9; RPL9P7	ribosomal protein L9; ribosomal protein L9 pseudogene 7
11726255_x_at	2.01	3.69	-3.21	3.43x10 ⁻⁶	0.0018	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain
11726248_x_at	1.68	2.86	-2.27	3.59x10 ⁻⁶	0.0019	PARP1	poly(ADP-ribose) polymerase 1
11763426_a_at	1.34	2.61	-2.41	3.70x10 ⁻⁶	0.0019	TRAF3IP3	TRAF3 interacting protein 3
11757499_s_at	2.32	3.43	-2.16	5.33x10 ⁻⁶	0.0022	WBP1L	WW domain binding protein 1-like
11743865_s_at	1.79	2.99	-2.29	6.21x10 ⁻⁶	0.0024	ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane 1
11728572_s_at	1.31	3.83	-5.73	6.46x10 ⁻⁶	0.0024	MBNL1	muscleblind like splicing regulator 1
11754972_s_at	1.55	3.57	-4.06	6.54x10 ⁻⁶	0.0024	BAZ2A	bromodomain adjacent to zinc finger domain 2A
11728190_s_at	1.29	3.4	-4.32	6.95x10 ⁻⁶	0.0025	CXCR4	chemokine (C-X-C motif) receptor 4
11755606_x_at	2.38	3.51	-2.19	7.92x10 ⁻⁶	0.0027	IFI30	interferon, gamma-inducible protein 30
11758231_x_at	2.94	5.17	-4.7	1.34x10 ⁻⁵	0.0037	HLA-DPA1	major histocompatibility complex, class II, DP alpha 1
11718231_x_at	2.08	3.83	-3.36	1.39x10 ⁻⁵	0.0037	HLA-F	major histocompatibility complex, class I, F
11757801_x_at	2.21	3.36	-2.22	1.62x10 ⁻⁵	0.0038	HLA-DPB1	major histocompatibility complex, class II, DP beta 1
11753288_a_at	1.62	3.27	-3.13	1.74x10 ⁻⁵	0.004	ZNF148	zinc finger protein 148

11757362_x_at	1.87	3.55	-3.22	1.76x10 ⁻⁵	0.004	NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)
AFFX-HSAC07/X00351_3_at	2.07	3.41	-2.53	2.10x10 ⁻⁵	0.0044	ACTB	actin, beta
11719682_s_at	1.69	4.22	-5.76	2.34x10 ⁻⁵	0.0047	NSA2	NSA2 ribosome biogenesis homolog
11759622_s_at	2.07	3.39	-2.5	2.36x10 ⁻⁵	0.0047	DDX21	DEAD (Asp-Glu-Ala-Asp) box helicase 21
11753927_x_at	3.04	6.44	-10.52	2.45x10 ⁻⁵	0.0048	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed
11756646_a_at	2.38	4	-3.06	2.63x10 ⁻⁵	0.0049	IRF2BP2	interferon regulatory factor 2 binding protein 2
11715742_s_at	3.05	4.07	-2.04	2.67x10 ⁻⁵	0.0049	RCC2	regulator of chromosome condensation 2
11757659_x_at	1.64	2.76	-2.16	2.76x10 ⁻⁵	0.005	RPL12	ribosomal protein L12
11757056_x_at	2.97	5.6	-6.19	2.81x10 ⁻⁵	0.005	LOC728026; PTMA	prothymosin alpha-like; prothymosin, alpha
11716369_x_at	2.52	5.23	-6.52	2.86x10 ⁻⁵	0.0051	SUMO2	small ubiquitin-like modifier 2
11759759_s_at	1.38	3.1	-3.29	3.02x10 ⁻⁵	0.0052	CCNL1	cyclin L1
11726680_s_at	1.9	4.31	-5.31	3.27x10 ⁻⁵	0.0053	HNRNPK	heterogeneous nuclear ribonucleoprotein K
11723401_x_at	2.96	4.44	-2.79	3.55x10 ⁻⁵	0.0055	STK4	serine/threonine kinase 4
11754025_x_at	2.02	3.95	-3.81	3.69x10 ⁻⁵	0.0056	ATP5E	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit
200016_PM_x_at	3.49	5.91	-5.34	4.14x10 ⁻⁵	0.0058	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1
11758423_s_at	4.43	6.22	-3.47	4.15x10 ⁻⁵	0.0058	ATP13A5; HARS	ATPase type 13A5; histidyl-tRNA synthetase
11754192_s_at	2.3	4.28	-3.94	4.23x10 ⁻⁵	0.0058	SRSF11	serine/arginine-rich splicing factor 11
11733347_a_at	2.68	4.4	-3.32	4.37x10 ⁻⁵	0.0059	CNOT7	CCR4-NOT transcription complex subunit 7
11757697_s_at	1.06	3.21	-4.45	4.57x10 ⁻⁵	0.0061	FAM96A	family with sequence similarity 96, member A
11744327_x_at	2.41	3.77	-2.55	4.63x10 ⁻⁵	0.0061	UBB	ubiquitin B
11726254_s_at	2.94	4.83	-3.7	4.76x10 ⁻⁵	0.0061	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain
11723058_a_at	2.02	3.11	-2.13	4.85x10 ⁻⁵	0.0061	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
11728646_at	1.92	3.76	-3.56	5.08x10 ⁻⁵	0.0063	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1

11757514_x_at	4.03	6.49	-5.48	5.32x10 ⁻⁵	0.0063	RPS27	ribosomal protein S27
11729196_a_at	1.37	2.59	-2.33	5.34x10 ⁻⁵	0.0063	STX16	syntaxin 16
11745155_s_at	1.59	3.67	-4.22	5.62x10 ⁻⁵	0.0064	NCL	nucleolin
11746348_x_at	2.37	3.58	-2.31	5.69x10 ⁻⁵	0.0065	PNN	pinin, desmosome associated protein
11754467_s_at	1.64	2.83	-2.29	6.05x10 ⁻⁵	0.0067	MED26	mediator complex subunit 26
11753680_x_at	3.98	6.87	-7.41	6.26x10 ⁻⁵	0.0068	RPL21	ribosomal protein L21
11754461_s_at	2.37	3.5	-2.18	6.57x10 ⁻⁵	0.0069	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)
11757510_x_at	2.13	3.56	-2.69	6.74x10 ⁻⁵	0.007	HP1BP3	heterochromatin protein 1, binding protein 3
11757355_x_at	1.83	4.3	-5.55	6.84x10 ⁻⁵	0.007	RPL41	ribosomal protein L41
11754315_x_at	1.26	3.86	-6.06	6.85x10 ⁻⁵	0.007	TMSB4X	thymosin beta 4, X-linked
11757190_s_at	1.75	2.83	-2.11	7.10x10 ⁻⁵	0.0071	LITAF	lipopolysaccharide-induced TNF factor
11761515_s_at	4.24	6.02	-3.44	7.45x10 ⁻⁵	0.0073	ND1	NADH dehydrogenase, subunit 1 (complex I)
11725371_s_at	1.52	2.72	-2.3	7.77x10 ⁻⁵	0.0074	VEGFA	vascular endothelial growth factor A
11757710_x_at	2.95	4.31	-2.56	8.58x10 ⁻⁵	0.0076	KHSRP	KH-type splicing regulatory protein
11757421_x_at	3.38	6.83	-10.91	8.63x10 ⁻⁵	0.0076	RPL31	ribosomal protein L31
200026_PM_at	2.02	3.22	-2.3	8.83x10 ⁻⁵	0.0076	RPL34	ribosomal protein L34
11757837_x_at	2.42	3.48	-2.08	8.90x10 ⁻⁵	0.0076	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1
11737824_a_at	1.22	2.4	-2.27	8.90x10 ⁻⁵	0.0076	STX16	syntaxin 16
11739487_s_at	1.51	2.88	-2.59	9.44x10 ⁻⁵	0.0078	SUZ12	SUZ12 polycomb repressive complex 2 subunit
11756215_x_at	2.23	3.76	-2.88	9.44x10 ⁻⁵	0.0078	UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1
11722300_a_at	1.72	3.29	-2.95	0.0001	0.0082	ETS1	v-ets avian erythroblastosis virus E26 oncogene homolog 1
11757408_x_at	1.64	3.23	-3.01	0.0001	0.0082	RPS20	ribosomal protein S20
11745765_x_at	1.7	3.03	-2.51	0.0001	0.0082	TCF4	transcription factor 4
11741720_s_at	1.86	3.52	-3.16	0.0001	0.0082	ADAR	adenosine deaminase, RNA-specific
11739032_x_at	1.46	2.7	-2.35	0.0001	0.0082	ACTR2	ARP2 actin-related protein 2 homolog (yeast)
11758167_s_at	1.81	3.16	-2.54	0.0001	0.0082	PHTF2	putative homeodomain transcription factor 2
200063_PM_s_at	3.5	4.73	-2.35	0.0001	0.0082	NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatin)
11758525_s_at	1.67	2.85	-2.27	0.0001	0.0083	SOX4	SRY box 4
11715476_s_at	3.03	4.47	-2.71	0.0001	0.0083	DDX17	DEAD (Asp-Glu-Ala-Asp) box helicase 17

11728094_s_at	1.95	4.47	-5.72	0.0001	0.0086	MAP3K1	mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
11741605_a_at	3.56	4.95	-2.64	0.0001	0.0087	CHD3	chromodomain helicase DNA binding protein 3
11753915_a_at	1.73	4.49	-6.75	0.0001	0.0087	SEL1L3	sel-1 suppressor of lin-12-like 3 (C. elegans)
11716805_s_at	1.58	3.12	-2.92	0.0001	0.0087	PLEKHA2	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2
11726583_s_at	1.94	3.7	-3.39	0.0001	0.009	CKAP4	cytoskeleton-associated protein 4
11757785_x_at	2.34	3.47	-2.2	0.0001	0.009	HMGB1	high mobility group box 1
11756151_x_at	1.42	4.18	-6.75	0.0001	0.009	B2M	beta-2-microglobulin
11716730_a_at	2.11	3.32	-2.31	0.0001	0.0091	ERH	enhancer of rudimentary homolog (Drosophila)
11718021_s_at	1.43	2.44	-2.03	0.0001	0.0091	SSFA2	sperm specific antigen 2
11757326_s_at	1.71	4.05	-5.05	0.0001	0.0092	FTL	ferritin, light polypeptide
11758171_s_at	1.35	3.78	-5.37	0.0001	0.0092	KTN1	kinectin 1 (kinesin receptor)
11758691_x_at	2.99	5.05	-4.16	0.0001	0.0092	PGAM1	phosphoglycerate mutase 1 (brain)
11757346_s_at	1.68	4.35	-6.34	0.0001	0.0092	FTL	ferritin, light polypeptide
11762525_s_at	5.03	7.72	-6.47	0.0002	0.0093		
11730912_at	3.99	4.99	-2.01	0.0002	0.0094	NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)
11740589_s_at	1.69	2.75	-2.09	0.0002	0.0097	RYK	receptor-like tyrosine kinase
11756150_at	1.79	4.41	-6.12	0.0002	0.0097	B2M	beta-2-microglobulin
200080_PM_s_at	3.07	5.93	-7.23	0.0002	0.0097	H3F3A; H3F3AP4	H3 histone, family 3A; H3 histone, family 3A, pseudogene 4
11751799_a_at	2.61	3.88	-2.41	0.0002	0.0098	PRDX6	peroxiredoxin 6
11754340_a_at	1.91	3.5	-3.02	0.0002	0.01	ELAC2	elaC ribonuclease Z 2
11745205_s_at	1.01	2.25	-2.36	0.0002	0.01	TPD52	tumor protein D52
11718345_a_at	2.34	4.04	-3.24	0.0002	0.01	CNOT7	CCR4-NOT transcription complex subunit 7
11732126_x_at	2.69	3.81	-2.17	0.0002	0.0102	UBB	ubiquitin B
11755309_x_at	2.42	4.27	-3.6	0.0002	0.0102	GLTSCR2	glioma tumor suppressor candidate region gene 2
11719353_s_at	1.67	2.72	-2.07	0.0002	0.0103	GCC2	GRIP and coiled-coil domain containing 2
11753691_x_at	1.74	2.75	-2	0.0002	0.0105	RPL24	ribosomal protein L24

11739978_s_at	2.34	3.46	-2.17	0.0002	0.0106	AGO3	argonaute RISC catalytic component 3
11716368_x_at	3.2	4.82	-3.07	0.0002	0.0109	PRR13	proline rich 13
11757673_x_at	2.12	6.32	-18.5	0.0002	0.0109	RPL39	ribosomal protein L39
11722008_a_at	2.49	3.71	-2.34	0.0002	0.011	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha
11764256_s_at	4.18	7.02	-7.14	0.0002	0.0112	ND4	NADH dehydrogenase, subunit 4 (complex I)
11742928_a_at	1.74	2.96	-2.33	0.0002	0.0112	AP3D1	adaptor-related protein complex 3, delta 1 subunit
11716367_s_at	1.68	2.82	-2.2	0.0002	0.0115	PRR13	proline rich 13
11758341_x_at	2.72	6.47	-13.4	0.0002	0.0116	RPL37A	ribosomal protein L37a
11732450_s_at	2.16	4.36	-4.61	0.0002	0.0117	AGRN	agrin
11744399_a_at	1.58	2.99	-2.65	0.0002	0.0117	MYEOV2	myeloma overexpressed 2
200025_PM_s_at	2	4.98	-7.87	0.0002	0.0118	RPL27	ribosomal protein L27
11756365_a_at	1.07	2.75	-3.2	0.0002	0.0118	EWSR1; TUG1	EWS RNA binding protein 1; taurine up-regulated 1 (non-protein coding)
11715349_a_at	1.9	3.89	-3.98	0.0002	0.0118	COX7C	cytochrome c oxidase subunit VIIc
11758067_x_at	4.66	6.23	-2.97	0.0003	0.0118	PPIA	peptidylprolyl isomerase A (cyclophilin A)
11758697_x_at	3.09	6.07	-7.91	0.0003	0.0119	RPL10A	ribosomal protein L10a
11753946_x_at	2.41	4.54	-4.36	0.0003	0.012	PCBP2	poly(rC) binding protein 2
11724239_at	1.76	3.75	-3.96	0.0003	0.0122	TCF4	transcription factor 4
11757807_x_at	1.82	2.85	-2.03	0.0003	0.0122	ACTG1	actin gamma 1
11757269_s_at	1.3	3.73	-5.4	0.0003	0.0125	FTL	ferritin, light polypeptide
11758276_s_at	2.17	4.02	-3.61	0.0003	0.0125	ITGB1	integrin beta 1
11742679_s_at	1.37	3.28	-3.74	0.0003	0.0128	HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1
200012_PM_x_at	3.63	5.65	-4.07	0.0003	0.0129	RPL21	ribosomal protein L21
11718230_a_at	1.46	4.18	-6.59	0.0003	0.013	HLA-F	major histocompatibility complex, class I, F
11745483_s_at	2.2	3.39	-2.28	0.0003	0.0131	BECN1	beclin 1, autophagy related
11738623_s_at	2.97	4.7	-3.33	0.0003	0.0132	ZNF268	zinc finger protein 268
11757376_s_at	2.19	4.41	-4.64	0.0003	0.0136	MAT2A	methionine adenosyltransferase II, alpha
11726515_a_at	2.03	3.66	-3.09	0.0003	0.0136	CLK4	CDC like kinase 4
11758641_s_at	1.33	2.67	-2.52	0.0003	0.0138	BLCAP	bladder cancer associated protein

11720460_x_at	2.15	3.46	-2.47	0.0003	0.0138	F11R	F11 receptor
11715395_a_at	1.26	3.49	-4.7	0.0003	0.0138	BLOC1S5- TXNDC5; TXNDC5	BLOC1S5-TXNDC5 readthrough (NMD candidate); thioredoxin domain containing 5 (endoplasmic reticulum)
11743397_s_at	1.2	3.51	-4.97	0.0003	0.0138	CSDE1	cold shock domain containing E1, RNA binding
11757021_x_at	1.29	2.9	-3.03	0.0004	0.0141	RPS24	ribosomal protein S24
11739005_at	1.95	3.18	-2.34	0.0004	0.0143	CAPZA1	capping protein (actin filament) muscle Z-line, alpha 1
11748097_x_at	3.32	6.22	-7.46	0.0004	0.0145	PABPC1	poly(A) binding protein, cytoplasmic 1
11727158_a_at	1.09	2.71	-3.08	0.0004	0.0146	STRBP	spermatid perinuclear RNA binding protein
11757059_x_at	2.24	4.26	-4.05	0.0004	0.0146	RPL36A; RPL36A- HNRNPH2	ribosomal protein L36a; RPL36A-HNRNPH2 readthrough
200021_PM_at	3.74	6.34	-6.06	0.0004	0.0146	CFL1	cofilin 1 (non-muscle)
11728658_s_at	1.36	5.17	-14.04	0.0004	0.0147	RPL22	ribosomal protein L22
200088_PM_x_at	2.61	3.97	-2.56	0.0004	0.0148	RPL12	ribosomal protein L12
11718595_a_at	3.12	5.43	-4.96	0.0004	0.0148	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed
11721625_s_at	1.48	2.64	-2.24	0.0004	0.0149	GLUL	glutamate-ammonia ligase
11744449_a_at	2.12	3.27	-2.22	0.0004	0.0149	ARHGAP4	Rho GTPase activating protein 4
11762922_s_at	6.22	8.42	-4.6	0.0004	0.0154	COX3; MYBPC3; SLC12A1	cytochrome c oxidase III; myosin binding protein C, cardiac; solute carrier family 12 (sodium/potassium/chloride transporter), member 1
11743521_s_at	2.27	4.87	-6.04	0.0004	0.0155	KHSRP	KH-type splicing regulatory protein
11757889_s_at	2.43	4.03	-3.03	0.0004	0.0155	RPL15	ribosomal protein L15
11756533_s_at	1.86	2.93	-2.1	0.0005	0.0156	YTHDF3	YTH N(6)-methyladenosine RNA binding protein 3
11715890_x_at	3.17	5.2	-4.08	0.0005	0.0157	ATP5I	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit E
11757728_s_at	1.59	3.78	-4.57	0.0005	0.0158	FTL	ferritin, light polypeptide
11724373_a_at	2.7	4.29	-3.01	0.0005	0.0159	GSK3A	glycogen synthase kinase 3 alpha

11757274_s_at	2.46	4.18	-3.3	0.0005	0.0159	ARGLU1	arginine and glutamate rich 1
11758098_x_at	3.01	5.58	-5.91	0.0005	0.016	TPT1	tumor protein, translationally-controlled 1
11721906_s_at	2.47	3.57	-2.14	0.0005	0.016	PSMA4	proteasome subunit alpha 4
11718051_a_at	2.65	3.89	-2.36	0.0005	0.0161	RPL27	ribosomal protein L27
11718270_s_at	3.16	4.34	-2.28	0.0005	0.0162	HNRNPUL1	heterogeneous nuclear ribonucleoprotein U-like 1
11732278_at	2.49	4.55	-4.15	0.0005	0.0164	FOXP1	forkhead box P1
11728666_s_at	1.82	4.27	-5.46	0.0005	0.0164	PCBP2	poly(rC) binding protein 2
11757424_x_at	1.24	3.62	-5.18	0.0005	0.0167	RPL37	ribosomal protein L37
11716247_s_at	1.6	3.92	-4.97	0.0005	0.0167	TOP2B	topoisomerase (DNA) II beta
11752278_x_at	2.3	6.21	-14.95	0.0005	0.0167	PABPC1	poly(A) binding protein, cytoplasmic 1
11742128_x_at	1.68	3.31	-3.11	0.0005	0.0169	DEGS1	delta(4)-desaturase, sphingolipid 1
11764006_a_at	1.46	2.96	-2.82	0.0005	0.017	TXNL1	thioredoxin-like 1
11742827_a_at	3.23	4.43	-2.3	0.0006	0.0173	PHF3	PHD finger protein 3
11722167_s_at	1.35	3.57	-4.66	0.0006	0.0174	CTNNB1	catenin (cadherin-associated protein), beta 1
11746002_a_at	1.61	3.24	-3.11	0.0006	0.0174	CASP4	caspase 4
11757375_x_at	2.26	3.62	-2.57	0.0006	0.0177	RPS15	ribosomal protein S15
11728662_s_at	1.25	2.59	-2.55	0.0006	0.0177	GABARAPL2	GABA(A) receptor-associated protein like 2
11718843_s_at	1.61	3.25	-3.11	0.0006	0.0178	DNAJC25- GNG10; GNG10	DNAJC25-GNG10 readthrough; guanine nucleotide binding protein (G protein), gamma 10
11757003_x_at	1.76	4	-4.71	0.0006	0.018	RPL6	ribosomal protein L6
11756504_s_at	2.23	3.39	-2.23	0.0006	0.018	LOC728715; OVOS; OVOS2	ovostatin homolog 2; ovostatin; ovostatin 2
11757858_s_at	1.44	2.65	-2.31	0.0006	0.0182	EIF2S3	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa
200018_PM_at	2.33	3.72	-2.62	0.0006	0.0182	RPS13	ribosomal protein S13
11721624_s_at	2.21	3.94	-3.33	0.0006	0.0187	WSB1	WD repeat and SOCS box containing 1
11715917_a_at	1.23	2.42	-2.28	0.0007	0.0192	CD44	CD44 molecule (Indian blood group)
11715897_at	1.71	2.86	-2.21	0.0007	0.0193	SCARB2	scavenger receptor class B, member 2
11757748_x_at	3.79	6.22	-5.39	0.0007	0.0193	RPL23A	ribosomal protein L23a

11728878_s_at	1.53	2.7	-2.25	0.0007	0.0195	ARID1B	AT rich interactive domain 1B (SWI1-like)
11758038_x_at	1.46	6.52	-33.35	0.0007	0.0198	RPL35A; ZNF391	ribosomal protein L35a; zinc finger protein 391
11727433_s_at	1.75	3.46	-3.29	0.0007	0.0198	NUTF2	nuclear transport factor 2
11742954_a_at	3.02	4.57	-2.92	0.0007	0.0199	KRT6A	keratin 6A, type II
11742456_a_at	2.73	5.12	-5.26	0.0007	0.0199	PTBP1	polypyrimidine tract binding protein 1
11722999_x_at	1.75	2.87	-2.16	0.0007	0.0199	UBE2D3	ubiquitin conjugating enzyme E2D 3
11762992_at	5.86	7.42	-2.96	0.0007	0.0201	ATP6; COX1	ATP synthase F0 subunit 6; cytochrome c oxidase subunit I
11758011_x_at	2.95	7.4	-21.85	0.0007	0.0201	EEF1A1	eukaryotic translation elongation factor 1 alpha 1
11753784_x_at	3.15	5.4	-4.79	0.0008	0.0203	RPL34	ribosomal protein L34
11717647_at	1.72	2.93	-2.32	0.0008	0.0208	MCMBP	minichromosome maintenance complex binding protein
11758587_x_at	1.78	3.07	-2.44	0.0008	0.0209	RPL5	ribosomal protein L5
11717939_a_at	1.74	3.57	-3.55	0.0008	0.0209	U2AF2	U2 small nuclear RNA auxiliary factor 2
11757489_x_at	2.32	4.07	-3.38	0.0008	0.0213	RPL22	ribosomal protein L22
11742700_s_at	1.29	2.89	-3.04	0.0008	0.0216	C1R	complement component 1, r subcomponent
11715385_s_at	2.2	3.95	-3.36	0.0009	0.0218	C4orf46; TOMM7	chromosome 4 open reading frame 46; translocase of outer mitochondrial membrane 7 homolog (yeast)
200061_PM_s_at	1.95	3.65	-3.24	0.0009	0.0219	RPS24	ribosomal protein S24
200095_PM_x_at	4.52	6.77	-4.73	0.0009	0.022	RPS10	ribosomal protein S10
11725404_x_at	5.2	7.04	-3.58	0.0009	0.022	RPL13	ribosomal protein L13
11757276_x_at	1.85	5.56	-13.08	0.0009	0.022	RPL24	ribosomal protein L24
11728530_a_at	1.75	2.75	-2	0.0009	0.0222	BLNK	B-cell linker
11744836_x_at	3.02	4.44	-2.68	0.001	0.0231	RPL35	ribosomal protein L35
11757525_s_at	1.65	3.36	-3.29	0.001	0.0231	BICD2	bicaudal D homolog 2 (Drosophila)
11720309_s_at	2.65	4.19	-2.91	0.001	0.0233	SERP1	stress-associated endoplasmic reticulum protein 1
11757328_x_at	3.13	4.78	-3.13	0.001	0.0235	RPL27	ribosomal protein L27
11731433_a_at	2.38	4.18	-3.48	0.001	0.0236	SEPP1	selenoprotein P, plasma, 1
11729134_s_at	2.79	3.9	-2.15	0.001	0.0236	STK24	serine/threonine kinase 24
11718246_a_at	2.05	3.82	-3.4	0.001	0.0239	SPIDR	scaffolding protein involved in DNA repair
11757069_s_at	2.35	3.5	-2.22	0.001	0.024		

11716334_a_at	2.25	3.63	-2.61	0.0011	0.0241	RBX1	ring-box 1, E3 ubiquitin protein ligase
11758158_s_at	3.26	5.35	-4.26	0.0011	0.0245	FOXP1	forkhead box P1
11758667_x_at	2.03	3.84	-3.49	0.0011	0.0248	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta
11757633_x_at	3.28	6.58	-9.84	0.0011	0.025	FTH1	ferritin, heavy polypeptide 1
11740615_a_at	3.36	4.87	-2.85	0.0011	0.025	KANSL1	KAT8 regulatory NSL complex subunit 1
11754933_s_at	1.36	2.37	-2.01	0.0012	0.0253	TSC22D2	TSC22 domain family, member 2
11731652_a_at	1.49	3.43	-3.84	0.0012	0.0254	C20orf24; TGIF2-C20orf24	chromosome 20 open reading frame 24; TGIF2-C20orf24 readthrough
11718045_s_at	1.94	3.94	-4.01	0.0012	0.0256	RAB11B	RAB11B, member RAS oncogene family
11724136_s_at	1.99	2.99	-2.01	0.0012	0.0258	ZBTB4	zinc finger and BTB domain containing 4
11757428_a_at	1.44	3.58	-4.4	0.0013	0.0264	SF3B5	splicing factor 3b subunit 5
11734652_s_at	2.11	3.56	-2.74	0.0013	0.0264	ATP5F1	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit B1
11718592_s_at	1.33	3.99	-6.3	0.0013	0.0266	RTN4	reticulon 4
11752331_s_at	3.9	5.08	-2.26	0.0013	0.0269	LOC105369243; SLX1A-SULT1A3; SLX1B-SULT1A4; SULT1A3; SULT1A4	sulfotransferase 1A3-like; SLX1A-SULT1A3 readthrough (NMD candidate); SLX1B-SULT1A4 readthrough (NMD candidate); sulfotransferase family 1A member 3; sulfotransferase family 1A member 4
200077_PM_s_at	2.08	3.53	-2.74	0.0013	0.0272	OAZ1	ornithine decarboxylase antizyme 1
11759346_a_at	3.1	4.14	-2.06	0.0014	0.0277	MAML2	mastermind-like transcriptional coactivator 2
11757420_s_at	1.87	2.99	-2.17	0.0014	0.028	ZFP36L2	ZFP36 ring finger protein-like 2
11757629_x_at	4.05	7.78	-13.19	0.0014	0.0281	RPS29	ribosomal protein S29
11715889_a_at	1.26	7.58	-79.86	0.0015	0.0287	ATP5I	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit E
200092_PM_s_at	1.97	5.33	-10.24	0.0015	0.029	RPL37	ribosomal protein L37

11757507_s_at	2.06	4.27	-4.62	0.0017	0.0312	DSP	desmoplakin
11716515_x_at	3.95	5.14	-2.28	0.0017	0.0313	ADD1	adducin 1 (alpha)
11745971_s_at	4.41	5.76	-2.54	0.0018	0.0321	EIF3B	eukaryotic translation initiation factor 3, subunit B
11758711_x_at	3.21	6.06	-7.24	0.0018	0.0322	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta
11758277_x_at	2.76	4.93	-4.48	0.0018	0.0324	NBPF11; NBPF12; NBPF15; NBPF19; NBPF20; NBPF26; NBPF8; NBPF9	neuroblastoma breakpoint family, member 11; neuroblastoma breakpoint family, member 12; neuroblastoma breakpoint family, member 15; neuroblastoma breakpoint family, member 19; neuroblastoma breakpoint family, member 20; neuroblastoma breakpoint family, member 26; neuroblastoma breakpoint family, member 8; neuroblastoma breakpoint family, member 9
11757385_x_at	3.3	6.34	-8.22	0.0019	0.0334	RPL13A; RPL13AP5	ribosomal protein L13a; ribosomal protein L13a pseudogene 5
11757665_x_at	2.57	4.06	-2.82	0.002	0.0338	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)
11733690_s_at	1.96	2.98	-2.04	0.002	0.034	SEC11A	SEC11 homolog A, signal peptidase complex subunit
11758282_s_at	2.35	4.55	-4.61	0.002	0.034	TUBA1C	tubulin, alpha 1c
11721466_s_at	2.11	3.95	-3.6	0.0021	0.035	COX7A2	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)
11755503_x_at	6.95	8.13	-2.27	0.0022	0.0356	UBC	ubiquitin C
11742138_a_at	1.87	4.13	-4.79	0.0022	0.0361	UBE2E3	ubiquitin-conjugating enzyme E2E 3
11754235_a_at	1.22	2.63	-2.65	0.0022	0.0361	PTPRF	protein tyrosine phosphatase, receptor type, F
11746041_a_at	2.17	3.72	-2.92	0.0023	0.0365	TRA2B	transformer 2 beta homolog (Drosophila)
11757080_s_at	1.27	6.27	-32.08	0.0023	0.0367	RPS29	ribosomal protein S29
11716795_s_at	1.07	2.87	-3.47	0.0023	0.037	IFI16	interferon, gamma-inducible protein 16
11719480_a_at	1.95	4.41	-5.48	0.0024	0.0371	CSTA	cystatin A (stefin A)
11758260_x_at	1.86	4.42	-5.9	0.0024	0.0377	B2M	beta-2-microglobulin
11739481_x_at	5.02	7.06	-4.11	0.0025	0.0379	H3F3A;	H3 histone, family 3A; H3 histone, family 3A, pseudogene

						H3F3AP4	4
11737145_s_at	1.52	3.17	-3.15	0.0025	0.0385	SH3YL1	SH3 and SYLF domain containing 1
AFFX-r2-Bs-dap-5_at	2.2	10.51	-316.82	0.0026	0.0392		
11732251_s_at	1.88	2.92	-2.06	0.0027	0.0397	RCOR3	REST corepressor 3
11739188_a_at	3.57	5.06	-2.79	0.0029	0.0408	BAG5	BCL2-associated athanogene 5
11758663_s_at	2.1	3.37	-2.41	0.003	0.0419	MATR3	matrin 3
11755605_s_at	1.87	4.41	-5.81	0.0033	0.0447	MALAT1	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)
11733009_s_at	1.86	3.31	-2.74	0.0034	0.0452	LUC7L3	LUC7-like 3 pre-mRNA splicing factor
11757678_s_at	4.39	6.37	-3.95	0.0034	0.0454	EEF2	eukaryotic translation elongation factor 2
11743177_a_at	3.55	5.35	-3.49	0.0035	0.0457	RSF1	remodeling and spacing factor 1
AFFX-r2-Bs-phe-5_at	1.82	8.72	-119.14	0.0035	0.0463		
AFFX-r2-Bs-phe-M_at	4.29	8.81	-22.97	0.0036	0.0469		
11762921_at	3.94	7.63	-12.93	0.0037	0.0476	COX3	cytochrome c oxidase III
AFFX-PheX-M_at	4.2	8.62	-21.41	0.0038	0.0484		
11719351_s_at	2.04	3.05	-2.02	0.004	0.0495	GCC2	GRIP and coiled-coil domain containing 2
11757602_x_at	1.76	2.9	-2.21	0.004	0.0496	ERP29	endoplasmic reticulum protein 29
11736094_a_at	2.15	3.99	-3.58	0.004	0.0499	DCTD	dCMP deaminase
AFFX-r2-Bs-lys-5_at	1.46	7.93	-88.79	0.004	0.05		
AFFX-DapX-5_at	2.72	10.24	-182.8	0.0041	0.0507		
11757529_s_at	3.29	4.84	-2.94	0.0043	0.0515	LAMP1	lysosomal-associated membrane protein 1
AFFX-LysX-5_at	1.89	7.78	-58.96	0.0043	0.0516		
AFFX-DapX-M_at	6.66	11.36	-26.01	0.0043	0.0521		
11756169_x_at	2.76	6.49	-13.28	0.0045	0.0531	OAZ1	ornithine decarboxylase antizyme 1
11757907_x_at	2.12	3.85	-3.31	0.0048	0.0551	HSPA1A; HSPA1B	heat shock 70kDa protein 1A; heat shock 70kDa protein 1B
11715823_x_at	1.51	2.66	-2.21	0.0049	0.0557	SYPL1	synaptophysin-like 1
11758557_s_at	3.96	6.26	-4.92	0.0052	0.0575	ZFP36L1	ZFP36 ring finger protein-like 1
11762923_x_at	5.02	7.81	-6.9	0.0057	0.0606	COX3;	cytochrome c oxidase III; uncharacterized LOC101929612

						LOC101929612	
11744653_x_at	6.57	7.79	-2.34	0.0058	0.0611	UBC	ubiquitin C
11740986_a_at	2.28	3.65	-2.58	0.0061	0.0629	CD99L2	CD99 molecule-like 2
AFFX-PheX-5_at	2.5	8.67	-72.15	0.0062	0.0638		
AFFX-r2-Bs-dap-M_at	7.15	11.55	-21.12	0.0064	0.0649		
11727361_a_at	1.52	2.66	-2.2	0.0068	0.0672	MYLK	myosin light chain kinase
11723400_a_at	3.22	4.94	-3.3	0.0072	0.0693	STK4	serine/threonine kinase 4
11715238_x_at	2.81	8.42	-48.67	0.0072	0.0695	RPL9	ribosomal protein L9
11721242_s_at	1.36	2.37	-2.02	0.0075	0.0708	FDFT1	farnesyl-diphosphate farnesyltransferase 1
11715934_s_at	3.24	5.32	-4.23	0.0083	0.0755	TAGLN	transgelin
11742666_s_at	3.3	9.42	-69.4	0.0085	0.0761	RPS28	ribosomal protein S28
AFFX-r2-Bs-lys-M_at	2.96	7.97	-32.25	0.0086	0.0768		
11736501_x_at	2.53	3.67	-2.21	0.0087	0.0771	SS18	synovial sarcoma translocation, chromosome 18
11729413_a_at	2.09	4.18	-4.25	0.0089	0.0784	LRRC8A	leucine rich repeat containing 8 family, member A
11729863_a_at	5.03	6.31	-2.42	0.0095	0.0813	EPN1	epsin 1
AFFX-r2-Bs-thr-M_s_at	2.3	8.69	-83.65	0.0096	0.0821		
AFFX-ThrX-M_at	1.75	8.12	-82.94	0.0103	0.0856		
11733938_x_at	4.47	5.51	-2.06	0.0105	0.0863	LYPLA2	lysophospholipase II
11744336_s_at	2.82	9.97	-142.31	0.0107	0.0873	RPL32	ribosomal protein L32
11728453_a_at	1.96	3.21	-2.37	0.0108	0.0876	DOCK9	dedicator of cytokinesis 9
AFFX-r2-Bs-lys-3_at	5.98	8.47	-5.62	0.0111	0.0893		
11718498_s_at	2.59	3.82	-2.35	0.0116	0.0918	F8A1; F8A2; F8A3	coagulation factor VIII-associated 1; coagulation factor VIII-associated 2; coagulation factor VIII-associated 3
11744484_s_at	2.29	6.35	-16.73	0.0119	0.0931	HLA-DRA	major histocompatibility complex, class II, DR alpha
AFFX-LysX-M_at	4.74	8.62	-14.71	0.0125	0.0959		
11740580_at	1.64	2.74	-2.14	0.0128	0.0976	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1
11716579_a_at	3.42	5.12	-3.24	0.0133	0.0997	CYSTM1	cysteine-rich transmembrane module containing 1
11755857_s_at	2.46	3.85	-2.62	0.0138	0.1022	RNPS1	RNA binding protein S1, serine-rich domain
AFFX-ThrX-3_at	6.99	9.85	-7.28	0.0144	0.1049		

AFFX-LysX-3_at	7.49	9.34	-3.61	0.0148	0.1061		
AFFX-r2-Bs-thr-3_s_at	7.22	10.05	-7.1	0.0177	0.1184		
11739787_a_at	1.68	4.37	-6.48	0.0183	0.1203	IGF2; INS-IGF2	insulin-like growth factor 2; INS-IGF2 readthrough
AFFX-PheX-3_at	7.22	8.84	-3.08	0.0227	0.1366		
11762402_a_at	1.61	2.76	-2.22	0.0234	0.1386	ZMYND8	zinc finger, MYND-type containing 8
11730888_a_at	1.97	3.08	-2.15	0.0258	0.1466	USF2	upstream transcription factor 2, c-fos interacting
AFFX-r2-Bs-thr-5_s_at	1.73	7.14	-42.6	0.0274	0.152		
11723597_at	1.41	4.57	-8.93	0.0277	0.1529	MAP2K7	mitogen-activated protein kinase kinase 7
AFFX-DapX-3_at	9.64	12.17	-5.76	0.0298	0.159		
AFFX-M27830_M_at	5.49	6.94	-2.73	0.0317	0.1649		
AFFX-HUMRGE/M10098_M_at	2.55	5.48	-7.63	0.0318	0.1649		
AFFX-r2-Bs-phe-3_at	8.33	9.62	-2.44	0.0326	0.1673		
AFFX-M27830_5_at	2.26	4.2	-3.85	0.0328	0.168		
11730178_s_at	2.74	3.92	-2.26	0.0343	0.1731	SPOP	speckle-type POZ protein
11721975_s_at	3.58	4.82	-2.37	0.0347	0.1743	TPSAB1; TPSB2	tryptase alpha/beta 1; tryptase beta 2 (gene/pseudogene)
11728255_s_at	5.65	7.51	-3.63	0.0383	0.1846	GLTSCR2	glioma tumor suppressor candidate region gene 2
AFFX-ThrX-5_at	2.06	6.4	-20.33	0.0443	0.2009		

FDR, false discovery rate.

Table SIII. Differential gene expression between metastasis-negative and -positive mucosal tissues.

ID	Mucosa: Negative average (log2)	Mucosa: Positive average (log2)	Fold change	P-value	FDR P-value	Gene symbol	Description
11718169_a_at	3.83	5.96	-4.39	9.05×10^{-9}	4.47×10^{-5}	AZGP1	alpha-2-glycoprotein 1, zinc-binding
11744776_a_at	1.61	4.12	-5.72	3.98×10^{-8}	0.0001	NNMT	nicotinamide N-methyltransferase
11762091_x_at	3.24	4.61	-2.57	6.95×10^{-8}	0.0002	IGH; IGHA2	immunoglobulin heavy locus; immunoglobulin heavy constant alpha 2 (A2m marker)
11726063_a_at	1.99	3.08	-2.13	8.41×10^{-8}	0.0002	C2orf40	chromosome 2 open reading frame 40
11759856_at	2.77	1.76	2.02	2.65×10^{-7}	0.0003	SNRPG	small nuclear ribonucleoprotein polypeptide G
11732178_a_at	1.33	3.47	-4.42	3.57×10^{-7}	0.0004	MYH11	myosin, heavy chain 11, smooth muscle
11717929_s_at	4.47	6.37	-3.72	4.19×10^{-7}	0.0004	FOLR1	folate receptor 1 (adult)
11762060_x_at	2.27	3.32	-2.08	5.06×10^{-7}	0.0004	CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
11758247_x_at	1.93	3.07	-2.21	5.76×10^{-7}	0.0004	ARL4D	ADP-ribosylation factor like GTPase 4D
11716109_a_at	2.92	8.62	-52.14	7.15×10^{-7}	0.0005	PIGR	polymeric immunoglobulin receptor
11735104_x_at	2.47	3.49	-2.02	8.32×10^{-7}	0.0005	HDLBP	high density lipoprotein binding protein
11719265_a_at	3.44	5.06	-3.07	8.74×10^{-7}	0.0005	MLPH	melanophilin
11757721_s_at	2.17	3.28	-2.16	1.03×10^{-6}	0.0006	CSRNP1	cysteine-serine-rich nuclear protein 1
11744843_s_at	1.93	2.99	-2.08	1.14×10^{-6}	0.0006	PAPPA	pregnancy-associated plasma protein A, pappalysin 1
11718577_s_at	1.27	2.78	-2.85	1.27×10^{-6}	0.0006	NET1	neuroepithelial cell transforming 1
11731645_a_at	4.07	5.1	-2.04	1.34×10^{-6}	0.0006	CAMKK2	calcium/calmodulin-dependent protein kinase kinase 2, beta
11736151_a_at	1.62	2.7	-2.12	1.39×10^{-6}	0.0006	PRMT7	protein arginine methyltransferase 7
11742700_s_at	1.89	5.85	-15.57	1.56×10^{-6}	0.0006	C1R	complement component 1, r subcomponent
11716607_a_at	2.74	3.96	-2.33	1.58×10^{-6}	0.0006	TCEB2	transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B)
11748016_a_at	1.78	4.04	-4.8	1.61×10^{-6}	0.0006	ACTG2	actin, gamma 2, smooth muscle, enteric
11726796_a_at	1.97	0.91	2.09	1.71×10^{-6}	0.0007	NEXN	nexilin (F actin binding protein)

11716111_x_at	2.4	5.59	-9.11	2.07x10 ⁻⁶	0.0007	PIGR	polymeric immunoglobulin receptor
11721660_s_at	2.9	4.22	-2.49	2.97x10 ⁻⁶	0.0008	LMO4	LIM domain only 4
11762999_at	2.14	3.36	-2.33	3.52x10 ⁻⁶	0.0009	IGH	immunoglobulin heavy locus
11716792_s_at	2.65	4.47	-3.54	3.59x10 ⁻⁶	0.0009	DKFZp686 K1684; RCN1	uncharacterized LOC440034; reticulocalbin 1, EF-hand calcium binding domain
11757190_s_at	1.69	4.01	-4.99	3.61x10 ⁻⁶	0.0009	LITAF	lipopolysaccharide-induced TNF factor
11757546_x_at	2.66	3.67	-2.02	3.98x10 ⁻⁶	0.001	MICALL2	MICAL-like 2
11715784_s_at	2.68	9.24	-94.56	4.22x10 ⁻⁶	0.001	PRR4	proline rich 4 (lacrimal)
11716203_a_at	1.27	2.36	-2.12	4.78x10 ⁻⁶	0.0011	MGP	matrix Gla protein
11730022_a_at	3.71	4.89	-2.26	4.79x10 ⁻⁶	0.0011	PILRB; STAG3L5P- PVRIG2P- PILRB	paired immunoglobulin-like type 2 receptor beta; STAG3L5P-PVRIG2P-PILRB readthrough
11715890_x_at	4.21	7.07	-7.28	5.70x10 ⁻⁶	0.0011	ATP5I	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit E
11764261_s_at	2.35	1.23	2.17	6.23x10 ⁻⁶	0.0012	TMPRSS11 A	transmembrane protease, serine 11A
11718967_at	1.35	2.41	-2.09	6.27x10 ⁻⁶	0.0012	DDX6	DEAD (Asp-Glu-Ala-Asp) box helicase 6
11757990_s_at	1.98	5.67	-12.9	6.30x10 ⁻⁶	0.0012	CFH; CFHR1	complement factor H; complement factor H-related 1
11719885_a_at	2.2	4.57	-5.2	7.04x10 ⁻⁶	0.0013	KAZN	kazrin, periplakin interacting protein
11743704_x_at	1.97	3.01	-2.04	8.73x10 ⁻⁶	0.0015	ABHD11	abhydrolase domain containing 11
11731050_at	2.45	3.47	-2.02	9.83x10 ⁻⁶	0.0016	CEP126	centrosomal protein 126kDa
11717576_a_at	4.29	6.37	-4.22	1.01x10 ⁻⁵	0.0016	SFN	stratifin
11757726_x_at	3.56	4.62	-2.09	1.06x10 ⁻⁵	0.0017	NHP2	NHP2 ribonucleoprotein
11718150_at	2.37	3.41	-2.05	1.09x10 ⁻⁵	0.0017	PRADC1	protease-associated domain containing 1
11757612_a_at	2.08	3.24	-2.24	1.16x10 ⁻⁵	0.0017	ASRGL1	asparaginase like 1
11754519_x_at	3.27	7.64	-20.61	1.20x10 ⁻⁵	0.0018	PRR4	proline rich 4 (lacrimal)

11724852_s_at	2.79	3.9	-2.16	1.22x10 ⁻⁵	0.0018	LRP3	LDL receptor related protein 3
11763965_s_at	2.55	1.49	2.09	1.31x10 ⁻⁵	0.0019	MDN1	midasin AAA ATPase 1
11757535_x_at	1.46	5.1	-12.46	1.46x10 ⁻⁵	0.002	PRR4	proline rich 4 (lacrimal)
11741605_a_at	3.68	5.07	-2.63	1.47x10 ⁻⁵	0.002	CHD3	chromodomain helicase DNA binding protein 3
11717813_a_at	2.7	4	-2.46	1.47x10 ⁻⁵	0.002	ST3GAL4	ST3 beta-galactoside alpha-2,3-sialyltransferase 4
11744531_x_at	1.77	3.13	-2.57	1.62x10 ⁻⁵	0.0021	EIF5B	eukaryotic translation initiation factor 5B
11745541_a_at	2.14	3.18	-2.05	1.76x10 ⁻⁵	0.0022	SSU72	SSU72 homolog, RNA polymerase II CTD phosphatase
11719561_s_at	3.38	4.82	-2.71	1.96x10 ⁻⁵	0.0023	SOX4	SRY box 4
11753627_x_at	2.26	3.33	-2.11	2.09x10 ⁻⁵	0.0024	TAGLN	transgelin
11734994_s_at	1.5	3.22	-3.29	2.11x10 ⁻⁵	0.0024	SKI	SKI proto-oncogene
11757505_a_at	5.24	7.85	-6.13	2.14x10 ⁻⁵	0.0024	HDLBP	high density lipoprotein binding protein
11730408_a_at	1.78	4.4	-6.14	2.22x10 ⁻⁵	0.0025	C19orf33	chromosome 19 open reading frame 33
11758000_s_at	3.77	6	-4.69	2.31x10 ⁻⁵	0.0025	CXADR	coxsackie virus and adenovirus receptor
11720975_a_at	1.63	2.7	-2.09	2.54x10 ⁻⁵	0.0026	WIPF2	WAS/WASL interacting protein family, member 2
11746601_a_at	1.66	2.69	-2.03	2.63x10 ⁻⁵	0.0027	GGA3	golgi-associated, gamma adaptin ear containing, ARF binding protein 3
11743177_a_at	4.06	7.06	-8	2.84x10 ⁻⁵	0.0028	RSF1	remodeling and spacing factor 1
11736657_a_at	2.23	3.49	-2.39	3.05x10 ⁻⁵	0.0029	REST	RE1-silencing transcription factor
11758814_at	2.33	3.42	-2.12	3.09x10 ⁻⁵	0.0029	NSA2	NSA2 ribosome biogenesis homolog
11759622_s_at	2.13	4.21	-4.24	3.23x10 ⁻⁵	0.003	DDX21	DEAD (Asp-Glu-Ala-Asp) box helicase 21
11741169_at	2.57	4.02	-2.73	3.25x10 ⁻⁵	0.003	MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)
11723528_s_at	3.24	4.49	-2.38	3.36x10 ⁻⁵	0.003	LENG8	leukocyte receptor cluster (LRC) member 8
11718222_s_at	2.24	3.34	-2.15	3.36x10 ⁻⁵	0.003	GSPT1	G1 to S phase transition 1
11742929_a_at	2.41	3.56	-2.23	3.42x10 ⁻⁵	0.003	AP3D1	adaptor-related protein complex 3, delta 1 subunit
11757177_s_at	3.55	5.08	-2.87	3.65x10 ⁻⁵	0.0032	RNF149; SNORD89	ring finger protein 149; small nucleolar RNA, C/D box 89
11728256_x_at	2.39	4.44	-4.15	3.76x10 ⁻⁵	0.0032	GLTSCR2	glioma tumor suppressor candidate region gene 2
11758217_s_at	1.52	4.89	-10.34	3.78x10 ⁻⁵	0.0032	ABHD17C	abhydrolase domain containing 17C
11736120_s_at	1.79	3.8	-4.03	3.86x10 ⁻⁵	0.0032	ZFAND5	zinc finger, AN1-type domain 5

11757545_x_at	4.25	6.1	-3.61	3.86x10 ⁻⁵	0.0032	PECAM1	platelet/endothelial cell adhesion molecule 1
11715462_x_at	1.89	6.84	-30.8	4.05x10 ⁻⁵	0.0033	LYZ	lysozyme
11744161_a_at	3.49	4.52	-2.05	4.09x10 ⁻⁵	0.0033	RFX1	regulatory factor X, 1 (influences HLA class II expression)
11726583_s_at	3.23	5.31	-4.22	4.14x10 ⁻⁵	0.0033	CKAP4	cytoskeleton-associated protein 4
200012_PM_x_at	3.89	6.72	-7.13	4.47x10 ⁻⁵	0.0034	RPL21	ribosomal protein L21
11753680_x_at	4.43	7.76	-10.01	5.14x10 ⁻⁵	0.0036	RPL21	ribosomal protein L21
11754192_s_at	2.62	6	-10.46	5.22x10 ⁻⁵	0.0037	SRSF11	serine/arginine-rich splicing factor 11
11715934_s_at	3.78	7.24	-11.06	5.31x10 ⁻⁵	0.0037	TAGLN	transgelin
11735713_x_at	3.36	5.06	-3.26	5.52x10 ⁻⁵	0.0038	CSNK1G2	casein kinase 1, gamma 2
11726418_x_at	1.85	3.97	-4.37	5.68x10 ⁻⁵	0.0038	ABI1	abl-interactor 1
11754504_x_at	2.51	3.71	-2.29	5.95x10 ⁻⁵	0.004	AGAP4; AGAP7P; LOC101060 581; LOC105369 258	ArfGAP with GTPase domain, ankyrin repeat and PH domain 4; ArfGAP with GTPase domain, ankyrin repeat and PH domain 7, pseudogene; arf-GAP with GTPase, ANK repeat and PH domain- containing protein 5-like; arf-GAP with GTPase, ANK repeat and PH domain-containing protein 4
11747729_s_at	4.84	3.71	2.18	6.14x10 ⁻⁵	0.004	SDHA; SDHAP1; SDHAP2	succinate dehydrogenase complex subunit A, flavoprotein (Fp); succinate dehydrogenase complex subunit A, flavoprotein pseudogene 1; succinate dehydrogenase complex subunit A, flavoprotein pseudogene 2
11741216_x_at	2.84	6.61	-13.65	6.17x10 ⁻⁵	0.0041	APP	amyloid beta (A4) precursor protein
11742827_a_at	2.58	5.03	-5.48	6.81x10 ⁻⁵	0.0043	PHF3	PHD finger protein 3
11730178_s_at	2.94	5.38	-5.45	6.94x10 ⁻⁵	0.0044	SPOP	speckle-type POZ protein
11744440_s_at	1.89	3.74	-3.6	7.25x10 ⁻⁵	0.0044	CDK5RAP3	CDK5 regulatory subunit associated protein 3
11717862_x_at	3.08	5.25	-4.5	8.34x10 ⁻⁵	0.0047	EGR1	early growth response 1
11741978_s_at	3.45	4.64	-2.28	8.37x10 ⁻⁵	0.0047	RHCE; RHD	Rh blood group, CcEe antigens; Rh blood group, D antigen
11747964_a_at	2.13	3.91	-3.43	8.54x10 ⁻⁵	0.0048	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7
11743913_s_at	3.5	4.72	-2.34	8.81x10 ⁻⁵	0.0049	SPOP	speckle-type POZ protein

11740580_at	1.75	4.43	-6.41	9.23×10^{-5}	0.005	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1
11757678_s_at	5.14	8.38	-9.45	0.0001	0.0053	EEF2	eukaryotic translation elongation factor 2
11739616_x_at	3.26	4.47	-2.32	0.0001	0.0054	CD3EAP	CD3e molecule, epsilon associated protein
11738879_s_at	3.35	4.76	-2.65	0.0001	0.0055	PSG1; PSG8	pregnancy specific beta-1-glycoprotein 1; pregnancy specific beta-1-glycoprotein 8
11731954_a_at	2.73	3.93	-2.29	0.0001	0.0055	CEACAM19	carcinoembryonic antigen-related cell adhesion molecule 19
11752369_a_at	3.92	5.85	-3.81	0.0001	0.0056	IMPDH2	IMP (inosine 5'-monophosphate) dehydrogenase 2
11715889_a_at	5.13	8.84	-13.09	0.0001	0.0057	ATP5I	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit E
11720642_a_at	3.56	4.65	-2.13	0.0001	0.0057	IVD	isovaleryl-CoA dehydrogenase
11750917_a_at	2.51	3.56	-2.07	0.0001	0.0057	C15orf39	chromosome 15 open reading frame 39
11741067_x_at	4.62	5.66	-2.07	0.0001	0.0058	SUMF2	sulfatase modifying factor 2
11763132_x_at	2.79	3.9	-2.16	0.0001	0.0058	IGKC	immunoglobulin kappa constant
11739188_a_at	3.36	6.1	-6.7	0.0001	0.0058	BAG5	BCL2-associated athanogene 5
11729393_a_at	2.29	3.6	-2.48	0.0001	0.0059	TRIM3	tripartite motif containing 3
11728255_s_at	4.32	9.45	-34.96	0.0001	0.0059	GLTSCR2	glioma tumor suppressor candidate region gene 2
11749964_a_at	2.8	3.99	-2.29	0.0001	0.0062	ZCCHC17	zinc finger, CCHC domain containing 17
11720615_a_at	2.97	4.17	-2.3	0.0001	0.0062	TUBG2	tubulin, gamma 2
11725404_x_at	5.65	7.65	-4.02	0.0001	0.0063	RPL13	ribosomal protein L13
11764130_s_at	4.08	7.53	-10.9	0.0002	0.0064	IGH; IGHA1; IGHA2	immunoglobulin heavy locus; immunoglobulin heavy constant alpha 1; immunoglobulin heavy constant alpha 2 (A2m marker)
11733046_x_at	3	4.61	-3.05	0.0002	0.0066	ABI1	abl-interactor 1
11755731_a_at	2.9	4.21	-2.48	0.0002	0.0068	KLK3	kallikrein related peptidase 3
11743521_s_at	2.15	6.34	-18.19	0.0002	0.0069	KHSRP	KH-type splicing regulatory protein
11753367_a_at	1.63	2.8	-2.24	0.0002	0.0072	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1
11763162_a_at	2.48	3.57	-2.13	0.0002	0.0072	DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9
11720087_a_at	1.44	3.44	-4.01	0.0002	0.0073	NUCB2	nucleobindin 2
11720088_x_at	1.59	3.76	-4.53	0.0002	0.0073	NUCB2	nucleobindin 2

11757653_s_at	2.06	3.64	-2.99	0.0002	0.0073	CDK5RAP3	CDK5 regulatory subunit associated protein 3
11759300_s_at	3.07	4.16	-2.13	0.0002	0.0073	AKAP10	A kinase (PRKA) anchor protein 10
11737245_x_at	3.54	4.62	-2.11	0.0002	0.0074	AGAP5	ArfGAP with GTPase domain, ankyrin repeat and PH domain 5
11757512_a_at	2.46	3.61	-2.21	0.0002	0.0076	ADI1	acireductone dioxygenase 1
11757665_x_at	2.04	5.86	-14.14	0.0002	0.0076	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)
11739300_a_at	2.85	3.87	-2.03	0.0002	0.0077	CISD3	CDGSH iron sulfur domain 3
11753691_x_at	2.09	4.13	-4.12	0.0002	0.0077	RPL24	ribosomal protein L24
11719624_a_at	3.28	5.1	-3.55	0.0002	0.0079	PLEKHM1	pleckstrin homology domain containing, family M (with RUN domain) member 1
11759525_at	1.88	3.33	-2.74	0.0002	0.0079	GADD45B	growth arrest and DNA-damage-inducible, beta
11716795_s_at	1.41	3.68	-4.84	0.0002	0.0083	IFI16	interferon, gamma-inducible protein 16
11729863_a_at	5.24	7.27	-4.1	0.0003	0.0086	EPN1	epsin 1
11758697_x_at	2.96	7.79	-28.55	0.0003	0.0087	RPL10A	ribosomal protein L10a
11757530_a_at	2.24	3.47	-2.33	0.0003	0.0087	C19orf53	chromosome 19 open reading frame 53
11755036_a_at	5.69	7.38	-3.22	0.0003	0.0087	CNP	2',3'-cyclic nucleotide 3' phosphodiesterase
11750745_a_at	1.49	2.53	-2.06	0.0003	0.0088	HSPA9	heat shock 70kDa protein 9 (mortalin)
11753784_x_at	2.83	6.43	-12.09	0.0003	0.0088	RPL34	ribosomal protein L34
11748097_x_at	4.23	7.66	-10.81	0.0003	0.0089	PABPC1	poly(A) binding protein, cytoplasmic 1
11733850_x_at	2.42	3.57	-2.22	0.0003	0.009	GTF3A	general transcription factor IIIA
11757472_x_at	4.34	5.98	-3.11	0.0003	0.0091	NEDD8	neural precursor cell expressed, developmentally down-regulated 8
11760945_at	2.22	3.3	-2.1	0.0003	0.0091	BMP1	bone morphogenetic protein 1
11732650_a_at	2.96	3.99	-2.04	0.0003	0.0095	HEXDC	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing
11719480_a_at	1.88	7.64	-54.17	0.0003	0.0095	CSTA	cystatin A (stefin A)
11715151_x_at	4.38	5.85	-2.78	0.0003	0.0095	PRB3	proline-rich protein BstNI subfamily 3
11721363_x_at	3.19	4.36	-2.25	0.0003	0.0097	IREB2	iron responsive element binding protein 2
11742456_a_at	3.72	6.94	-9.32	0.0004	0.0099	PTBP1	polypyrimidine tract binding protein 1
11716368_x_at	3.74	6.12	-5.21	0.0004	0.0099	PRR13	proline rich 13

11757059_x_at	1.94	5.95	-16.07	0.0004	0.0099	RPL36A; RPL36A- HNRNPH2	ribosomal protein L36a; RPL36A-HNRNPH2 readthrough
11745971_s_at	4.75	7.68	-7.64	0.0004	0.01	EIF3B	eukaryotic translation initiation factor 3, subunit B
11752331_s_at	3.86	5.8	-3.83	0.0004	0.0101	LOC105369 243; SLX1A- SULT1A3; SLX1B- SULT1A4; SULT1A3; SULT1A4	sulfotransferase 1A3-like; SLX1A-SULT1A3 readthrough (NMD candidate); SLX1B-SULT1A4 readthrough (NMD candidate); sulfotransferase family 1A member 3; sulfotransferase family 1A member 4
11743611_a_at	2.15	3.22	-2.09	0.0004	0.0102	ZMYND11	zinc finger, MYND-type containing 11
11762298_a_at	3.61	5.08	-2.77	0.0004	0.0103	TMEM234	transmembrane protein 234
11721616_a_at	3.75	4.85	-2.14	0.0004	0.0103	THEMIS2	thymocyte selection associated family member 2
11717295_s_at	2.77	3.81	-2.05	0.0004	0.0104	APOD	apolipoprotein D
11756981_s_at	3.97	5.32	-2.53	0.0004	0.0105	HDAC7	histone deacetylase 7
11720314_s_at	4.45	5.78	-2.51	0.0004	0.0106	ATP6V0B	ATPase, H ⁺ transporting, lysosomal 21kDa, V0 subunit b
11753900_x_at	5.65	10.29	-24.94	0.0004	0.0107	MT2A	metallothionein 2A
11737660_a_at	3.39	5.02	-3.09	0.0004	0.0108	B4GALT2	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2
11756646_a_at	2.39	6.46	-16.79	0.0004	0.0108	IRF2BP2	interferon regulatory factor 2 binding protein 2
11724866_a_at	2.45	3.69	-2.36	0.0004	0.011	SCGB3A1	secretoglobin, family 3A, member 1
11758038_x_at	2.16	9.15	-126.71	0.0004	0.0111	RPL35A; ZNF391	ribosomal protein L35a; zinc finger protein 391
11739628_a_at	2.99	4.09	-2.15	0.0004	0.0112	CSF1	colony stimulating factor 1 (macrophage)
11720387_a_at	4.08	6.31	-4.69	0.0005	0.0112	MRC2	mannose receptor, C type 2
11746093_x_at	2.92	4.19	-2.41	0.0005	0.0112	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa
11744336_s_at	6.96	11.79	-28.32	0.0005	0.0113	RPL32	ribosomal protein L32
11731247_a_at	2.98	4.29	-2.48	0.0005	0.0113	GTPBP8	GTP-binding protein 8 (putative)

11755309_x_at	2.65	4.71	-4.18	0.0005	0.0113	GLTSCR2	glioma tumor suppressor candidate region gene 2
11755503_x_at	7.01	10.06	-8.27	0.0005	0.0114	UBC	ubiquitin C
11742149_x_at	3.18	4.4	-2.33	0.0005	0.0115	KRTAP10-10	keratin associated protein 10-10
11757385_x_at	4.02	7.59	-11.85	0.0005	0.0117	RPL13A; RPL13AP5	ribosomal protein L13a; ribosomal protein L13a pseudogene 5
11744653_x_at	6.66	9.45	-6.91	0.0005	0.0118	UBC	ubiquitin C
11758691_x_at	3.66	6.94	-9.7	0.0005	0.0118	PGAM1	phosphoglycerate mutase 1 (brain)
11752278_x_at	4.33	7.82	-11.24	0.0005	0.0119	PABPC1	poly(A) binding protein, cytoplasmic 1
11758337_s_at	1.74	2.76	-2.02	0.0005	0.012	ADA	adenosine deaminase
11761022_s_at	6.63	7.67	-2.06	0.0005	0.0121	LOC100507412	uncharacterized LOC100507412
11757470_x_at	2.73	5.15	-5.35	0.0005	0.0121	TCF25	transcription factor 25 (basic helix-loop-helix)
11756897_x_at	1.97	3.83	-3.63	0.0005	0.0122	TJP2	tight junction protein 2
11756631_s_at	1.4	3.86	-5.51	0.0005	0.0124	TXNDC15	thioredoxin domain containing 15
11759759_s_at	1.33	3.26	-3.8	0.0006	0.0126	CCNL1	cyclin L1
11758711_x_at	2.5	8.79	-78.4	0.0006	0.0126	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta
11740986_a_at	2.09	5.7	-12.17	0.0006	0.0127	CD99L2	CD99 molecule-like 2
11757421_x_at	5.44	8.67	-9.39	0.0006	0.0127	RPL31	ribosomal protein L31
11729516_a_at	1.81	3.55	-3.34	0.0006	0.0129	ZNF644	zinc finger protein 644
11723448_x_at	2.62	4.16	-2.9	0.0006	0.0129	MALL	mal, T-cell differentiation protein-like
11758699_x_at	1.81	3.73	-3.79	0.0006	0.0129	FAM25BP; FAM25C; FAM25G	protein FAM25; family with sequence similarity 25, member C; family with sequence similarity 25, member G
11757673_x_at	2.99	8.16	-36.08	0.0006	0.013	RPL39	ribosomal protein L39
11757384_x_at	2.39	3.88	-2.8	0.0006	0.0131	UROD	uroporphyrinogen decarboxylase
11746399_x_at	2.62	3.98	-2.55	0.0006	0.0132	PIGT	phosphatidylinositol glycan anchor biosynthesis class T
11729101_a_at	2.07	4.98	-7.47	0.0006	0.0132	AKR1C2	aldo-keto reductase family 1, member C2

11718989_s_at	2.87	4.01	-2.2	0.0006	0.0133	OS9	osteosarcoma amplified 9, endoplasmic reticulum lectin
11760454_x_at	3.23	4.52	-2.45	0.0006	0.0134	CASZ1	castor zinc finger 1
11758167_s_at	1.81	4.01	-4.58	0.0006	0.0134	PHTF2	putative homeodomain transcription factor 2
11723633_s_at	1.61	3.67	-4.17	0.0006	0.0135	IRF2BPL	interferon regulatory factor 2 binding protein-like
11746993_a_at	5.8	6.83	-2.04	0.0006	0.0135	PRSS8	protease, serine, 8
11758341_x_at	3.14	8.82	-51.33	0.0006	0.0135	RPL37A	ribosomal protein L37a
11755605_s_at	2.13	6.6	-22.16	0.0007	0.0136	MALAT1	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)
11715395_a_at	1.57	7.22	-49.89	0.0007	0.014	BLOC1S5-TXNDC5; TXNDC5	BLOC1S5-TXNDC5 readthrough (NMD candidate); thioredoxin domain containing 5 (endoplasmic reticulum)
11755663_s_at	2.12	3.78	-3.17	0.0007	0.014	FOXO3; FOXO3B	forkhead box O3; forkhead box O3B pseudogene
11715927_x_at	3.16	4.38	-2.34	0.0007	0.014	SH3GL1	SH3-domain GRB2-like 1
11757003_x_at	2.29	5.53	-9.46	0.0007	0.0141	RPL6	ribosomal protein L6
11758230_s_at	2	3.05	-2.07	0.0007	0.0141	NFIA	nuclear factor I/A
AFFX-hum_alu_at	12.08	13.26	-2.26	0.0007	0.0141		
11762921_at	6.33	8.93	-6.04	0.0007	0.0141	COX3	cytochrome c oxidase III
11757499_s_at	3.27	4.51	-2.37	0.0007	0.0142	WBP1L	WW domain binding protein 1-like
11734923_a_at	2.99	4.04	-2.07	0.0007	0.0143	ATHL1	ATH1, acid trehalase-like 1 (yeast)
11716110_s_at	1.58	3.16	-3	0.0007	0.0144	PIGR	polymeric immunoglobulin receptor
11720309_s_at	3.64	6.5	-7.24	0.0007	0.0144	SERP1	stress-associated endoplasmic reticulum protein 1
11716710_a_at	2.47	4.06	-3.01	0.0007	0.0144	ADM	adrenomedullin
11757038_x_at	2.13	4.69	-5.89	0.0007	0.0146	H3F3B	H3 histone, family 3B (H3.3B)
11719330_s_at	3.45	4.65	-2.29	0.0008	0.0146	FNDC4	fibronectin type III domain containing 4
11757629_x_at	3.57	10.14	-94.83	0.0008	0.0149	RPS29	ribosomal protein S29
11726515_a_at	1.83	5.11	-9.73	0.0008	0.0149	CLK4	CDC like kinase 4
11758557_s_at	3.36	8.87	-45.54	0.0008	0.0149	ZFP36L1	ZFP36 ring finger protein-like 1
200095_PM_x_at	4.91	7.92	-8.02	0.0008	0.0149	RPS10	ribosomal protein S10

11738203_x_at	3.34	4.54	-2.31	0.0008	0.0149	IMPDH1	IMP (inosine 5'-monophosphate) dehydrogenase 1
11755974_s_at	6.19	7.89	-3.25	0.0008	0.0151	TUBB4B	tubulin, beta 4B class IVb
11757021_x_at	1.52	3.26	-3.35	0.0008	0.0151	RPS24	ribosomal protein S24
11752869_s_at	1.99	6.05	-16.61	0.0008	0.0151	CEBPD	CCAAT/enhancer binding protein (C/EBP), delta
11718347_a_at	2.68	3.9	-2.33	0.0008	0.0151	S100P	S100 calcium binding protein P
11754963_a_at	1.43	3.76	-5.02	0.0008	0.0152	SPINK5	serine peptidase inhibitor, Kazal type 5
11758098_x_at	2.56	8.33	-54.59	0.0008	0.0152	TPT1	tumor protein, translationally-controlled 1
11742148_at	3.45	4.66	-2.32	0.0008	0.0155	KRTAP10-10	keratin associated protein 10-10
11724568_a_at	2.09	4.18	-4.24	0.0009	0.0156	USP48	ubiquitin specific peptidase 48
11732223_x_at	2.79	4.12	-2.5	0.0009	0.0159	ZP3	zona pellucida glycoprotein 3 (sperm receptor)
11715967_a_at	5.39	7.73	-5.06	0.0009	0.016	NEDD8	neural precursor cell expressed, developmentally down-regulated 8
11732278_at	2.34	5.79	-10.94	0.0009	0.0163	FOXP1	forkhead box P1
11755880_a_at	2.53	3.97	-2.71	0.0009	0.0165	SNX33	sorting nexin 33
11744327_x_at	2.5	5.81	-9.91	0.001	0.0167	UBB	ubiquitin B
11716750_a_at	3.17	5.32	-4.43	0.001	0.0169	CD99L2	CD99 molecule-like 2
11747032_a_at	3.66	4.86	-2.29	0.001	0.0169	SLC52A3	solute carrier family 52 (riboflavin transporter), member 3
11717507_at	2.57	3.62	-2.07	0.001	0.0172	TRAM2	translocation associated membrane protein 2
11756129_a_at	1.59	3.59	-4	0.001	0.0172	GSK3A	glycogen synthase kinase 3 alpha
11716354_a_at	4.3	5.48	-2.26	0.001	0.0172	NDUFA11	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11, 14.7kDa
11757633_x_at	3.55	9.67	-69.39	0.0011	0.0177	FTH1	ferritin, heavy polypeptide 1
11762922_s_at	7.04	9.73	-6.42	0.0011	0.0178	COX3; MYBPC3; SLC12A1	cytochrome c oxidase III; myosin binding protein C, cardiac; solute carrier family 12 (sodium/potassium/chloride transporter), member 1
11732881_s_at	1.6	2.84	-2.36	0.0011	0.0178	TBX1	T-box 1
11763478_x_at	2.3	4.02	-3.28	0.0011	0.0179	PIF1	PIF1 5'-to-3' DNA helicase
11754334_s_at	3.89	4.97	-2.11	0.0011	0.018	EGR1	early growth response 1
11736745_a_at	2.62	3.95	-2.52	0.0011	0.0181	ZBTB20	zinc finger and BTB domain containing 20

11719414_a_at	2.21	3.85	-3.11	0.0012	0.0185	PBX1	pre-B-cell leukemia homeobox 1
11755612_s_at	2.78	3.88	-2.13	0.0012	0.0186	SNRPA1	small nuclear ribonucleoprotein polypeptide A'
11724373_a_at	2.3	6.02	-13.2	0.0012	0.0188	GSK3A	glycogen synthase kinase 3 alpha
11758011_x_at	3.52	10.26	-106.52	0.0012	0.0189	EEF1A1	eukaryotic translation elongation factor 1 alpha 1
11754601_s_at	3.62	5.49	-3.65	0.0013	0.0194	SPON2	spondin 2, extracellular matrix protein
11733254_a_at	4.11	5.99	-3.66	0.0013	0.0196	FXYD3	FXYD domain containing ion transport regulator 3
11754235_a_at	1.5	5.67	-18.01	0.0013	0.0198	PTPRF	protein tyrosine phosphatase, receptor type, F
11715966_s_at	3.88	5.07	-2.28	0.0013	0.0198	ABHD17A	abhydrolase domain containing 17A
11757489_x_at	1.95	5.4	-10.92	0.0013	0.0198	RPL22	ribosomal protein L22
11747721_s_at	2.6	3.75	-2.23	0.0013	0.02	CXorf40A; CXorf40B	chromosome X open reading frame 40A; chromosome X open reading frame 40B
11715422_a_at	4.15	6.28	-4.4	0.0014	0.0202	BCAP31	B-cell receptor-associated protein 31
11720945_x_at	1.27	2.58	-2.48	0.0014	0.0203	SNRPA1	small nuclear ribonucleoprotein polypeptide A'
11757056_x_at	3.85	6.68	-7.08	0.0014	0.0204	LOC728026; PTMA	prothymosin alpha-like; prothymosin, alpha
11759346_a_at	3.34	4.88	-2.91	0.0014	0.0205	MAML2	mastermind-like transcriptional coactivator 2
11723089_s_at	1.62	4.79	-9	0.0014	0.0207	CXorf40A; CXorf40B	chromosome X open reading frame 40A; chromosome X open reading frame 40B
200007_PM_at	2.57	3.71	-2.2	0.0015	0.0208	SRP14	signal recognition particle 14kDa
11716515_x_at	3.85	6.28	-5.4	0.0015	0.0209	ADD1	adducin 1 (alpha)
11752792_a_at	1.6	3.6	-4	0.0015	0.0209	TACC1	transforming, acidic coiled-coil containing protein 1
11725507_a_at	2.77	3.77	-2	0.0015	0.0209	SPTBN2	spectrin, beta, non-erythrocytic 2
200025_PM_s_at	2.04	6.05	-16.18	0.0015	0.0212	RPL27	ribosomal protein L27
11757339_x_at	2.51	3.64	-2.2	0.0016	0.0218	NR1H2	nuclear receptor subfamily 1, group H, member 2
11723194_x_at	1.92	2.98	-2.09	0.0016	0.022	HLA-DRB1; HLA-DRB3; HLA-DRB4; HLA-DRB5; LOC105369	major histocompatibility complex, class II, DR beta 1; major histocompatibility complex, class II, DR beta 3; major histocompatibility complex, class II, DR beta 4; major histocompatibility complex, class II, DR beta 5; HLA class II histocompatibility antigen, DRB1-7 beta chain

						230	
11752661_a_at	2.59	3.74	-2.21	0.0016	0.022	MKS1	Meckel syndrome, type 1
11764256_s_at	6.06	8.7	-6.24	0.0016	0.0221	ND4	NADH dehydrogenase, subunit 4 (complex I)
11721625_s_at	1.62	6.35	-26.52	0.0016	0.0222	GLUL	glutamate-ammonia ligase
11756618_x_at	3.57	4.82	-2.38	0.0016	0.0222	TAPBP	TAP binding protein (tapasin)
11716414_a_at	3.42	4.9	-2.8	0.0017	0.0225	NDUFB8	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa
11761515_s_at	5.4	7.01	-3.05	0.0017	0.0226	ND1	NADH dehydrogenase, subunit 1 (complex I)
11757529_s_at	4.62	6.65	-4.09	0.0017	0.023	LAMP1	lysosomal-associated membrane protein 1
11724992_x_at	2.83	4.12	-2.45	0.0017	0.023	GTPBP3	GTP binding protein 3 (mitochondrial)
11762992_at	6.25	8.12	-3.67	0.0018	0.0232	ATP6; COX1	ATP synthase F0 subunit 6; cytochrome c oxidase subunit I
11753330_x_at	2.5	4.71	-4.6	0.0018	0.0236	NAP1L1	nucleosome assembly protein 1-like 1
11725431_at	3.7	5.17	-2.77	0.0018	0.0238	PBX2	pre-B-cell leukemia homeobox 2
11742482_a_at	4.68	5.91	-2.36	0.0019	0.0239	ARPC4	actin related protein 2/3 complex subunit 4
200061_PM_s_at	2.27	4.24	-3.92	0.0019	0.024	RPS24	ribosomal protein S24
11758235_s_at	2.43	3.5	-2.1	0.0019	0.024	SRRM1	serine/arginine repetitive matrix 1
11762525_s_at	6.4	8.31	-3.76	0.0019	0.0242		
11755834_x_at	1.87	4.63	-6.78	0.002	0.0248	CAST	calpastatin
11754644_x_at	3.08	4.36	-2.42	0.002	0.0248	CNN2	calponin 2
11736097_a_at	2.94	3.95	-2.01	0.002	0.0248	GGA1	golgi-associated, gamma adaptin ear containing, ARF binding protein 1
11729417_at	2.54	1.42	2.18	0.0021	0.0253	KRT24	keratin 24, type I
11717070_x_at	2.63	3.7	-2.1	0.0021	0.0254	KTN1	kinectin 1 (kinesin receptor)
11716369_x_at	2.84	6.79	-15.46	0.0021	0.0255	SUMO2	small ubiquitin-like modifier 2
11732128_s_at	2.1	3.56	-2.76	0.0022	0.0257	CCT4	chaperonin containing TCP1, subunit 4 (delta)
11725608_at	2.96	3.99	-2.05	0.0022	0.0258	RTN4RL1	reticulon 4 receptor-like 1
11758400_s_at	3.17	4.3	-2.18	0.0022	0.0259	IGF2; INS-IGF2	insulin-like growth factor 2; INS-IGF2 readthrough
11757469_s_at	3.19	4.26	-2.1	0.0022	0.026	TPP1	tripeptidyl peptidase I

11751799_a_at	2.51	5.95	-10.86	0.0022	0.026	PRDX6	peroxiredoxin 6
11758423_s_at	5.32	6.79	-2.77	0.0022	0.026	ATP13A5; HARS	ATPase type 13A5; histidyl-tRNA synthetase
11757276_x_at	4.56	8.24	-12.83	0.0022	0.0261	RPL24	ribosomal protein L24
11732126_x_at	2.64	5.42	-6.85	0.0022	0.0261	UBB	ubiquitin B
11727158_a_at	1.66	4.27	-6.12	0.0022	0.0262	STRBP	spermatid perinuclear RNA binding protein
11751069_a_at	3.5	4.6	-2.15	0.0022	0.0263	GLMP	glycosylated lysosomal membrane protein
11756997_x_at	3.27	4.32	-2.08	0.0023	0.0264	LENG8	leukocyte receptor cluster (LRC) member 8
11745071_a_at	2.12	4.62	-5.68	0.0023	0.0265	TCEAL4	transcription elongation factor A (SII)-like 4
11749225_a_at	2.14	3.48	-2.54	0.0023	0.0266	BTN2A2	butyrophilin, subfamily 2, member A2
11742756_s_at	3.39	4.47	-2.11	0.0023	0.0267	GTF2H1	general transcription factor IIH subunit 1
11716858_a_at	1.67	3.68	-4.02	0.0023	0.0268	MRPL51	mitochondrial ribosomal protein L51
11758525_s_at	1.65	3.65	-3.99	0.0023	0.0268	SOX4	SRY box 4
11735184_at	2.63	3.68	-2.08	0.0023	0.0269	EXOSC6	exosome component 6
11721624_s_at	3.11	5.93	-7.08	0.0024	0.027	WSB1	WD repeat and SOCS box containing 1
200021_PM_at	4.86	7.85	-7.91	0.0024	0.027	CFL1	cofilin 1 (non-muscle)
11716744_x_at	2.7	4.15	-2.72	0.0024	0.0271	TJP2	tight junction protein 2
11762923_x_at	6.67	9	-5.01	0.0024	0.0273	COX3; LOC101929 612	cytochrome c oxidase III; uncharacterized LOC101929612
11757376_s_at	2.76	7.42	-25.24	0.0024	0.0274	MAT2A	methionine adenosyltransferase II, alpha
11752041_a_at	3.55	4.66	-2.16	0.0024	0.0274	C2CD2L	C2CD2-like
11727361_a_at	2.18	4.9	-6.59	0.0024	0.0274	MYLK	myosin light chain kinase
11739481_x_at	5.59	9.11	-11.52	0.0024	0.0275	H3F3A; H3F3AP4	H3 histone, family 3A; H3 histone, family 3A, pseudogene 4
11757507_s_at	2.45	7.08	-24.83	0.0024	0.0276	DSP	desmoplakin
11760007_at	4.13	5.24	-2.17	0.0025	0.0279	ROPN1; ROPN1B	rhophilin associated tail protein 1; rhophilin associated tail protein 1B
11758158_s_at	3.94	7.27	-10.06	0.0025	0.0279	FOXP1	forkhead box P1

11745795_s_at	2.72	4.71	-3.96	0.0025	0.0279	DDX5	DEAD (Asp-Glu-Ala-Asp) box helicase 5
11757164_s_at	1.76	3.36	-3.03	0.0026	0.0283	SNORA32; SNORA8; TAF1D	small nucleolar RNA, H/ACA box 32; small nucleolar RNA, H/ACA box 8; TATA box binding protein associated factor 1D
11757514_x_at	4.09	7.11	-8.11	0.0026	0.0284	RPS27	ribosomal protein S27
11758108_s_at	1.37	5.1	-13.2	0.0026	0.0289	EFEMP1	EGF containing fibulin-like extracellular matrix protein 1
11733995_x_at	1.28	2.73	-2.73	0.0027	0.0289	NADK2	NAD kinase 2, mitochondrial
11757858_s_at	1.41	3.88	-5.54	0.0027	0.0291	EIF2S3	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa
11757894_x_at	2.3	4.45	-4.42	0.0028	0.0297	NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
11758598_s_at	3.82	7.06	-9.43	0.0029	0.0307	SERPINE2	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2
11763082_at	2.27	3.88	-3.04	0.0029	0.0307	LSM12	LSM12 homolog
11757069_s_at	2.18	4.29	-4.34	0.0029	0.0307		
11721116_x_at	1.54	3.24	-3.24	0.0029	0.0307	SPCS3	signal peptidase complex subunit 3
11758171_s_at	1.43	6.05	-24.62	0.003	0.0312	KTN1	kinectin 1 (kinesin receptor)
11755778_a_at	2.42	4.09	-3.19	0.0031	0.0318	ROBO4	roundabout guidance receptor 4
11727120_a_at	2.16	3.43	-2.41	0.0031	0.032	MYCBP2	MYC binding protein 2, E3 ubiquitin protein ligase
11720380_a_at	2.94	5.39	-5.44	0.0032	0.0321	IMPDH1	IMP (inosine 5'-monophosphate) dehydrogenase 1
11757525_s_at	2.69	4.06	-2.59	0.0032	0.0322	BICD2	bicaudal D homolog 2 (Drosophila)
11761514_at	4.55	5.73	-2.26	0.0032	0.0325		
11732357_s_at	2.34	4.12	-3.42	0.0033	0.0326	ZNRF1	zinc and ring finger 1, E3 ubiquitin protein ligase
11744222_a_at	1.72	2.91	-2.28	0.0033	0.0326	ATP5D	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, delta subunit
11756169_x_at	5.57	7.86	-4.89	0.0033	0.0326	OAZ1	ornithine decarboxylase antizyme 1
11716512_a_at	3	4.81	-3.51	0.0033	0.0327	SRRM2	serine/arginine repetitive matrix 2
11744208_a_at	5.19	6.34	-2.23	0.0033	0.0328	MRPL28	mitochondrial ribosomal protein L28
11727162_x_at	2.81	4.5	-3.24	0.0033	0.0329	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)
11757272_a_at	3.67	4.77	-2.15	0.0034	0.0333	JTB	jumping translocation breakpoint

11754454_s_at	4.06	6.46	-5.26	0.0034	0.0334	RAB13	RAB13, member RAS oncogene family
11746656_x_at	2.26	3.4	-2.2	0.0034	0.0335	ACAA1	acetyl-CoA acyltransferase 1
11715476_s_at	2.79	5.72	-7.58	0.0034	0.0335	DDX17	DEAD (Asp-Glu-Ala-Asp) box helicase 17
11763550_x_at	3.14	6.1	-7.78	0.0034	0.0335	IGK; IGKC; IGKV1-5; IGKV2-24	immunoglobulin kappa locus; immunoglobulin kappa constant; immunoglobulin kappa variable 1-5; immunoglobulin kappa variable 2-24
11759204_a_at	3.09	4.16	-2.1	0.0035	0.0336	SLC2A14	solute carrier family 2 (facilitated glucose transporter), member 14
200088_PM_x_at	1.77	5.05	-9.72	0.0035	0.0337	RPL12	ribosomal protein L12
11751613_x_at	1.47	3.59	-4.35	0.0035	0.0338	C20orf24	chromosome 20 open reading frame 24
11738623_s_at	3.83	5.58	-3.38	0.0035	0.0339	ZNF268	zinc finger protein 268
11745479_a_at	4.24	2.65	3.02	0.0035	0.034	GLYCTK	glycerate kinase
11736547_a_at	4.28	5.69	-2.65	0.0036	0.0343	FANCD2	Fanconi anemia complementation group D2
11748869_a_at	2.62	3.73	-2.15	0.0036	0.0344	CLN3	ceroid-lipofuscinosis, neuronal 3
11717235_s_at	2.4	3.8	-2.65	0.0036	0.0344	RPS7; RPS7P1	ribosomal protein S7; ribosomal protein S7 pseudogene 1
11728129_s_at	1.85	3.15	-2.46	0.0037	0.0348	APTX	aprataxin
11729468_a_at	3.34	4.36	-2.03	0.0037	0.0351	BZRAP1	benzodiazepine receptor (peripheral) associated protein 1
11722167_s_at	1.81	6.97	-35.77	0.0037	0.0351	CTNNB1	catenin (cadherin-associated protein), beta 1
11730935_a_at	3.54	4.66	-2.17	0.0038	0.0353	AKNA	AT-hook transcription factor
11743392_a_at	1.67	2.83	-2.23	0.0038	0.0354	MATR3	matrin 3
11745551_a_at	2.38	4.51	-4.36	0.0038	0.0355	KLHDC3	kelch domain containing 3
11742888_s_at	7	4.58	5.34	0.0038	0.0355	GCSH; LOC729080	glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
11763275_x_at	2.85	4.31	-2.74	0.004	0.0363	ITSN2	intersectin 2
11757181_x_at	3	4.06	-2.08	0.004	0.0364	FGFR4	fibroblast growth factor receptor 4
11748035_a_at	3.86	4.92	-2.08	0.004	0.0364	PDLIM7	PDZ and LIM domain 7 (enigma)
AFFX- HUMRGE/M10098_5_at	4.14	5.3	-2.24	0.004	0.0365		
11732449_s_at	3.02	4.41	-2.62	0.004	0.0367	GTF2I;	general transcription factor Iii; general transcription factor Iii

						GTF2IP1; GTF2IP4	pseudogene 1; general transcription factor Iii, pseudogene 4
11743036_s_at	2.59	3.89	-2.47	0.0041	0.0371	SAT1	spermidine/spermine N1-acetyltransferase 1
11718270_s_at	3.46	5.49	-4.08	0.0041	0.0371	HNRNPUL1	heterogeneous nuclear ribonucleoprotein U-like 1
11717111_a_at	2.48	3.57	-2.13	0.0041	0.0371	REPIN1	replication initiator 1
11743135_s_at	2.16	4.2	-4.1	0.0041	0.0371	CEBPD	CCAAT/enhancer binding protein (C/EBP), delta
11764019_s_at	1.95	3.45	-2.83	0.0042	0.0374	NAB1	NGFI-A binding protein 1
11754526_a_at	2.26	3.46	-2.31	0.0043	0.0377	PTGES	prostaglandin E synthase
11733938_x_at	5.16	6.39	-2.35	0.0043	0.0381	LYPLA2	lysophospholipase II
11757881_s_at	1.98	5.82	-14.26	0.0044	0.0383	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha
11721975_s_at	5.57	7.74	-4.5	0.0044	0.0384	TPSAB1; TPSB2	tryptase alpha/beta 1; tryptase beta 2 (gene/pseudogene)
11717935_a_at	2.09	3.09	-2	0.0044	0.0384	ERMP1	endoplasmic reticulum metallopeptidase 1
11757328_x_at	2.92	5.77	-7.2	0.0044	0.0386	RPL27	ribosomal protein L27
11741350_a_at	2.75	5.99	-9.45	0.0044	0.0387	ANXA11	annexin A11
11718595_a_at	2.92	6.42	-11.3	0.0045	0.0389	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed
11755606_x_at	2.2	4.29	-4.26	0.0045	0.0389	IFI30	interferon, gamma-inducible protein 30
11725360_a_at	4.73	6.07	-2.53	0.0045	0.039	SMAD4	SMAD family member 4
11754025_x_at	2.42	5.82	-10.57	0.0045	0.0392	ATP5E	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit
11744180_a_at	1.37	3.28	-3.75	0.0047	0.0398	TCIRG1	T-cell, immune regulator 1, ATPase, H ⁺ transporting, lysosomal V0 subunit A3
11728062_a_at	3.62	4.92	-2.47	0.0047	0.0402	SH3BP1	SH3-domain binding protein 1
11741191_a_at	4.49	5.99	-2.82	0.0048	0.0403	BCAP31	B-cell receptor-associated protein 31
11757428_a_at	3.54	5.97	-5.38	0.0048	0.0405	SF3B5	splicing factor 3b subunit 5
200063_PM_s_at	3.56	5.41	-3.6	0.0049	0.041	NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)
11734210_at	2.3	5.14	-7.17	0.0049	0.0411	TMPRSS11 B	transmembrane protease, serine 11B

11716010_s_at	2.3	4.31	-4.05	0.0049	0.0412	DYNC1LI2	dynein, cytoplasmic 1, light intermediate chain 2
11758067_x_at	5.14	7.07	-3.81	0.005	0.0412	PPIA	peptidylprolyl isomerase A (cyclophilin A)
11719590_a_at	2.29	3.6	-2.47	0.005	0.0415	SUGP2	SURP and G-patch domain containing 2
11733900_x_at	4.89	5.9	-2.02	0.0051	0.0417	EPN1	epsin 1
11726680_s_at	3.79	5.97	-4.53	0.0051	0.0418	HNRNPK	heterogeneous nuclear ribonucleoprotein K
11731574_at	1.71	3.08	-2.59	0.0051	0.0419	FRMD4B	FERM domain containing 4B
11754829_s_at	3.6	5.17	-2.98	0.0052	0.0424	PI4KA; PI4KAP1; PI4KAP2	phosphatidylinositol 4-kinase, catalytic, alpha; phosphatidylinositol 4-kinase, catalytic, alpha pseudogene 1; phosphatidylinositol 4-kinase, catalytic, alpha pseudogene 2
11756405_s_at	7.04	4.45	6.02	0.0052	0.0425	GCSH; LOC729080	glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
11715526_s_at	3.15	4.22	-2.1	0.0052	0.0425	ATP6V1G2- DDX39B; DDX39B	ATP6V1G2-DDX39B readthrough (NMD candidate); DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B
11738892_a_at	6.76	4.95	3.51	0.0053	0.0429	TPM1	tropomyosin 1 (alpha)
11715235_x_at	2.06	3.59	-2.89	0.0054	0.0431	UQCRHL	ubiquinol-cytochrome c reductase hinge protein like
11721350_s_at	1.83	6.14	-19.76	0.0054	0.0434	ANAPC11	anaphase promoting complex subunit 11
11745904_a_at	3.99	5.72	-3.32	0.0055	0.0435	UQCC2	ubiquinol-cytochrome c reductase complex assembly factor 2
11719286_s_at	1.63	2.79	-2.24	0.0056	0.044	PEX11B	peroxisomal biogenesis factor 11 beta
11755857_s_at	1.74	5.52	-13.71	0.0056	0.044	RNPS1	RNA binding protein S1, serine-rich domain
11743179_a_at	2.35	3.42	-2.11	0.0057	0.0446	RSF1	remodeling and spacing factor 1
11757889_s_at	3.2	5.71	-5.68	0.0057	0.0448	RPL15	ribosomal protein L15
11715424_x_at	4.79	5.98	-2.27	0.0058	0.0448	BCAP31	B-cell receptor-associated protein 31
11716342_s_at	4.93	6.27	-2.54	0.0058	0.0449	LOC101060 373; LOC102723 728; NOMO1; NOMO2;	uncharacterized LOC101060373; nodal modulator 3-like; NODAL modulator 1; NODAL modulator 2; NODAL modulator 3

						NOMO3	
11753211_x_at	3.54	4.63	-2.13	0.0058	0.0449	DHRS4; DHRS4L1; DHRS4L2	dehydrogenase/reductase (SDR family) member 4; dehydrogenase/reductase (SDR family) member 4 like 1; dehydrogenase/reductase (SDR family) member 4 like 2
11736501_x_at	2.15	4.74	-6.01	0.0058	0.045	SS18	synovial sarcoma translocation, chromosome 18
11725049_s_at	2.94	3.98	-2.06	0.0058	0.0452	ARHGDIA	Rho GDP dissociation inhibitor (GDI) alpha
11717793_a_at	3.92	4.95	-2.04	0.0058	0.0452	ZDHHC3	zinc finger, DHHC-type containing 3
11741103_a_at	2.22	5.81	-12.07	0.0059	0.0454	ANXA11	annexin A11
11715218_s_at	3.85	5.77	-3.78	0.0059	0.0455	FAM127A	family with sequence similarity 127, member A
11757810_s_at	1.36	2.64	-2.42	0.0059	0.0455	TMED10	transmembrane p24 trafficking protein 10
11722130_s_at	1.78	3.97	-4.56	0.0059	0.0455	ECHDC2	enoyl-CoA hydratase domain containing 2
11758771_at	4.38	5.42	-2.06	0.0059	0.0455	HLA-DPB1	major histocompatibility complex, class II, DP beta 1
11736160_at	1.68	4.72	-8.23	0.0059	0.0455	GBP6	guanylate binding protein family, member 6
11757424_x_at	1.69	5.72	-16.37	0.006	0.0458	RPL37	ribosomal protein L37
11757748_x_at	4.69	7.29	-6.05	0.0062	0.0464	RPL23A	ribosomal protein L23a
11728701_a_at	2.39	3.41	-2.02	0.0062	0.0465	CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
11760800_at	3.36	4.83	-2.76	0.0062	0.0466	SPHK2	sphingosine kinase 2
11724274_s_at	1.89	3.22	-2.53	0.0063	0.0471	PTPRK	protein tyrosine phosphatase, receptor type, K
11743116_s_at	2.94	4.84	-3.74	0.0064	0.0473	KPNB1	karyopherin (importin) beta 1
11715626_a_at	2.86	5.05	-4.56	0.0064	0.0475	RPL11	ribosomal protein L11
11719464_x_at	2.3	4.45	-4.44	0.0064	0.0475	RPS6	ribosomal protein S6
11730912_at	4.13	5.15	-2.04	0.0064	0.0476	NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)
11757061_s_at	6.82	4.29	5.78	0.0065	0.0478	GCSH; LOC729080	glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
11757485_x_at	4.06	5.07	-2.02	0.0065	0.048	FAM129B	family with sequence similarity 129, member B
200016_PM_x_at	4.72	6.74	-4.06	0.0066	0.0483	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1
11732450_s_at	4.05	6.9	-7.24	0.0066	0.0483	AGRN	agrin
200077_PM_s_at	3.55	4.99	-2.71	0.0066	0.0483	OAZ1	ornithine decarboxylase antizyme 1

11731735_s_at	6.82	5.46	2.57	0.0066	0.0483	VCX2	variable charge, X-linked 2
11753638_s_at	6.82	5.46	2.57	0.0066	0.0483	VCX2	variable charge, X-linked 2
11728646_at	2.74	4.5	-3.38	0.0067	0.0485	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1
11717327_at	3.81	4.95	-2.19	0.0067	0.0486	KLF9	Kruppel-like factor 9
11754863_s_at	3.13	4.17	-2.04	0.0067	0.0486	VPS37C	vacuolar protein sorting 37 homolog C (S. cerevisiae)
11733807_a_at	2.15	3.93	-3.44	0.0068	0.0488	KARS	lysyl-tRNA synthetase
11758638_s_at	1.34	3.31	-3.92	0.0068	0.049	MKL2	MKL/myocardin-like 2
11734211_at	1.47	4.27	-6.94	0.0068	0.049	TMPRSS11 B	transmembrane protease, serine 11B
11758277_x_at	3.68	6.6	-7.55	0.0068	0.0491	NBPF11; NBPF12; NBPF15; NBPF19; NBPF20; NBPF26; NBPF8; NBPF9	neuroblastoma breakpoint family, member 11; neuroblastoma breakpoint family, member 12; neuroblastoma breakpoint family, member 15; neuroblastoma breakpoint family, member 19; neuroblastoma breakpoint family, member 20; neuroblastoma breakpoint family, member 26; neuroblastoma breakpoint family, member 8; neuroblastoma breakpoint family, member 9
11748400_s_at	3.02	5.08	-4.16	0.0069	0.0491	TPM4	tropomyosin 4
11731652_a_at	1.49	6.01	-22.9	0.0069	0.0492	C20orf24; TGIF2- C20orf24	chromosome 20 open reading frame 24; TGIF2-C20orf24 readthrough
11757080_s_at	3.98	9.49	-45.41	0.0069	0.0492	RPS29	ribosomal protein S29
11717148_s_at	3.66	4.68	-2.02	0.0069	0.0493	C11orf31	chromosome 11 open reading frame 31
11745937_a_at	4.11	5.22	-2.16	0.0069	0.0493	TCF3	transcription factor 3
11740744_x_at	1.55	2.69	-2.21	0.0069	0.0495	TPM2	tropomyosin 2 (beta)
11715483_s_at	3.56	5.12	-2.96	0.0071	0.0501	MCL1	myeloid cell leukemia 1
11745819_a_at	1.43	5.31	-14.75	0.0071	0.0504	H1F0	H1 histone family, member 0
11727433_s_at	2.04	5.57	-11.48	0.0072	0.0506	NUTF2	nuclear transport factor 2
11715413_s_at	1.51	2.95	-2.72	0.0072	0.0506	TSC22D1	TSC22 domain family, member 1

11756215_x_at	2.27	4.35	-4.24	0.0073	0.051	UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1
11728723_x_at	2.6	4.54	-3.84	0.0074	0.0513	VPS29	VPS29 retromer complex component
11752577_at	2.96	5.04	-4.22	0.0074	0.0513	FTH1	ferritin, heavy polypeptide 1
11727049_s_at	2.11	3.24	-2.19	0.0074	0.0513	PPP6C	protein phosphatase 6, catalytic subunit
11741720_s_at	2.21	4.5	-4.91	0.0074	0.0514	ADAR	adenosine deaminase, RNA-specific
11729413_a_at	4.54	8.71	-18.01	0.0074	0.0514	LRRC8A	leucine rich repeat containing 8 family, member A
11718843_s_at	1.55	6.12	-23.74	0.0075	0.0516	DNAJC25- GNG10; GNG10	DNAJC25-GNG10 readthrough; guanine nucleotide binding protein (G protein), gamma 10
11733009_s_at	1.38	5	-12.29	0.0075	0.0518	LUC7L3	LUC7-like 3 pre-mRNA splicing factor
200080_PM_s_at	3.6	8.01	-21.23	0.0077	0.0523	H3F3A; H3F3AP4	H3 histone, family 3A; H3 histone, family 3A, pseudogene 4
11728662_s_at	1.22	5.05	-14.21	0.0077	0.0523	GABARAP L2	GABA(A) receptor-associated protein like 2
11724398_a_at	2.94	5.45	-5.73	0.0077	0.0525	RHCG	Rh family, C glycoprotein
11716247_s_at	1.54	6.64	-34.34	0.0077	0.0525	TOP2B	topoisomerase (DNA) II beta
11757316_a_at	4.24	5.35	-2.16	0.0078	0.0528	FLOT1	flotillin 1
11718592_s_at	1.82	8.13	-79.52	0.008	0.0533	RTN4	reticulon 4
11747409_s_at	3.6	4.7	-2.14	0.0082	0.0542	ARHGDIA	Rho GDP dissociation inhibitor (GDI) alpha
11716234_s_at	1.78	2.8	-2.04	0.0082	0.0543	CTNNBIP1	catenin, beta interacting protein 1
11724136_s_at	1.58	4.54	-7.79	0.0083	0.0548	ZBTB4	zinc finger and BTB domain containing 4
11728763_x_at	2.18	3.29	-2.15	0.0084	0.0549	GAL3ST4	galactose-3-O-sulfotransferase 4
11722715_at	1.81	4.49	-6.38	0.0084	0.055	STK35	serine/threonine kinase 35
11758663_s_at	2.53	4.71	-4.52	0.0084	0.0551	MATR3	matrin 3
11748323_x_at	3.97	4.98	-2.02	0.0085	0.0552	FCRLA	Fc receptor-like A
11730911_at	2.9	6.07	-8.99	0.0085	0.0553	SPRR1A	small proline-rich protein 1A
200026_PM_at	2.4	3.95	-2.92	0.0085	0.0553	RPL34	ribosomal protein L34
11753915_a_at	2.26	6.36	-17.08	0.0086	0.0555	SEL1L3	sel-1 suppressor of lin-12-like 3 (C. elegans)
11729581_x_at	2.35	5.15	-6.99	0.0086	0.0557	PPDPF	pancreatic progenitor cell differentiation and proliferation factor

11736002_s_at	1.41	6.59	-36.24	0.0086	0.0558	DCN	decorin
11742694_s_at	1.91	2.95	-2.05	0.0087	0.0559	WAC	WW domain containing adaptor with coiled-coil
11746041_a_at	1.91	5.68	-13.59	0.0087	0.0559	TRA2B	transformer 2 beta homolog (Drosophila)
11756443_x_at	1.75	2.87	-2.17	0.0088	0.0563	PROM2	prominin 2
11744836_x_at	3.86	5.18	-2.5	0.0088	0.0564	RPL35	ribosomal protein L35
11744366_a_at	1.92	4.36	-5.43	0.0089	0.0569	ZFAS1	ZNFX1 antisense RNA 1
11755910_a_at	1.75	3.11	-2.57	0.0091	0.0574	UBXN7	UBX domain protein 7
11728453_a_at	2.11	6.22	-17.23	0.0091	0.0575	DOCK9	dedicator of cytokinesis 9
11715385_s_at	3.1	5.91	-7	0.0092	0.0581	C4orf46; TOMM7	chromosome 4 open reading frame 46; translocase of outer mitochondrial membrane 7 homolog (yeast)
11715917_a_at	2.78	5.76	-7.85	0.0092	0.0581	CD44	CD44 molecule (Indian blood group)
200019_PM_s_at	1.97	3.42	-2.73	0.0093	0.0583	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed
11742732_s_at	1.17	3.56	-5.23	0.0093	0.0584	MORF4L1	mortality factor 4 like 1
11750981_a_at	3.16	4.46	-2.46	0.0094	0.0586	SHKBP1	SH3KBP1 binding protein 1
11757375_x_at	1.82	4.78	-7.79	0.0094	0.0586	RPS15	ribosomal protein S15
11744399_a_at	1.82	3.9	-4.22	0.0094	0.0586	MYEOV2	myeloma overexpressed 2
11723032_a_at	3.56	4.66	-2.15	0.0094	0.0587	PLP2	proteolipid protein 2 (colonic epithelium-enriched)
11718610_at	1.43	3.1	-3.17	0.0096	0.0594	TP53INP1	tumor protein p53 inducible nuclear protein 1
11758282_s_at	3.76	8.06	-19.74	0.0096	0.0594	TUBA1C	tubulin, alpha 1c
11758622_s_at	4.53	5.53	-2	0.0096	0.0594	MXRA7	matrix-remodelling associated 7
11731478_x_at	2.23	3.29	-2.08	0.0096	0.0595	CHMP1B	charged multivesicular body protein 1B
11722352_s_at	1.74	4.08	-5.07	0.0098	0.0599	ACTA2	actin, alpha 2, smooth muscle, aorta
11723597_at	4.27	7.13	-7.25	0.01	0.0609	MAP2K7	mitogen-activated protein kinase kinase 7
11737145_s_at	2.66	4.9	-4.72	0.0101	0.0613	SH3YL1	SH3 and SYLF domain containing 1
11760376_a_at	2.79	4.2	-2.67	0.0101	0.0614	DNAJB14	DnaJ (Hsp40) homolog, subfamily B, member 14
11727314_a_at	1.65	3.78	-4.38	0.0102	0.0617	ABCC5	ATP binding cassette subfamily C member 5
11757782_s_at	4.42	3.4	2.03	0.0102	0.0618	RPL15; RPL15P3	ribosomal protein L15; ribosomal protein L15 pseudogene 3

11727362_x_at	2.68	4.22	-2.91	0.0102	0.0618	TUBA1A	tubulin, alpha 1a
11725954_x_at	4.48	5.57	-2.13	0.0102	0.0618	RNF10	ring finger protein 10
11743397_s_at	1.55	5.8	-19	0.0103	0.0618	CSDE1	cold shock domain containing E1, RNA binding
11728658_s_at	2.97	7.28	-19.75	0.0104	0.0623	RPL22	ribosomal protein L22
11758667_x_at	1.98	5.91	-15.18	0.0105	0.0629	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta
11740615_a_at	3.94	6.21	-4.8	0.0106	0.0632	KANSL1	KAT8 regulatory NSL complex subunit 1
11740237_a_at	4.22	5.28	-2.08	0.0107	0.0633	KAT6A	K(lysine) acetyltransferase 6A
11752384_s_at	1.89	6.52	-24.93	0.0108	0.0637	COL6A1	collagen, type VI, alpha 1
11757274_s_at	2.96	5.5	-5.81	0.0108	0.0637	ARGLU1	arginine and glutamate rich 1
11763101_x_at	3.68	5.03	-2.54	0.0108	0.0639	NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa
11743931_x_at	3.79	5.07	-2.43	0.0108	0.0639	ERP29	endoplasmic reticulum protein 29
11746002_a_at	1.6	6.07	-22.25	0.0108	0.0639	CASP4	caspase 4
11753927_x_at	3.28	7.37	-17.04	0.0109	0.0641	FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed
11716319_at	2.76	4.23	-2.76	0.0111	0.0648	IGBP1	immunoglobulin (CD79A) binding protein 1
11718720_a_at	1.68	3.63	-3.86	0.0112	0.065	BRD8	bromodomain containing 8
11725371_s_at	1.8	5.76	-15.58	0.0112	0.0651	VEGFA	vascular endothelial growth factor A
11742138_a_at	2.34	6.76	-21.34	0.0112	0.0651	UBE2E3	ubiquitin-conjugating enzyme E2E 3
11733347_a_at	2.91	5.57	-6.32	0.0114	0.0657	CNOT7	CCR4-NOT transcription complex subunit 7
11757477_s_at	2.96	4.5	-2.91	0.0114	0.0657	LASP1	LIM and SH3 protein 1
11757659_x_at	2.39	3.65	-2.38	0.0115	0.066	RPL12	ribosomal protein L12
11715932_s_at	2.14	4.36	-4.69	0.0115	0.0661	TUBB6	tubulin, beta 6 class V
11733690_s_at	1.78	4.58	-6.99	0.0116	0.0665	SEC11A	SEC11 homolog A, signal peptidase complex subunit
11742666_s_at	8.25	11.85	-12.15	0.0123	0.0686	RPS28	ribosomal protein S28
11752195_s_at	2.59	4.76	-4.48	0.0125	0.0692	TAX1BP1	Tax1 (human T-cell leukemia virus type I) binding protein 1
11739615_at	3.43	4.46	-2.04	0.0126	0.0696	CD3EAP	CD3e molecule, epsilon associated protein
11744357_a_at	1.51	2.58	-2.1	0.0127	0.07	TACC1	transforming, acidic coiled-coil containing protein 1
11754340_a_at	2.26	5.88	-12.36	0.0128	0.0701	ELAC2	elaC ribonuclease Z 2

11756484_a_at	1.64	3.06	-2.67	0.0128	0.0701	UVSSA	UV stimulated scaffold protein A
200092_PM_s_at	2.92	7.75	-28.49	0.0129	0.0705	RPL37	ribosomal protein L37
11737234_s_at	1.71	2.83	-2.16	0.0129	0.0706	USP6	ubiquitin specific peptidase 6
11719819_s_at	2.15	3.2	-2.08	0.013	0.0709	EMC10	ER membrane protein complex subunit 10
11729119_a_at	1.72	3.19	-2.77	0.0131	0.071	HSPA1A; HSPA1B	heat shock 70kDa protein 1A; heat shock 70kDa protein 1B
11764006_a_at	1.96	5.36	-10.56	0.0131	0.071	TXNL1	thioredoxin-like 1
11749473_a_at	2.35	3.52	-2.24	0.0132	0.0714	MEF2D	myocyte enhancer factor 2D
11745483_s_at	2.53	4.26	-3.33	0.0132	0.0715	BECN1	beclin 1, autophagy related
11724428_a_at	3.33	4.5	-2.25	0.0133	0.0716	ZNF337	zinc finger protein 337
11721466_s_at	2.05	6.46	-21.23	0.0134	0.072	COX7A2	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)
11761031_x_at	4.16	5.91	-3.35	0.0134	0.0722	RPS28	ribosomal protein S28
11744492_x_at	1.33	3.23	-3.74	0.0135	0.0723	SRSF5	serine/arginine-rich splicing factor 5
11758358_x_at	4.96	6.18	-2.33	0.0136	0.0726	C4orf32; HELLPAR; HERC2P4; HERC2P5; HERC2P8; LOC100422 737; PLEKHA1; SHISA9; SLC9A4	chromosome 4 open reading frame 32; HELLP associated long non-coding RNA; hect domain and RLD 2 pseudogene 4; hect domain and RLD 2 pseudogene 5; hect domain and RLD 2 pseudogene 8; uncharacterized LOC100422737; pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1; shisa family member 9; solute carrier family 9, subfamily A (NHE4, cation proton antiporter 4), member 4
11752510_x_at	3.87	4.97	-2.15	0.0136	0.0728	PSAP	prosaposin
11715691_s_at	1.64	2.84	-2.3	0.0137	0.0728	ZFP36	ZFP36 ring finger protein
11758260_x_at	2.2	7.15	-30.88	0.0137	0.0731	B2M	beta-2-microglobulin
11755205_a_at	1.3	2.73	-2.69	0.0138	0.0734	HSPH1	heat shock 105kDa/110kDa protein 1
11730173_at	1.51	4.1	-6.02	0.014	0.074	C4orf3	chromosome 4 open reading frame 3
11748563_s_at	3.13	5.88	-6.72	0.0141	0.0741	REEP5	receptor accessory protein 5

11750190_x_at	1.19	2.87	-3.21	0.0141	0.0741	CD44	CD44 molecule (Indian blood group)
11716946_s_at	1.94	3.4	-2.76	0.0146	0.0758	TM9SF3	transmembrane 9 superfamily member 3
11757491_x_at	1.83	4.52	-6.49	0.0148	0.0763	ROMO1	reactive oxygen species modulator 1
11724239_at	1.57	4.48	-7.52	0.015	0.077	TCF4	transcription factor 4
11757806_x_at	3.47	4.87	-2.63	0.0154	0.0783	PRDX6	peroxiredoxin 6
11739787_a_at	5.94	9.04	-8.58	0.0155	0.0787	IGF2; INS-IGF2	insulin-like growth factor 2; INS-IGF2 readthrough
11715507_s_at	2	3.05	-2.06	0.0156	0.0789	MAGED1	MAGE family member D1
11758633_s_at	1.27	4.03	-6.76	0.0157	0.0791	PDCD5	programmed cell death 5
11730888_a_at	1.74	5.42	-12.81	0.0159	0.0798	USF2	upstream transcription factor 2, c-fos interacting
11715583_s_at	3.69	5.06	-2.59	0.0161	0.0804	HLA-DPA1	major histocompatibility complex, class II, DP alpha 1
11732741_a_at	2.46	3.69	-2.34	0.0162	0.0805	PAK3	p21 protein (Cdc42/Rac)-activated kinase 3
11744484_s_at	2.93	8.11	-36.23	0.0164	0.0811	HLA-DRA	major histocompatibility complex, class II, DR alpha
11758587_x_at	2.95	5.45	-5.64	0.0164	0.0814	RPL5	ribosomal protein L5
11745765_x_at	1.94	3.23	-2.45	0.0165	0.0816	TCF4	transcription factor 4
11722790_s_at	1.57	3.1	-2.89	0.0166	0.0819	RAB5A	RAB5A, member RAS oncogene family
11756147_s_at	1.85	3.52	-3.19	0.0167	0.0821	TMED2	transmembrane p24 trafficking protein 2
11752153_a_at	3.8	5.53	-3.33	0.0172	0.0836	NBEAL2	neurobeachin like 2
11718246_a_at	3.04	5.9	-7.29	0.0174	0.084	SPIDR	scaffolding protein involved in DNA repair
11720754_x_at	1.89	2.93	-2.06	0.0175	0.0843	ACTB	actin, beta
11716238_at	2.32	3.4	-2.11	0.0175	0.0844	ARHGAP1	Rho GTPase activating protein 1
11720341_at	2.96	1.42	2.91	0.0177	0.085	NDUFA13	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13
11718045_s_at	2.84	6.66	-14.11	0.0179	0.0856	RAB11B	RAB11B, member RAS oncogene family
11754933_s_at	1.55	3.21	-3.16	0.0182	0.0864	TSC22D2	TSC22 domain family, member 2
11716334_a_at	2.11	5.91	-13.96	0.0182	0.0864	RBX1	ring-box 1, E3 ubiquitin protein ligase
11721242_s_at	1.59	4.98	-10.5	0.0183	0.0868	FDFT1	farnesyl-diphosphate farnesyltransferase 1
11748509_s_at	3.46	5.69	-4.66	0.0183	0.0868	VDAC2	voltage-dependent anion channel 2
11753288_a_at	1.79	3.26	-2.78	0.0185	0.0873	ZNF148	zinc finger protein 148
11752256_a_at	1.82	3.02	-2.3	0.0186	0.0876	RBM15B	RNA binding motif protein 15B

11730265_x_at	3.58	4.61	-2.04	0.0187	0.0878	CCDC69	coiled-coil domain containing 69
11758649_s_at	1.65	3.09	-2.71	0.0188	0.0879	FBXW11	F-box and WD repeat domain containing 11
11730856_s_at	2.83	4.12	-2.45	0.0188	0.0879	HMGN3	high mobility group nucleosomal binding domain 3
11716579_a_at	5.06	8.07	-8.04	0.019	0.0884	CYSTM1	cysteine-rich transmembrane module containing 1
11739860_a_at	1.94	4.97	-8.19	0.019	0.0886	ITGA6	integrin alpha 6
11756150_at	1.53	6.26	-26.48	0.0191	0.0887	B2M	beta-2-microglobulin
11757785_x_at	2.34	3.68	-2.53	0.0191	0.0888	HMGB1	high mobility group box 1
11743273_s_at	2.15	3.46	-2.47	0.0192	0.0889	RSRC2	arginine/serine-rich coiled-coil 2
11716821_s_at	2.94	4.61	-3.19	0.0192	0.0889	ATPIF1	ATPase inhibitory factor 1
11722008_a_at	2.06	5.24	-9.1	0.0194	0.0897	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha
11757419_a_at	2.4	3.45	-2.06	0.0194	0.0897	UXT	ubiquitously expressed prefoldin like chaperone
11723014_a_at	1.68	3.37	-3.23	0.0196	0.0901	EXT2	exostosin glycosyltransferase 2
11758264_s_at	1.2	4.05	-7.22	0.0196	0.0902	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0
11731346_a_at	1.68	4.45	-6.84	0.0198	0.0906	DGKZ	diacylglycerol kinase, zeta
11762402_a_at	1.78	3.88	-4.31	0.02	0.0913	ZMYND8	zinc finger, MYND-type containing 8
11755250_x_at	3.6	5.31	-3.27	0.0201	0.0914	RPL13A	ribosomal protein L13a
11715349_a_at	2.35	5.73	-10.39	0.0204	0.0922	COX7C	cytochrome c oxidase subunit VIIc
11723967_a_at	5.16	4.14	2.02	0.0206	0.0927	TNNT3	troponin T type 3 (skeletal, fast)
11726988_s_at	2.61	4.31	-3.24	0.0206	0.0928	EIF2AK1	eukaryotic translation initiation factor 2-alpha kinase 1
11759316_at	2.23	3.67	-2.71	0.0208	0.0932	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)
11754442_x_at	4.39	5.67	-2.42	0.021	0.0938	ELN	elastin
11716426_x_at	3.65	5.16	-2.84	0.021	0.094	PCDHGA1; PCDHGA10 ; PCDHGA11 ; PCDHGA12 ; PCDHGA2;	protocadherin gamma subfamily A, 1; protocadherin gamma subfamily A, 10; protocadherin gamma subfamily A, 11; protocadherin gamma subfamily A, 12; protocadherin gamma subfamily A, 2; protocadherin gamma subfamily A, 3; protocadherin gamma subfamily A, 4; protocadherin gamma subfamily A, 5; protocadherin gamma subfamily A, 6; protocadherin gamma subfamily A, 7; protocadherin gamma subfamily A, 8; protocadherin gamma subfamily A, 9;

						PCDHGA3; PCDHGA4; PCDHGA5; PCDHGA6; PCDHGA7; PCDHGA8; PCDHGA9; PCDHGB1; PCDHGB2; PCDHGB3; PCDHGB4; PCDHGB5; PCDHGB6; PCDHGB7; PCDHGC3; PCDHGC4; PCDHGC5	protocadherin gamma subfamily B, 1; protocadherin gamma subfamily B, 2; protocadherin gamma subfamily B, 3; protocadherin gamma subfamily B, 4; protocadherin gamma subfamily B, 5; protocadherin gamma subfamily B, 6; protocadherin gamma subfamily B, 7; protocadherin gamma subfamily C, 3; protocadherin gamma subfamily C, 4; protocadherin gamma subfamily C, 5
200018_PM_at	2.76	4.7	-3.85	0.0211	0.0941	RPS13	ribosomal protein S13
AFFX-BioB-3_at	9.14	7.63	2.84	0.0213	0.0946		
11729143_at	3.71	4.72	-2.02	0.0213	0.0946	KDM5C	lysine (K)-specific demethylase 5C
11743684_a_at	2.53	3.67	-2.2	0.0213	0.0946	GPR21; RABGAP1	G protein-coupled receptor 21; RAB GTPase activating protein 1
11749747_s_at	2.94	4.3	-2.57	0.0213	0.0947	SNW1	SNW domain containing 1
11725369_at	2.64	6.83	-18.2	0.0214	0.095	SPRR1B	small proline-rich protein 1B
11757420_s_at	2.09	3.84	-3.35	0.0216	0.0954	ZFP36L2	ZFP36 ring finger protein-like 2
11724760_a_at	1.17	2.78	-3.07	0.0217	0.0956	CALM1; CALM2	calmodulin 1 (phosphorylase kinase, delta); calmodulin 2 (phosphorylase kinase, delta)
11755282_a_at	2.23	3.56	-2.52	0.0218	0.096	SCNN1A	sodium channel, non voltage gated 1 alpha subunit
11758319_x_at	4.31	6.29	-3.94	0.022	0.0964	UBC	ubiquitin C

11716828_a_at	1.95	3.92	-3.93	0.0221	0.0966	NPC2	Niemann-Pick disease, type C2
11744853_a_at	3.56	2.18	2.6	0.0223	0.0971	ZNF880	zinc finger protein 880
11733093_a_at	2.57	4.39	-3.54	0.0224	0.0974	FOXRED2	FAD-dependent oxidoreductase domain containing 2
11729715_a_at	3.73	5.73	-4.02	0.0227	0.0981	CBR1	carbonyl reductase 1
AFFX-HUMGAPDH/M33197_3_at	3.64	4.81	-2.24	0.023	0.0989	GAPDH	glyceraldehyde-3-phosphate dehydrogenase
11759425_at	2.64	4.27	-3.11	0.0235	0.1001	FAM127A	family with sequence similarity 127, member A
11758896_s_at	1.77	3.02	-2.37	0.0237	0.1004	CCNI	cyclin I
11748401_x_at	1.52	2.84	-2.5	0.0239	0.1011	TPM4	tropomyosin 4
11754765_s_at	1.64	4.49	-7.22	0.0243	0.1021	KPNA2; LOC146880	karyopherin alpha 2 (RAG cohort 1, importin alpha 1); Rho GTPase activating protein 27 pseudogene
11742954_a_at	2.72	6.85	-17.52	0.0247	0.1031	KRT6A	keratin 6A, type II
11745155_s_at	2.93	5.22	-4.88	0.0249	0.1037	NCL	nucleolin
11757728_s_at	1.69	5.63	-15.36	0.0249	0.1039	FTL	ferritin, light polypeptide
11742679_s_at	2.55	5.3	-6.73	0.0249	0.1039	HNRNPA2B 1	heterogeneous nuclear ribonucleoprotein A2/B1
11716935_a_at	2.45	3.75	-2.47	0.0251	0.1043	SOD1	superoxide dismutase 1, soluble
11715897_at	1.58	5.32	-13.36	0.0252	0.1046	SCARB2	scavenger receptor class B, member 2
AFFX-BioB-5_at	8.76	7.36	2.64	0.0253	0.1049		
11718230_a_at	1.19	5.02	-14.29	0.0254	0.105	HLA-F	major histocompatibility complex, class I, F
11756003_x_at	4.9	7.95	-8.27	0.0256	0.1056	IGF2; INS-IGF2	insulin-like growth factor 2; INS-IGF2 readthrough
11732251_s_at	2.8	4.14	-2.53	0.0257	0.1057	RCOR3	REST corepressor 3
11716716_x_at	1.57	5.5	-15.22	0.0262	0.1069	CTSB	cathepsin B
AFFX-r2-Ec-bioB-5_at	9.02	7.77	2.37	0.0266	0.1078		
11722639_a_at	1.5	3.54	-4.13	0.0271	0.1091	SSBP3	single stranded DNA binding protein 3
11728878_s_at	1.84	4.54	-6.48	0.0271	0.1091	ARID1B	AT rich interactive domain 1B (SWI1-like)
11754972_s_at	2.56	3.8	-2.36	0.0278	0.1106	BAZ2A	bromodomain adjacent to zinc finger domain 2A

11721210_a_at	1.58	4.38	-6.98	0.028	0.1112	SCRIB	scribbled planar cell polarity protein
11758276_s_at	2.15	5.76	-12.25	0.0282	0.1115	ITGB1	integrin beta 1
11743120_s_at	1.77	3.44	-3.19	0.0282	0.1115	EIF4A1; SEN3- EIF4A1	eukaryotic translation initiation factor 4A1; SEN3-EIF4A1 readthrough (NMD candidate)
11764061_s_at	2.53	5.39	-7.23	0.0283	0.1118	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa
11753129_a_at	1.77	4.14	-5.16	0.0285	0.1123	TM4SF1	transmembrane 4 L six family member 1
11756365_a_at	2.56	4.7	-4.41	0.0285	0.1123	EWSR1; TUG1	EWS RNA binding protein 1; taurine up-regulated 1 (non-protein coding)
11722031_s_at	2.8	4.85	-4.12	0.03	0.1155	RNF11	ring finger protein 11
11717647_at	2.43	3.48	-2.07	0.0309	0.1176	MCMBP	minichromosome maintenance complex binding protein
11756670_x_at	2.36	5.54	-9.09	0.0309	0.1177	TUBA1C	tubulin, alpha 1c
11758196_s_at	2.24	6.01	-13.6	0.031	0.1178	IGFBP5	insulin like growth factor binding protein 5
11718051_a_at	2.53	4.69	-4.49	0.0314	0.1188	RPL27	ribosomal protein L27
11739876_s_at	3.35	4.49	-2.21	0.0317	0.1194	BSG	basigin (Ok blood group)
11757513_at	3.18	4.48	-2.47	0.0319	0.12	NFKBIZ	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
11720460_x_at	2.07	5.27	-9.16	0.0319	0.1201	F11R	F11 receptor
11754575_s_at	2.4	4.43	-4.09	0.0326	0.1214	AHNAK	AHNAK nucleoprotein
11756533_s_at	2.34	3.46	-2.17	0.0326	0.1216	YTHDF3	YTH N(6)-methyladenosine RNA binding protein 3
11721906_s_at	3.4	4.85	-2.72	0.0332	0.1229	PSMA4	proteasome subunit alpha 4
11752194_a_at	3.88	5.27	-2.6	0.0332	0.123	TAX1BP1	Tax1 (human T-cell leukemia virus type I) binding protein 1
11739978_s_at	2.22	3.38	-2.24	0.0343	0.1256	AGO3	argonaute RISC catalytic component 3
11762785_x_at	2.51	1.44	2.09	0.0344	0.1259	ACTG1	actin gamma 1
11717051_s_at	2.61	4.62	-4.03	0.0346	0.1263	SSR1	signal sequence receptor, alpha
11717939_a_at	1.8	5.7	-14.99	0.0349	0.1268	U2AF2	U2 small nuclear RNA auxiliary factor 2
11742928_a_at	2.29	4.24	-3.88	0.035	0.1272	AP3D1	adaptor-related protein complex 3, delta 1 subunit
AFFX-r2-Ec-bioB-3_at	9.22	7.97	2.37	0.0352	0.1275		
11715238_x_at	8.04	10.6	-5.89	0.0352	0.1275	RPL9	ribosomal protein L9

11718705_at	1.4	3.92	-5.75	0.0352	0.1275	IGF1R	insulin-like growth factor 1 receptor
11716551_s_at	1.55	2.58	-2.04	0.0353	0.1278	HES1	hes family bHLH transcription factor 1
AFFX-BioB-M_at	9.36	8.03	2.52	0.0355	0.1281		
11747367_a_at	1.26	2.58	-2.49	0.0356	0.1285	RAB18	RAB18, member RAS oncogene family
11745190_a_at	3.67	4.86	-2.28	0.0367	0.1309	FUS	FUS RNA binding protein
11757815_s_at	2.48	3.59	-2.16	0.0374	0.1324	METTL7A	methyltransferase like 7A
11758021_s_at	1.29	4	-6.53	0.0375	0.1326	DDX3X	DEAD (Asp-Glu-Ala-Asp) box helicase 3, X-linked
11737690_a_at	2.68	3.96	-2.42	0.0377	0.133	ZP3	zona pellucida glycoprotein 3 (sperm receptor)
11756366_x_at	1.75	2.99	-2.36	0.0377	0.133	EWSR1	EWS RNA binding protein 1
11754728_a_at	4.21	5.21	-2	0.0378	0.1331	MAL	mal, T-cell differentiation protein
11716367_s_at	1.94	3.29	-2.55	0.0382	0.1342	PRR13	proline rich 13
11730370_a_at	2.41	4.76	-5.09	0.0383	0.1344	EIF4E3	eukaryotic translation initiation factor 4E family member 3
11719789_x_at	1.62	3.2	-2.99	0.0384	0.1345	TUBB2A	tubulin, beta 2A class IIa
11718345_a_at	2.41	4.83	-5.36	0.0385	0.1347	CNOT7	CCR4-NOT transcription complex subunit 7
11718231_x_at	2.58	4.32	-3.35	0.0387	0.135	HLA-F	major histocompatibility complex, class I, F
11754620_s_at	1.92	3.48	-2.95	0.0389	0.1354	PKP4	plakophilin 4
11746595_a_at	1.97	3.49	-2.85	0.0389	0.1356	PCM1	pericentriolar material 1
11720029_a_at	3.01	5.39	-5.22	0.0393	0.1364	LDLR	low density lipoprotein receptor
11740581_s_at	1.87	4.43	-5.92	0.0396	0.1371	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1
11716805_s_at	1.93	3.76	-3.55	0.0397	0.1373	PLEKHA2	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2
11715467_s_at	3.37	4.65	-2.43	0.0398	0.1376	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta
11741107_a_at	2.33	3.66	-2.52	0.0404	0.1388	MRPS14	mitochondrial ribosomal protein S14
11729763_a_at	1.79	3.2	-2.67	0.0405	0.1389	LSM10	LSM10, U7 small nuclear RNA associated
11717095_s_at	3	4.46	-2.75	0.0406	0.1392	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1
11720467_s_at	2.31	3.35	-2.06	0.0407	0.1393	DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminophosphotransferase 1 (GlcNAc-1-P transferase)
11759426_x_at	3.28	4.72	-2.7	0.0411	0.1402	FAM127A	family with sequence similarity 127, member A
11757907_x_at	3.72	7.7	-15.75	0.0411	0.1402	HSPA1A;	heat shock 70kDa protein 1A; heat shock 70kDa protein 1B

						HSPA1B	
11717249_s_at	1.94	3.54	-3.03	0.0417	0.1413	MRPL20	mitochondrial ribosomal protein L20
11742892_s_at	2.84	3.91	-2.11	0.0417	0.1414	PSMA4	proteasome subunit alpha 4
11736599_a_at	1.73	2.89	-2.24	0.0419	0.1417	DLG3	discs, large homolog 3 (Drosophila)
11757408_x_at	2.3	3.43	-2.19	0.042	0.1419	RPS20	ribosomal protein S20
11745361_a_at	1.65	2.8	-2.22	0.0422	0.1425	CRNDE	colorectal neoplasia differentially expressed (non-protein coding)
11739261_s_at	3.28	4.9	-3.09	0.0423	0.1425	ACSL3	acyl-CoA synthetase long-chain family member 3
11723925_a_at	2.68	4.49	-3.51	0.0439	0.146	KRT13	keratin 13, type I
11734652_s_at	2.32	4.94	-6.16	0.0441	0.1463	ATP5F1	ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit B1
11734530_x_at	2.25	4.38	-4.37	0.0443	0.1466	HLA-F	major histocompatibility complex, class I, F
AFFX-r2-Ec-bioB-M_at	9.44	8.33	2.16	0.0443	0.1466		
11742870_at	2.52	3.57	-2.07	0.0443	0.1466	ARPC2	actin related protein 2/3 complex subunit 2
11751318_s_at	1.72	3.38	-3.18	0.0446	0.1472	EIF4A1; SEN3- EIF4A1	eukaryotic translation initiation factor 4A1; SEN3-EIF4A1 readthrough (NMD candidate)
11758269_s_at	1.93	3.29	-2.55	0.0446	0.1472	MAT2B	methionine adenosyltransferase II, beta
11746255_x_at	1.7	3.2	-2.84	0.0461	0.1501	VPS29	VPS29 retromer complex component
11731433_a_at	3.85	6.65	-6.97	0.0463	0.1505	SEPP1	selenoprotein P, plasma, 1
11726871_s_at	1.5	3.3	-3.49	0.0468	0.1516	LEPR	leptin receptor
11756893_x_at	2.91	5.17	-4.8	0.047	0.152	RAB11B	RAB11B, member RAS oncogene family
11754315_x_at	1.35	4.99	-12.47	0.0474	0.1528	TMSB4X	thymosin beta 4, X-linked
11733068_s_at	2.07	3.34	-2.41	0.0482	0.1544	KLF10	Kruppel-like factor 10
11744785_x_at	1.4	2.5	-2.14	0.0486	0.1553	SCRIB	scribbled planar cell polarity protein
11717088_s_at	1.67	3.38	-3.26	0.049	0.156	RBM39	RNA binding motif protein 39
11757346_s_at	1.99	5.32	-10.03	0.0492	0.1565	FTL	ferritin, light polypeptide
11722999_x_at	2.28	3.37	-2.13	0.0497	0.1577	UBE2D3	ubiquitin conjugating enzyme E2D 3

FDR, false discovery rate.

Table SIV. Differential gene expression between metastasis-negative and -positive tumor tissues.

ID	Tumor: Negative average (log2)	Tumor: Positive average (log2)	Fold change	P-value	FDR P- value	Gene symbol	Description
11763632_a_at	3.65	4.7	-2.07	2.13×10^{-6}	0.0021	SLC12A4	solute carrier family 12 (potassium/chloride transporter), member 4
11755771_a_at	2.31	3.33	-2.02	2.64×10^{-5}	0.0069	ZNF275	zinc finger protein 275
11720164_at	3.11	4.22	-2.16	5.24×10^{-5}	0.01	FKBPL	FK506 binding protein like
11744153_a_at	2.04	3.35	-2.47	0.0002	0.0177	RTN1	reticulon 1
11761155_x_at	3.94	5.18	-2.36	0.0003	0.0242	DNALI1	dynein, axonemal, light intermediate chain 1
11748907_a_at	2.02	0.84	2.26	0.0004	0.0273	RARRES3	retinoic acid receptor responder (tazarotene induced) 3
11747677_a_at	1.92	3.05	-2.19	0.0005	0.0292	BZW2	basic leucine zipper and W2 domains 2
11755612_s_at	2.99	4.49	-2.84	0.0006	0.0329	SNRPA1	small nuclear ribonucleoprotein polypeptide A'
11733709_s_at	2.5	4.14	-3.11	0.0007	0.0347	TMEM189- UBE2V1; UBE2V1	TMEM189-UBE2V1 readthrough; ubiquitin conjugating enzyme E2 variant 1
11733315_a_at	3.25	4.25	-2	0.0008	0.0376	AMER3	APC membrane recruitment protein 3
AFFX-M27830_5_at	2.15	3.9	-3.35	0.0009	0.0403		
11764227_at	2.46	3.72	-2.39	0.0012	0.0439		
11761422_at	2.34	3.62	-2.42	0.0014	0.0472	CCDC12	coiled-coil domain containing 12
AFFX-r2-Bs-dap-M_at	2.01	10.98	-498.95	0.0017	0.0524		
11752606_x_at	2.89	4.14	-2.38	0.0024	0.062	NRBP2	nuclear receptor binding protein 2
11730135_at	2.43	3.49	-2.09	0.0026	0.0653	ZFR2	zinc finger RNA binding protein 2
11763419_x_at	2.2	3.42	-2.33	0.0027	0.0653	AP5S1	adaptor-related protein complex 5, sigma 1 subunit
AFFX-DapX-M_at	1.63	10.6	-503.89	0.0036	0.0742		
AFFX-r2-Bs-phe-M_at	1.49	7.2	-52.27	0.0039	0.0771		
11726090_at	1.63	2.83	-2.29	0.004	0.0782	VPS53	vacuolar protein sorting 53 homolog (S. cerevisiae)
AFFX-r2-Bs-dap-3_at	1.5	11.76	-1228.08	0.004	0.0785		
11738394_a_at	1.58	2.67	-2.13	0.0041	0.0794	RAD54L2	RAD54-like 2 (S. cerevisiae)

11753118_a_at	1.96	2.99	-2.04	0.0044	0.0815	POLR3D	polymerase (RNA) III (DNA directed) polypeptide D, 44kDa
11754842_x_at	3.64	4.67	-2.04	0.0049	0.0865	MEI1	meiotic double-stranded break formation protein 1
11753904_a_at	2.69	3.73	-2.06	0.005	0.0874	CDC42EP2	CDC42 effector protein (Rho GTPase binding) 2
AFFX-DapX-3_at	2.29	11.81	-734.25	0.0052	0.0894		
AFFX-PheX-M_at	1.89	7.03	-35.29	0.0054	0.09		
11721812_a_at	2.7	3.77	-2.1	0.0054	0.09	VWA1	von Willebrand factor A domain containing 1
11715407_s_at	2.59	1.39	2.29	0.0058	0.093	PSMB4	proteasome subunit beta 4
11751710_a_at	3.43	4.5	-2.11	0.0059	0.0938	SLC48A1	solute carrier family 48 (heme transporter), member 1
11724614_at	3.1	4.22	-2.18	0.006	0.0948	LIMK1	LIM domain kinase 1
AFFX-ThrX-3_at	2.41	8.38	-62.65	0.0066	0.0989		
11744079_s_at	2.48	3.5	-2.03	0.0067	0.0991	PRSS2; PRSS3; PRSS3P2	protease, serine, 2 (trypsin 2); protease, serine, 3; protease, serine 3 pseudogene 2
AFFX-r2-Bs-thr-3_s_at	2.58	8.68	-68.36	0.0073	0.1036		
11736457_at	2.87	4	-2.19	0.0073	0.1036	KCNK6	potassium channel, two pore domain subfamily K, member 6
AFFX-M27830_M_at	4.77	6.04	-2.42	0.0074	0.1037		
11742688_s_at	3.31	2	2.47	0.0076	0.1053	HIST2H2AA3; HIST2H2AA4	histone cluster 2, H2aa3; histone cluster 2, H2aa4
11759208_at	3.59	4.62	-2.04	0.0089	0.1144	GPR176	G protein-coupled receptor 176
11737690_a_at	2.46	4.82	-5.16	0.0092	0.1165	ZP3	zona pellucida glycoprotein 3 (sperm receptor)
11758734_x_at	1.85	2.94	-2.13	0.0092	0.1165	EIF5A	eukaryotic translation initiation factor 5A
11763060_a_at	4.95	6.08	-2.19	0.0093	0.117	NPSR1-AS1	NPSR1 antisense RNA 1
11755803_s_at	2.46	3.59	-2.18	0.0094	0.117	FAAP20	Fanconi anemia core complex associated protein 20
11720341_at	3.54	1.16	5.22	0.0103	0.1224	NDUFA13	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13
11761150_a_at	2.6	3.71	-2.15	0.0105	0.1238	GALK1	galactokinase 1
11761569_x_at	3.63	4.76	-2.18	0.0115	0.1291	TMC6	transmembrane channel like 6
11732092_at	1.87	2.91	-2.06	0.0121	0.133	FOXO3	forkhead box E3
11750539_a_at	2.34	3.6	-2.4	0.0128	0.1376	KCNMB2	potassium channel subfamily M regulatory beta subunit 2
AFFX-r2-Bs-phe-3_at	3.19	8.58	-41.96	0.013	0.1385		
AFFX-	2.79	3.92	-2.19	0.0132	0.1392		

HUMRGE/M10098_5_at							
AFFX-LysX-M_at	2.08	6.74	-25.35	0.0144	0.1453		
11754379_at	2.4	3.41	-2.02	0.0145	0.1456	PARP9	poly(ADP-ribose) polymerase family member 9
AFFX-r2-Bs-dap-5_at	1.71	7.64	-60.66	0.0148	0.147		
11742888_s_at	7.38	5.47	3.76	0.0152	0.1489	GCSH; LOC729080	glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
AFFX-HUMRGE/M10098_3_at	2.94	4.58	-3.12	0.0153	0.1494		
AFFX-r2-Bs-phe-5_at	1.73	6.67	-30.67	0.0157	0.1513		
11755013_x_at	2.44	3.53	-2.13	0.0163	0.1544	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B
11718736_a_at	2.2	3.54	-2.53	0.0165	0.1552	PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1
11757015_s_at	4.25	5.36	-2.15	0.0173	0.1594	ODF3L2	outer dense fiber of sperm tails 3-like 2
AFFX-PheX-5_at	1.99	6.52	-23.14	0.0175	0.1606		
11748027_x_at	2.34	3.35	-2.01	0.0187	0.1659	MBD3	methyl-CpG binding domain protein 3
AFFX-r2-Bs-lys-M_at	1.55	6.13	-23.82	0.0187	0.1659		
11716397_a_at	2.76	3.85	-2.13	0.0191	0.1678	AKR7A2	aldo-keto reductase family 7, member A2
11757061_s_at	7.13	5.43	3.26	0.0193	0.1688	GCSH; LOC729080	glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
AFFX-PheX-3_at	2.64	7.44	-27.81	0.0195	0.1695		
11745479_a_at	4.63	3.43	2.29	0.0202	0.1725	GLYCTK	glycerate kinase
11756405_s_at	7.4	5.67	3.32	0.0207	0.1741	GCSH; LOC729080	glycine cleavage system protein H (aminomethyl carrier); glycine cleavage system protein H (aminomethyl carrier) pseudogene
AFFX-LysX-3_at	4.01	8.03	-16.22	0.0208	0.1743		
AFFX-LysX-5_at	1.62	5.67	-16.65	0.0208	0.1744		
AFFX-r2-Bs-lys-5_at	1.58	5.75	-17.95	0.0209	0.175		
11729564_s_at	3.55	4.68	-2.19	0.0209	0.175	DND1	DND microRNA-mediated repression inhibitor 1
11738892_a_at	6.88	4.96	3.78	0.0211	0.1755	TPM1	tropomyosin 1 (alpha)
11742245_a_at	3.18	4.47	-2.45	0.0218	0.1785	HTRA2	HtrA serine peptidase 2

11729500_a_at	2.78	4.05	-2.4	0.022	0.179	HHATL	hedgehog acyltransferase-like
11727614_at	4.7	5.91	-2.31	0.023	0.1834	SCN2B	sodium channel, voltage gated, type II beta subunit
11731645_a_at	3.4	4.42	-2.03	0.0235	0.1855	CAMKK2	calcium/calmodulin-dependent protein kinase kinase 2, beta
11737844_a_at	3.47	4.64	-2.26	0.0239	0.1874	FAM102A	family with sequence similarity 102, member A
11731057_s_at	2.74	3.8	-2.08	0.0245	0.1893	CLCNKA; CLCNKB	chloride channel, voltage-sensitive Ka; chloride channel, voltage-sensitive Kb
11724091_s_at	2.67	3.67	-2	0.0248	0.1901	RNF208	ring finger protein 208
AFFX-r2-Bs-thr-M_s_at	1.9	6.24	-20.31	0.026	0.1944		
AFFX-r2-Bs-lys-3_at	2.46	6.94	-22.35	0.0264	0.1959		
11763684_x_at	4.67	3.64	2.05	0.0268	0.1974	IGKV1-5	immunoglobulin kappa variable 1-5
AFFX-DapX-5_at	2.25	7.35	-34.15	0.0269	0.1975		
11716673_a_at	3.1	4.25	-2.21	0.0275	0.1998	ACIN1	apoptotic chromatin condensation inducer 1
11751341_s_at	2.71	3.83	-2.17	0.0275	0.1998	PRAMEF1; PRAMEF13; PRAMEF14; PRAMEF2; PRAMEF34P; PRAMEF36P	PRAME family member 1; PRAME family member 13; PRAME family member 14; PRAME family member 2; PRAME family member 34, pseudogene; PRAME family member 36, pseudogene
11755731_a_at	3.46	4.67	-2.32	0.031	0.2123	KLK3	kallikrein related peptidase 3
11743329_a_at	2.18	3.18	-2	0.0335	0.2198	BRICD5; PGP	BRICHOS domain containing 5; phosphoglycolate phosphatase
11736462_a_at	4.37	5.54	-2.24	0.0375	0.2327	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2
11750981_a_at	2.47	3.87	-2.64	0.039	0.2377	SHKBP1	SH3KBP1 binding protein 1
11744853_a_at	5.37	2.52	7.18	0.04	0.2405	ZNF880	zinc finger protein 880
AFFX-HUMRGE/M10098_M_at	2.72	4.25	-2.89	0.0436	0.2511		
11722228_at	4.47	5.62	-2.22	0.0448	0.255	DNAJC30	DnaJ (Hsp40) homolog, subfamily C, member 30
11717546_s_at	3.38	4.46	-2.1	0.0454	0.2563	MPRIP	myosin phosphatase Rho interacting protein
11762271_at	3.79	4.97	-2.26	0.0469	0.2606	KCNIP2	Kv channel interacting protein 2

FDR, false discovery rate.