Supplemental Table I

ProbeSet	Entrez	Symbol	Chr	Gene name	Gene in NCBI dataset	Proportion Present Normal	Proportion Present Pre-neoplastic	Proportion Present Neoplastic	q-value	CpG islands (Takai & Jones)	CpG islands (Gardiner-Garden & Frommer)
218434_s_at	65985	AACS	12	acetoacetyl-CoA synthetase	Yes	0.79	0.19	0.18	0.0002	Yes	Yes
202394_s_at	55324	ABCF3	3	ATP-binding cassette, sub-family F (GCN20), member 3	Yes	0.74	0.40	0.28	0.010675	Yes	Yes
221815_at	11057	ABHD2	15	abhydrolase domain containing 2	Yes	0.95	1.00	0.80	0.040614	Yes	Yes
221552_at	57406	ABHD6	3	abhydrolase domain containing 6	Yes	1.00	0.96	0.85	0.045978	Yes	Yes
205730_s_at	22885	ABLIM3	5	actin binding LIM protein family, member 3	Yes	1.00	1.00	0.80	0.00187	Yes	Yes
214584_x_at	32	ACACB	12	acetyl-Coenzyme A carboxylase beta	Yes	0.32	0.04	0.05	0.018393	No	No
221928_at	32	ACACB	12	acetyl-Coenzyme A carboxylase beta	Yes	1.00	0.89	0.53	6.51E-05	No	No
202366_at	35	ACADS	12	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	Yes	1.00	0.95	0.80	0.030418	Yes	Yes
218658_s_at	93973	ACTR8	3	ARP8 actin-related protein 8 homolog (yeast)	Yes	0.84	0.56	0.48	0.031661	Yes	Yes
220028_at	93	ACVR2B	3	activin A receptor, type IIB	Yes	0.95	0.23	0.43	0.010971	Yes	Yes
221421_s_at	81792	ADAMTS12	5	ADAM metallopeptidase with thrombospondin type 1 motif, 12	Yes	0.58	0.14	0.20	0.043588	Yes	Yes
214913_at	9508	ADAMTS3	4	ADAM metallopeptidase with thrombospondin type 1 motif, 3	Yes	0.79	0.42	0.30	0.007687	Yes	Yes
220287_at	56999	ADAMTS9	3	ADAM metallopeptidase with thrombospondin type 1 motif, 9	Yes	1.00	0.98	0.88	0.038733	Yes	Yes
213245_at	107	ADCY1	7	adenylate cyclase 1 (brain)	Yes	0.79	0.18	0.23	0.000841	Yes	Yes
206807_s_at	119	ADD2	2	adducin 2 (beta)	Yes	1.00	0.19	0.35	0.002293	Yes	Yes
211492_s_at	148	ADRA1A	8	adrenergic, alpha-1A-, receptor	Yes	0.26	0.05	0.00	0.006016	Yes	Yes
207589_at	147	ADRA1B	5	adrenergic, alpha-1B-, receptor	Yes	0.53	0.02	0.00	2.48E-06	Yes	Yes
210678_s_at	10555	AGPAT2	9	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	Yes	0.95	0.49	0.30	9.75E-05	Yes	Yes
212992_at	113146	AHNAK2	14	AHNAK nucleoprotein 2	NA	0.26	0.02	0.00	0.002635	NA	NA
201782_s_at	9049	AIP	11	aryl hydrocarbon receptor interacting protein	Yes	1.00	1.00	0.95	0.047859	Yes	Yes
205359_at	9472	AKAP6	14	A kinase (PRKA) anchor protein 6	Yes	0.79	0.12	0.33	0.020179	No	No
215029_at	79647	AKIRIN1	1	akirin 1	NA	1.00	0.91	0.75	0.020815	NA	NA
207163_s_at	207	AKT1	14	v-akt murine thymoma viral oncogene homolog 1	Yes	1.00	0.68	0.68	0.035711	Yes	Yes
218373_at	64400	AKTIP	16	AKT interacting protein	NA	1.00	1.00	0.83	0.005644	NA	NA
214423_x_at	229	ALDOB	9	aldolase B, fructose-bisphosphate	Yes	0.74	0.84	0.33	0.000734	No	No
214424_s_at	229	ALDOB	9	aldolase B, fructose-bisphosphate	Yes	0.84	0.84	0.63	0.028634	No	No
218444_at	79087	ALG12	22	asparagine-linked glycosylation 12 homolog (S. cerevisiae, alpha-1,6-mannosyltransferase)	Yes	0.79	0.14	0.08	1.07E-05	Yes	Yes
207133_x_at	80216	ALPK1	4	alpha-kinase 1	Yes	0.63	0.33	0.20	0.004917	No	No

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214425_at	259	AMBP	9	alpha-1-microglobulin/bikunin precursor	Yes	0.47	0.37	0.00	0.001175	No	Yes
202204_s_at	267	AMFR	16	autocrine motility factor receptor	Yes	0.58	0.42	0.25	0.026794	Yes	Yes
212360_at	271	AMPD2	1	adenosine monophosphate deaminase 2 (isoform L)	Yes	1.00	0.84	0.70	0.015884	Yes	Yes
221009_s_at	51129	ANGPTL4	19	angiopoietin-like 4	Yes	0.63	0.93	0.35	0.006424	Yes	Yes
216563_at	23253	ANKRD12	18	ankyrin repeat domain 12	Yes	0.89	0.86	0.10	2.72E-09	Yes	Yes
213035_at	23243	ANKRD28	3	ankyrin repeat domain 28	Yes	0.79	0.74	0.35	0.001211	Yes	Yes
215241_at	63982	ANO3	11	anoctamin 3	NA	0.68	0.33	0.28	0.030864	NA	NA
201043_s_at	8125	ANP32A	15	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	Yes	0.63	0.70	0.40	0.046317	Yes	Yes
206894_at	337	APOA4	11	apolipoprotein A-IV	Yes	1.00	0.81	0.50	0.0007	No	No
39249_at	360	AQP3	9	aquaporin 3 (Gill blood group)	Yes	0.68	0.51	0.13	0.000467	Yes	Yes
211110_s_at	367	AR	X	androgen receptor	Yes	0.89	0.72	0.55	0.026082	Yes	Yes
211975_at	84364	ARFGAP2	11	ADP-ribosylation factor GTPase activating protein 2	NA	1.00	1.00	0.93	0.03841	NA	NA
201228_s_at	10425	ARIH2	3	ariadne homolog 2 (Drosophila)	NA	0.21	0.09	0.03	0.035217	NA	NA
218216_x_at	51329	ARL6IP4	12	ADP-ribosylation-like factor 6 interacting protein 4	Yes	1.00	0.91	0.75	0.013262	Yes	Yes
221758_at	93436	ARMC6	19	armadillo repeat containing 6	Yes	0.68	0.47	0.30	0.024432	Yes	Yes
209824_s_at	406	ARNTL	11	aryl hydrocarbon receptor nuclear translocator-like	Yes	0.63	0.21	0.15	0.004445	Yes	Yes
210971_s_at	406	ARNTL	11	aryl hydrocarbon receptor nuclear translocator-like	Yes	0.95	0.39	0.43	0.00828	Yes	Yes
218857_s_at	80150	ASRGL1	11	asparaginase like 1	Yes	0.42	0.12	0.08	0.008907	Yes	Yes
204999_s_at	22809	ATF5	19	activating transcription factor 5	NA	1.00	0.84	0.58	0.001453	NA	NA
220521_s_at	55054	ATG16L1	2	ATG16 autophagy related 16-like 1 (S. cerevisiae)	Yes	0.53	0.49	0.15	0.005219	Yes	Yes
201171_at	8992	ATP6V0E1	5	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1	NA	0.68	0.60	0.28	0.006589	NA	NA
214934_at	374868	ATP9B	18	ATPase, class II, type 9B	Yes	1.00	0.95	0.80	0.018681	Yes	Yes
209902_at	545	ATR	3	ataxia telangiectasia and Rad3 related	Yes	0.53	0.14	0.18	0.022083	Yes	Yes
213744_at	26033	ATRNL1	10	attractin-like 1	Yes	0.47	0.11	0.13	0.015494	Yes	Yes
206251_s_at	552	AVPR1A	12	arginine vasopressin receptor 1A	Yes	0.89	0.18	0.40	0.021841	No	Yes
215055_at	146712	B3GNTL1	17	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1	Yes	0.26	0.05	0.05	0.032847	Yes	Yes
210534_s_at	27077	B9D1	17	B9 protein domain 1	NA	1.00	0.77	0.73	0.049937	NA	NA
219966_x_at	54971	BANP	16	BTG3 associated nuclear protein	Yes	0.42	0.49	0.13	0.018759	Yes	Yes
212081_x_at	7916	BAT2	6	HLA-B associated transcript 2	Yes	1.00	0.67	0.70	0.033743	Yes	Yes
211944_at	23215	BAT2D1	1	BAT2 domain containing 1	Yes	0.79	0.91	0.60	0.044128	Yes	Yes
37549_g_at	27241	BBS9	7	Bardet-Biedl syndrome 9	NA	0.95	0.74	0.63	0.031925	NA	NA

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208292_at	27302	BMP10	2	bone morphogenetic protein 10	Yes	0.37	0.05	0.05	0.011819	No	No
37226_at	662	BNIP1	5	BCL2/adenovirus E1B 19kDa interacting protein 1	Yes	1.00	0.63	0.65	0.038679	Yes	Yes
207186_s_at	2186	BPTF	17	bromodomain PHD finger transcription factor	NA	1.00	1.00	0.90	0.034017	NA	NA
202103_at	23476	BRD4	19	bromodomain containing 4	Yes	0.84	0.54	0.45	0.017834	No	Yes
205715_at	683	BST1	4	bone marrow stromal cell antigen 1	Yes	0.21	0.09	0.00	0.022908	Yes	Yes
203571_s_at	10974	C10orf116	10	chromosome 10 open reading frame 116	Yes	0.74	0.96	0.48	0.004123	Yes	Yes
218925_s_at	64776	C11orf1	11	chromosome 11 open reading frame 1	Yes	0.32	0.11	0.05	0.041112	Yes	Yes
204289_at	80127	C14orf45	14	chromosome 14 open reading frame 45	Yes	0.53	0.18	0.03	0.000133	No	No
219018_s_at	317762	C14orf65	14	chromosome 14 open reading frame 65	NA	0.89	0.28	0.20	0.000376	NA	NA
213105_s_at	115939	C16orf42	16	chromosome 16 open reading frame 42	NA	0.63	0.09	0.23	0.045478	NA	NA
203830_at	64149	C17orf75	17	chromosome 17 open reading frame 75	NA	0.68	0.21	0.25	0.038733	NA	NA
219419_at	79863	C18orf22	18	chromosome 18 open reading frame 22	Yes	0.74	0.23	0.18	0.001374	Yes	Yes
218159_at	65992	C20orf116	20	chromosome 20 open reading frame 116	Yes	0.89	0.72	0.50	0.012529	Yes	Yes
218586_at	55257	C20orf20	20	chromosome 20 open reading frame 20	Yes	0.84	0.68	0.43	0.019358	Yes	Yes
219706_at	55317	C20orf29	20	chromosome 20 open reading frame 29	Yes	0.95	0.68	0.55	0.021113	Yes	Yes
218089_at	25980	C20orf4	20	chromosome 20 open reading frame 4	Yes	0.89	0.79	0.63	0.043115	Yes	Yes
210667_s_at	8209	C21orf33	21	chromosome 21 open reading frame 33	Yes	1.00	0.98	0.83	0.021113	Yes	Yes
212421_at	23313	C22orf9	22	chromosome 22 open reading frame 9	Yes	1.00	0.96	0.88	0.045297	Yes	Yes
219747_at	79625	C4orf31	4	chromosome 4 open reading frame 31	Yes	0.53	0.12	0.18	0.049613	Yes	Yes
215100_at	84830	C6orf105	6	chromosome 6 open reading frame 105	Yes	0.74	0.44	0.30	0.022456	No	No
215024_at	221960	C7orf28B	7	chromosome 7 open reading frame 28B	Yes	0.58	0.30	0.23	0.024644	Yes	Yes
210109_at	27099	C7orf54	7	chromosome 7 open reading frame 54	NA	0.58	0.44	0.20	0.010721	NA	NA
217130_at	90477	C9orf33	9	chromosome 9 open reading frame 33	NA	0.42	0.05	0.10	0.024721	NA	NA
210727_at	796	CALCA	11	calcitonin-related polypeptide alpha	Yes	0.53	0.00	0.03	2.71E-05	Yes	Yes
210728_s_at	796	CALCA	11	calcitonin-related polypeptide alpha	Yes	0.26	0.00	0.03	0.018865	Yes	Yes
217561_at	796	CALCA	11	calcitonin-related polypeptide alpha	Yes	0.63	0.46	0.25	0.020623	Yes	Yes
210020_x_at	810	CALML3	10	calmodulin-like 3	Yes	0.89	0.26	0.30	0.003468	Yes	Yes
34846_at	816	CAMK2B	7	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Yes	0.58	0.14	0.15	0.008809	Yes	Yes
212710_at	157922	CAMSAP1	9	calmodulin regulated spectrin-associated protein 1	Yes	0.79	0.49	0.38	0.023754	No	Yes
212948_at	23125	CAMTA2	17	calmodulin binding transcription activator 2	Yes	1.00	0.61	0.63	0.030288	Yes	Yes
214888_at	824	CAPN2	1	calpain 2, (m/II) large subunit	Yes	0.68	0.42	0.23	0.012801	Yes	Yes
220293_at	79820	CATSPERB	14	cation channel, sperm-associated, beta	NA	0.26	0.14	0.05	0.039251	NA	NA
208056_s_at	863	CBFA2T3	16	core-binding factor, runt domain, alpha subunit 2; translocated to, 3	Yes	0.47	0.05	0.03	8.46E-05	No	Yes
209715_at	23468	CBX5	12	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	Yes	0.58	0.11	0.10	0.002156	Yes	Yes

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218125_s_at	55246	CCDC25	8	coiled-coil domain containing 25	Yes	1.00	0.82	0.75	0.028854	Yes	Yes
218722_s_at	79714	CCDC51	3	coiled-coil domain containing 51	Yes	1.00	0.56	0.55	0.013226	Yes	Yes
212886_at	26112	CCDC69	5	coiled-coil domain containing 69	Yes	1.00	0.65	0.35	3.77E-05	Yes	Yes
210549_s_at	6368	CCL23	17	chemokine (C-C motif) ligand 23	Yes	0.37	0.04	0.00	0.000334	No	No
205789_at	912	CD1D	1	CD1d molecule	Yes	0.89	0.91	0.75	0.048948	No	No
205692_s_at	952	CD38	4	CD38 molecule	Yes	0.68	0.47	0.25	0.008593	Yes	Yes
206508_at	970	CD70	19	CD70 molecule	NA	0.42	0.04	0.03	0.001703	NA	NA
205627_at	978	CDA	1	cytidine deaminase	Yes	0.68	0.49	0.13	0.000114	No	No
206898_at	28513	CDH19	18	cadherin 19, type 2	Yes	1.00	1.00	0.85	0.016151	No	No
204029_at	1952	CELSR2	1	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Yes	0.53	0.23	0.20	0.035398	Yes	Yes
214102_at	116984	CENTD1	4	centaurin, delta 1	Yes	0.89	0.89	0.65	0.027432	Yes	Yes
213956_at	9857	CEP350	1	centrosomal protein 350kDa	NA	1.00	0.98	0.83	0.011807	NA	NA
209508_x_at	8837	CFLAR	2	CASP8 and FADD-like apoptosis regulator	Yes	1.00	1.00	0.85	0.010367	Yes	Yes
214486_x_at	8837	CFLAR	2	CASP8 and FADD-like apoptosis regulator	Yes	0.26	0.30	0.00	0.025316	Yes	Yes
212313_at	91782	CHMP7	8	CHMP family, member 7	Yes	1.00	0.96	0.85	0.031892	No	No
202175_at	79586	CHPF	2	chondroitin polymerizing factor	Yes	0.79	0.51	0.38	0.019615	Yes	Yes
211248_s_at	8646	CHRD	3	chordin	Yes	0.68	0.86	0.43	0.008012	Yes	Yes
220446_s_at	10164	CHST4	16	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	Yes	1.00	1.00	0.85	0.016151	No	No
205328_at	9071	CLDN10	13	claudin 10	Yes	0.95	1.00	0.73	0.003353	No	Yes
220496_at	51266	CLEC1B	12	C-type lectin domain family 1, member B	Yes	0.95	0.54	0.45	0.008801	No	No
207995_s_at	10332	CLEC4M	19	C-type lectin domain family 4, member M	Yes	0.89	0.63	0.53	0.013122	No	No
221845_s_at	81570	CLPB	11	ClpB caseinolytic peptidase B homolog (E. coli)	Yes	0.58	0.26	0.18	0.011682	Yes	Yes
220304_s_at	54714	CNGB3	8	cyclic nucleotide gated channel beta 3	Yes	0.53	0.18	0.08	0.002037	No	No
209874_x_at	54805	CNNM2	10	cyclin M2	Yes	0.84	0.19	0.23	0.001673	Yes	Yes
206586_at	1269	CNR2	1	cannabinoid receptor 2 (macrophage)	Yes	0.47	0.25	0.13	0.009155	No	No
201913_s_at	80347	COASY	17	Coenzyme A synthase	Yes	0.89	0.65	0.35	0.00032	Yes	Yes
214337_at	1314	COPA	1	coatomer protein complex, subunit alpha	Yes	0.68	0.39	0.25	0.009846	No	No
201264_at	11316	COPE	19	coatomer protein complex, subunit epsilon	Yes	0.79	0.44	0.28	0.001757	Yes	Yes
209029_at	50813	COPS7A	12	COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis)	Yes	1.00	0.98	0.85	0.031927	Yes	Yes
221227_x_at	51805	COQ3	6	coenzyme Q3 homolog, methyltransferase (S. cerevisiae)	Yes	0.84	0.25	0.38	0.027616	Yes	Yes
209746_s_at	10229	COQ7	16	coenzyme Q7 homolog, ubiquinone (yeast)	Yes	0.84	0.33	0.33	0.028283	Yes	Yes
213454_at	1325	CORT	1	cortistatin	NA	0.74	0.23	0.28	0.023128	NA	NA
201638_s_at	29894	CPSF1	8	cleavage and polyadenylation specific factor 1, 160kDa	NA	0.16	0.04	0.00	0.041473	NA	NA
204263_s_at	1376	CPT2	1	carnitine palmitoyltransferase II	Yes	1.00	1.00	0.83	0.01401	Yes	Yes

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205984_at	1393	CRHBP	5	corticotropin releasing hormone binding protein	Yes	1.00	0.84	0.73	0.028462	Yes	No
216314_at	167	CRISP1	6	cysteine-rich secretory protein 1	Yes	0.16	0.00	0.00	0.015642	No	No
202226_s_at	1398	CRK	17	v-crk sarcoma virus CT10 oncogene homolog (avian)	Yes	0.32	0.28	0.08	0.047487	Yes	Yes
216801_at	9696	CROCC	1	ciliary rootlet coiled-coil, rootletin	Yes	0.58	0.14	0.18	0.021336	No	No
201161_s_at	8531	CSDA	12	cold shock domain protein A	Yes	0.53	0.54	0.18	0.015698	Yes	Yes
212073_at	1457	CSNK2A1	20	casein kinase 2, alpha 1 polypeptide	Yes	0.79	0.60	0.28	0.002064	Yes	Yes
213979_s_at	1487	CTBP1	4	C-terminal binding protein 1	Yes	0.89	0.84	0.58	0.005227	Yes	Yes
201218_at	1488	CTBP2	10	C-terminal binding protein 2	Yes	1.00	1.00	0.90	0.034017	Yes	Yes
214377_s_at	1506	CTRL	16	chymotrypsin-like	NA	0.74	0.32	0.20	0.003126	NA	NA
210042_s_at	1522	CTSZ	20	cathepsin Z	Yes	1.00	0.53	0.58	0.028595	Yes	Yes
218002_s_at	9547	CXCL14	5	chemokine (C-X-C motif) ligand 14	Yes	0.42	0.70	0.23	0.047108	Yes	Yes
212977_at	57007	CXCR7	2	chemokine (C-X-C motif) receptor 7	NA	0.74	0.95	0.53	0.023796	NA	NA
217206_at	360155	CYCSP52	1	cytochrome c, somatic pseudogene 52	Yes	0.26	0.11	0.03	0.020309	No	No
207780_at	1539	CYLC2	9	cylicin, basic protein of sperm head cytoskeleton 2	Yes	0.32	0.07	0.05	0.006301	No	No
205471_s_at	1602	DACH1	13	dachshund homolog 1 (Drosophila)	Yes	0.89	0.82	0.38	0.00018	Yes	Yes
213873_at	131566	DCBLD2	3	discoidin, CUB and LCCL domain containing 2	Yes	0.47	0.09	0.08	0.002242	Yes	Yes
222101_s_at	8642	DCHS1	11	dachsous 1 (Drosophila)	Yes	0.89	0.88	0.65	0.016292	Yes	Yes
208151_x_at	10521	DDX17	22	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	NA	0.84	0.91	0.58	0.008295	NA	NA
215058_at	160518	DENND5B	12	DENN/MADD domain containing 5B	NA	1.00	0.74	0.53	0.002283	NA	NA
219641_at	55070	DET1	15	de-etiolated homolog 1 (Arabidopsis)	Yes	0.79	0.84	0.50	0.023382	No	No
203277_at	1676	DFFA	1	DNA fragmentation factor, 45kDa, alpha polypeptide	Yes	0.79	0.70	0.48	0.01215	Yes	Yes
203816_at	1716	DGUOK	2	deoxyguanosine kinase	Yes	0.47	0.65	0.15	0.005048	Yes	Yes
218547_at	79947	DHDDS	1	dehydrodolichyl diphosphate synthase	Yes	0.89	0.70	0.50	0.006562	Yes	Yes
213631_x_at	1723	DHODH	16	dihydroorotate dehydrogenase	Yes	1.00	0.65	0.60	0.023754	Yes	Yes
212649_at	54505	DHX29	5	DEAH (Asp-Glu-Ala-His) box polypeptide 29	Yes	0.95	0.98	0.48	5.66E-06	Yes	Yes
215506_s_at	9077	DIRAS3	1	DIRAS family, GTP-binding RAS-like 3	Yes	1.00	0.89	0.75	0.030418	Yes	Yes
220512_at	10395	DLC1	8	deleted in liver cancer 1	Yes	0.95	0.70	0.60	0.037896	No	No
202570_s_at	22839	DLGAP4	20	discs, large (Drosophila) homolog-associated protein 4	Yes	0.26	0.53	0.08	0.031927	No	No
202572_s_at	22839	DLGAP4	20	discs, large (Drosophila) homolog-associated protein 4	Yes	0.95	0.72	0.60	0.015244	No	No
202867_s_at	54788	DNAJB12	10	DnaJ (Hsp40) homolog, subfamily B, member 12	Yes	0.95	0.91	0.68	0.006624	Yes	Yes

Supplemental Table I

ProbeSet	Entrez	Symbol	Chr	Gene name	Gene in NCBI dataset	Proportion Present Normal	Proportion Present Pre-neoplastic	Proportion Present Neoplastic	q-value	CpG islands (Takai & Jones)	CpG islands (Gardiner-Garden & Frommer)
212817_at	25822	DNAJB5	9	DnaJ (Hsp40) homolog, subfamily B, member 5	NA	0.68	0.44	0.23	0.00832	NA	NA
215792_s_at	55735	DNAJC11	1	DnaJ (Hsp40) homolog, subfamily C, member 11	NA	0.89	0.77	0.40	8.46E-05	NA	NA
208499_s_at	5611	DNAJC3	13	DnaJ (Hsp40) homolog, subfamily C, member 3	Yes	0.95	0.32	0.40	0.00999	Yes	Yes
215135_at	23549	DNPEP	2	aspartyl aminopeptidase	Yes	0.26	0.32	0.00	0.023962	Yes	Yes
203187_at	1793	DOCK1	10	dedicator of cytokinesis 1	Yes	0.74	0.70	0.40	0.048207	No	No
202632_at	1801	DPH1	17	DPH1 homolog (S. cerevisiae)	NA	1.00	0.96	0.83	0.02815	NA	NA
209391_at	8818	DPM2	9	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit	Yes	1.00	0.84	0.70	0.011522	Yes	Yes
2028_s_at	1869	E2F1	20	E2F transcription factor 1	Yes	0.26	0.07	0.00	0.004094	Yes	Yes
201749_at	1889	ECE1	1	endothelin converting enzyme 1	Yes	0.95	0.86	0.63	0.016796	Yes	Yes
209365_s_at	1893	ECM1	1	extracellular matrix protein 1	Yes	1.00	1.00	0.55	2.93E-06	No	Yes
204840_s_at	8411	EEA1	12	early endosome antigen 1	Yes	0.89	0.77	0.40	0.000381	Yes	Yes
220591_s_at	80258	EFHC2	X	EF-hand domain (C-terminal) containing 2	Yes	0.79	0.44	0.38	0.014407	Yes	Yes
209343_at	80303	EFHD1	2	EF-hand domain family, member D1	Yes	0.84	0.81	0.40	0.001146	Yes	Yes
202669_s_at	1948	EFNB2	13	ephrin-B2	Yes	0.79	0.60	0.38	0.003477	Yes	Yes
212650_at	23301	EHBP1	2	EH domain binding protein 1	Yes	0.89	0.77	0.58	0.016599	Yes	Yes
211501_s_at	8662	EIF3B	7	eukaryotic translation initiation factor 3, subunit B	NA	0.95	0.51	0.45	0.005914	NA	NA
215190_at	10480	EIF3M	11	eukaryotic translation initiation factor 3, subunit M	NA	0.89	0.65	0.58	0.047108	NA	NA
201026_at	9669	EIF5B	2	eukaryotic translation initiation factor 5B	Yes	1.00	0.82	0.45	2.75E-05	Yes	Yes
210827_s_at	1999	ELF3	1	E74-like factor 3 (ets domain transcription factor, epithelial-specific)	Yes	1.00	0.89	0.78	0.03566	No	No
203617_x_at	2002	ELK1	X	ELK1, member of ETS oncogene family	Yes	0.58	0.25	0.10	0.002255	Yes	Yes
206919_at	2005	ELK4	1	ELK4, ETS-domain protein (SRF accessory protein 1)	Yes	0.63	0.14	0.23	0.013294	Yes	Yes
214153_at	60481	ELOVL5	6	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	Yes	0.95	0.75	0.35	1.91E-05	Yes	Yes
204398_s_at	24139	EML2	19	echinoderm microtubule associated protein like 2	Yes	0.32	0.33	0.08	0.028283	Yes	Yes
204975_at	2013	EMP2	16	epithelial membrane protein 2	Yes	0.53	0.30	0.18	0.02008	Yes	Yes
201340_s_at	8507	ENC1	5	ectodermal-neural cortex (with BTB-like domain)	Yes	0.32	0.09	0.05	0.027432	Yes	Yes
204077_x_at	9583	ENTPD4	8	ectonucleoside triphosphate diphosphohydrolase 4	Yes	0.21	0.04	0.03	0.037754	No	Yes

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220153_at	57089	ENTPD7	10	ectonucleoside triphosphate diphosphohydrolase 7	Yes	0.16	0.02	0.00	0.016713	Yes	Yes
204505_s_at	2039	EPB49	8	erythrocyte membrane protein band 4.9 (dematin)	Yes	0.89	0.82	0.50	0.003247	No	Yes
202894_at	2050	EPHB4	7	EPH receptor B4	Yes	0.84	0.58	0.40	0.006046	Yes	Yes
207257_at	2056	EPO	7	erythropoietin	Yes	0.47	0.23	0.08	0.00552	Yes	Yes
37986_at	2057	EPOR	19	erythropoietin receptor	Yes	0.95	0.79	0.55	0.00791	Yes	Yes
218180_s_at	64787	EPS8L2	11	EPS8-like 2	Yes	0.95	0.72	0.63	0.030498	Yes	Yes
220012_at	56605	ERO1LB	1	ERO1-like beta (S. cerevisiae)	Yes	0.58	0.21	0.18	0.009283	Yes	Yes
208297_s_at	7813	EVI5	1	ecotropic viral integration site 5	Yes	0.68	0.28	0.20	0.012637	No	No
58696_at	54512	EXOSC4	8	exosome component 4	Yes	0.74	0.40	0.20	0.000864	Yes	Yes
221533_at	26355	FAM162A	3	family with sequence similarity 162, member A	NA	0.37	0.04	0.05	0.021117	NA	NA
212017_at	130074	FAM168B	2	family with sequence similarity 168, member B	NA	0.74	0.54	0.35	0.032585	NA	NA
201910_at	10160	FARP1	13	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)	NA	1.00	0.82	0.73	0.023381	NA	NA
204282_s_at	10667	FARS2	6	phenylalanyl-tRNA synthetase 2, mitochondrial	Yes	0.95	0.77	0.70	0.038043	Yes	Yes
202159_at	2193	FARSA	19	phenylalanyl-tRNA synthetase, alpha subunit	NA	0.89	0.11	0.23	0.000321	NA	NA
216602_s_at	2193	FARSA	19	phenylalanyl-tRNA synthetase, alpha subunit	NA	0.42	0.04	0.05	0.001211	NA	NA
218255_s_at	64319	FBRS	16	fibrosin	NA	0.42	0.46	0.20	0.046958	NA	NA
207804_s_at	2220	FCN2	9	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)	Yes	1.00	0.93	0.78	0.02545	No	No
205866_at	8547	FCN3	1	ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)	Yes	1.00	0.86	0.70	0.014237	No	Yes
203115_at	2235	FECH	18	ferrochelatase (protoporphyria)	Yes	0.53	0.14	0.15	0.022724	Yes	Yes
214212_x_at	10979	FERMT2	14	fermitin family homolog 2 (Drosophila)	NA	1.00	0.96	0.88	0.045297	NA	NA
215602_at	221472	FGD2	6	FYVE, RhoGEF and PH domain containing 2	Yes	0.37	0.26	0.05	0.047662	No	No
204422_s_at	2247	FGF2	4	fibroblast growth factor 2 (basic)	Yes	0.79	0.51	0.40	0.027978	Yes	Yes
210311_at	2250	FGF5	4	fibroblast growth factor 5	Yes	0.21	0.07	0.00	0.024182	Yes	Yes
202041_s_at	9158	FIBP	11	fibroblast growth factor (acidic) intracellular binding protein	NA	1.00	0.88	0.80	0.042706	NA	NA
200894_s_at	2288	FKBP4	12	FK506 binding protein 4, 59kDa	Yes	1.00	0.65	0.63	0.025613	Yes	Yes
220719_at	80079	FLJ13769	12	hypothetical protein FLJ13769	NA	0.68	0.40	0.20	0.002255	NA	NA
220838_at	54932	FLJ20433	9	hypothetical protein FLJ20433	Yes	0.26	0.40	0.03	0.027616	Yes	Yes
218843_at	64838	FNDC4	2	fibronectin type III domain containing 4	Yes	0.74	0.21	0.08	1.12E-05	No	No

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204667_at	3169	FOXA1	14	forkhead box A1	Yes	1.00	0.35	0.48	0.024223	Yes	Yes
205119_s_at	2357	FPR1	19	formyl peptide receptor 1	Yes	0.84	0.84	0.60	0.034507	No	No
218103_at	117246	FTSJ3	17	FtsJ homolog 3 (E. coli)	Yes	0.95	0.81	0.65	0.031185	Yes	Yes
201945_at	5045	FURIN	15	furin (paired basic amino acid cleaving enzyme)	Yes	0.89	0.75	0.60	0.041723	No	No
207434_s_at	486	FXYD2	11	FXYD domain containing ion transport regulator 2	Yes	1.00	1.00	0.88	0.029437	No	No
202488_s_at	5349	FXYD3	19	FXYD domain containing ion transport regulator 3	Yes	0.89	0.46	0.40	0.012637	No	No
221453_at	57818	G6PC2	2	glucose-6-phosphatase, catalytic, 2	Yes	0.63	0.37	0.20	0.013482	No	No
202812_at	2548	GAA	17	glucosidase, alpha; acid	Yes	1.00	0.96	0.80	0.011606	Yes	Yes
204121_at	10912	GADD45G	9	growth arrest and DNA-damage-inducible, gamma	Yes	0.84	0.89	0.60	0.041647	Yes	Yes
212891_s_at	90480	GADD45GIP1	19	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Yes	0.95	0.70	0.63	0.047859	Yes	Yes
205354_at	2593	GAMT	19	guanidinoacetate N-methyltransferase	Yes	1.00	1.00	0.88	0.037847	Yes	Yes
215162_at	253959	GARNL1	14	GTPase activating Rap/RanGAP domain-like 1	Yes	0.58	0.28	0.23	0.036727	Yes	Yes
31874_at	10634	GAS2L1	22	growth arrest-specific 2 like 1	Yes	0.84	0.60	0.45	0.035218	Yes	Yes
218131_s_at	54815	GATAD2A	19	GATA zinc finger domain containing 2A	Yes	0.79	0.67	0.28	0.000373	No	Yes
203500_at	2639	GCDH	19	glutaryl-Coenzyme A dehydrogenase	Yes	0.74	0.44	0.38	0.030813	Yes	Yes
206867_at	2646	GCKR	2	glucokinase (hexokinase 4) regulator	Yes	1.00	1.00	0.88	0.015496	Yes	Yes
210627_s_at	7841	GCS1	2	glucosidase I	Yes	0.68	0.09	0.05	1.79E-05	Yes	Yes
221028_s_at	81577	GFOD2	16	glucose-fructose oxidoreductase domain containing 2	Yes	0.37	0.19	0.05	0.016238	Yes	Yes
202721_s_at	2673	GFPT1	2	glutamine-fructose-6-phosphate transaminase 1	Yes	0.79	0.16	0.10	1.48E-05	Yes	Yes
217560_at	26088	GGA1	22	golgi associated, gamma adaptin ear containing, ARF binding protein 1	Yes	0.84	0.19	0.33	0.010367	Yes	Yes
214189_s_at	23062	GGA2	16	golgi associated, gamma adaptin ear containing, ARF binding protein 2	Yes	0.16	0.00	0.00	0.020098	Yes	Yes
208284_x_at	2678	GGT1	22	gamma-glutamyltransferase 1	Yes	1.00	1.00	0.88	0.018759	No	No
209919_x_at	2678	GGT1	22	gamma-glutamyltransferase 1	Yes	1.00	1.00	0.85	0.016151	No	No
211417_x_at	2678	GGT1	22	gamma-glutamyltransferase 1	Yes	1.00	1.00	0.80	0.003874	No	No
213552_at	26035	GLCE	15	glucuronic acid epimerase	Yes	0.95	0.81	0.58	0.014172	Yes	Yes
204875_s_at	2762	GMDS	6	GDP-mannose 4,6-dehydratase	Yes	1.00	0.70	0.68	0.019177	Yes	Yes
218070_s_at	29926	GMPPA	2	GDP-mannose pyrophosphorylase A	Yes	1.00	0.56	0.45	0.001176	Yes	Yes
219920_s_at	29925	GMPPB	3	GDP-mannose pyrophosphorylase B	NA	0.95	0.46	0.30	4.80E-05	NA	NA
213944_x_at	2767	GNA11	19	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	Yes	0.89	0.86	0.60	0.013498	Yes	Yes

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205010_at	54552	GNL3L	X	guanine nucleotide binding protein-like 3 (nucleolar)-like	Yes	0.95	0.68	0.43	0.002051	Yes	Yes
46947_at	54552	GNL3L	X	guanine nucleotide binding protein-like 3 (nucleolar)-like	Yes	0.79	0.23	0.30	0.010226	Yes	Yes
35436_at	2801	GOLGA2	9	golgi autoantigen, golgin subfamily a, 2	Yes	0.84	0.84	0.65	0.030066	Yes	Yes
202106_at	2802	GOLGA3	12	golgi autoantigen, golgin subfamily a, 3	Yes	0.89	0.68	0.40	0.002156	Yes	Yes
204324_s_at	27333	GOLIM4	3	golgi integral membrane protein 4	NA	0.79	0.56	0.23	0.00023	NA	NA
202756_s_at	2817	GPC1	2	glypican 1	Yes	0.53	0.75	0.33	0.029088	Yes	Yes
210640_s_at	2852	GPER	7	G protein-coupled estrogen receptor 1	NA	0.74	0.04	0.20	0.00303	NA	NA
219898_at	54329	GPR85	7	G protein-coupled receptor 85	Yes	0.21	0.02	0.03	0.047108	No	No
217782_s_at	2873	GPS1	17	G protein pathway suppressor 1	Yes	1.00	0.56	0.53	0.029632	Yes	Yes
220794_at	64388	GREM2	1	gremlin 2, cysteine knot superfamily, homolog (Xenopus laevis)	Yes	0.47	0.53	0.10	0.003874	Yes	Yes
202044_at	2909	GRLF1	19	glucocorticoid receptor DNA binding factor 1	Yes	0.58	0.14	0.10	0.000425	No	Yes
218154_at	79792	GSDMD	8	gasdermin D	NA	0.95	0.60	0.55	0.027645	NA	NA
209945_s_at	2932	GSK3B	3	glycogen synthase kinase 3 beta	Yes	1.00	0.98	0.83	0.017672	Yes	Yes
205541_s_at	23708	GSPT2	X	G1 to S phase transition 2	Yes	1.00	0.96	0.78	0.011118	Yes	Yes
210963_s_at	8908	GYG2	X	glycogenin 2	Yes	0.32	0.02	0.05	0.022908	Yes	Yes
210964_s_at	8908	GYG2	X	glycogenin 2	Yes	0.74	0.09	0.15	0.000475	Yes	Yes
208630_at	3030	HADHA	2	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	Yes	0.95	0.98	0.75	0.002723	Yes	Yes
216063_at	3044	HBBP1	11	hemoglobin, beta pseudogene 1	Yes	0.42	0.18	0.13	0.023962	No	No
210331_at	23072	HECW1	7	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	Yes	0.37	0.02	0.03	0.000688	Yes	Yes
203674_at	9931	HELZ	17	helicase with zinc finger	Yes	0.63	0.79	0.38	0.02755	Yes	Yes
52159_at	51409	HEMK1	3	HemK methyltransferase family member 1	Yes	1.00	0.67	0.63	0.018865	Yes	Yes
212596_s_at	10042	HMG2L1	22	high-mobility group protein 2-like 1	Yes	1.00	1.00	0.95	0.040984	Yes	Yes
203665_at	3162	HMOX1	22	heme oxygenase (decycling) 1	Yes	1.00	0.93	0.68	0.001621	Yes	Yes
212109_at	90861	HN1L	16	hematological and neurological expressed 1-like	NA	0.95	0.79	0.43	8.21E-05	NA	NA
210515_at	6927	HNF1A	12	HNF1 homeobox A	NA	0.95	0.05	0.35	0.006624	NA	NA
216930_at	6927	HNF1A	12	HNF1 homeobox A	NA	0.37	0.00	0.05	0.006016	NA	NA
214918_at	4670	HNRNPM	19	heterogeneous nuclear ribonucleoprotein M	NA	0.95	0.56	0.38	0.003365	NA	NA
66053_at	221092	HNRNPUL2	11	heterogeneous nuclear ribonucleoprotein U-like 2	NA	0.26	0.12	0.03	0.03686	NA	NA
205462_s_at	3241	HPCAL1	2	hippocalcin-like 1	Yes	0.32	0.40	0.10	0.043492	Yes	Yes
213926_s_at	3267	HRB	2	HIV-1 Rev binding protein	Yes	0.74	0.75	0.50	0.038733	Yes	Yes

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221169_s_at	59340	HRH4	18	histamine receptor H4	Yes	0.32	0.07	0.08	0.04004	No	No
221062_at	9953	HS3ST3B1	17	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	Yes	0.21	0.04	0.00	0.026585	Yes	Yes
215436_at	84263	HSDL2	9	hydroxysteroid dehydrogenase like 2	Yes	1.00	0.81	0.68	0.027616	Yes	Yes
216450_x_at	7184	HSP90B1	12	heat shock protein 90kDa beta (Grp94), member 1	Yes	0.95	0.95	0.73	0.010606	Yes	Yes
211152_s_at	27429	HTRA2	2	HtrA serine peptidase 2	NA	1.00	0.98	0.88	0.038733	NA	NA
202389_s_at	3064	HTT	4	huntingtin	NA	0.21	0.04	0.03	0.046069	NA	NA
215086_at	25998	IBTK	6	inhibitor of Bruton agammaglobulinemia tyrosine kinase	Yes	0.89	0.70	0.55	0.014718	Yes	Yes
201609_x_at	23463	ICMT	1	isoprenylcysteine carboxyl methyltransferase	Yes	0.84	0.46	0.43	0.030179	Yes	Yes
210045_at	3418	IDH2	15	isocitrate dehydrogenase 2 (NADP+), mitochondrial	Yes	0.74	0.00	0.03	2.10E-07	Yes	Yes
202070_s_at	3419	IDH3A	15	isocitrate dehydrogenase 3 (NAD+) alpha	Yes	0.89	0.72	0.50	0.005686	Yes	Yes
217631_at	91734	IDI2	10	isopentenyl-diphosphate delta isomerase 2	Yes	0.42	0.26	0.08	0.040794	Yes	Yes
211406_at	51124	IER3IP1	18	immediate early response 3 interacting protein 1	Yes	1.00	0.93	0.85	0.048207	Yes	Yes
204786_s_at	3455	IFNAR2	21	interferon (alpha, beta and omega) receptor 2	Yes	0.89	0.86	0.30	5.66E-06	Yes	Yes
61732_r_at	80173	IFT74	9	intraflagellar transport 74 homolog (Chlamydomonas)	Yes	0.95	0.89	0.73	0.033833	Yes	Yes
209542_x_at	3479	IGF1	12	insulin-like growth factor 1 (somatomedin C)	Yes	1.00	0.95	0.58	4.55E-05	No	No
211577_s_at	3479	IGF1	12	insulin-like growth factor 1 (somatomedin C)	Yes	0.95	0.96	0.65	0.001212	No	No
214669_x_at	3514	IGKC	2	immunoglobulin kappa constant	NA	1.00	1.00	0.88	0.04646	NA	NA
212439_at	9807	IHPK1	3	inositol hexaphosphate kinase 1	Yes	0.47	0.02	0.03	0.000542	Yes	Yes
218192_at	51447	IHPK2	3	inositol hexaphosphate kinase 2	Yes	1.00	0.98	0.80	0.007676	Yes	Yes
205707_at	23765	IL17RA	22	interleukin 17 receptor A	Yes	0.37	0.19	0.00	0.001642	Yes	Yes
207526_s_at	9173	IL1RL1	2	interleukin 1 receptor-like 1	Yes	0.63	0.88	0.33	0.004559	No	No
207538_at	3565	IL4	5	interleukin 4	Yes	0.79	0.00	0.00	8.78E-09	No	No
203233_at	3566	IL4R	16	interleukin 4 receptor	Yes	0.89	0.91	0.50	0.0013	Yes	Yes
217489_s_at	3570	IL6R	1	interleukin 6 receptor	Yes	0.16	0.02	0.00	0.016713	Yes	Yes
202993_at	10994	ILVBL	19	ilvB (bacterial acetolactate synthase)-like	NA	1.00	0.93	0.58	8.46E-05	NA	NA
209808_x_at	3621	ING1	13	inhibitor of growth family, member 1	Yes	0.89	0.79	0.53	0.002776	Yes	Yes
205981_s_at	3622	ING2	4	inhibitor of growth family, member 2	Yes	1.00	0.96	0.83	0.030188	Yes	Yes
202809_s_at	65123	INTS3	1	integrator complex subunit 3	Yes	0.84	0.54	0.33	0.000893	Yes	Yes
210114_at	27130	INVS	9	inversin	Yes	1.00	0.82	0.70	0.025316	Yes	Yes

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213446_s_at	8826	IQGAP1	15	IQ motif containing GTPase activating protein 1	Yes	0.95	0.98	0.80	0.032847	Yes	Yes
213817_at	11213	IRAK3	12	interleukin-1 receptor-associated kinase 3	Yes	0.95	0.95	0.73	0.023319	Yes	Yes
209297_at	6453	ITSN1	21	intersectin 1 (SH3 domain protein)	Yes	1.00	0.84	0.68	0.010071	Yes	Yes
203682_s_at	3712	IVD	15	isovaleryl Coenzyme A dehydrogenase	Yes	1.00	0.75	0.48	0.000187	Yes	Yes
201643_x_at	51780	JMJD1B	5	jumonji domain containing 1B	Yes	0.89	0.96	0.68	0.036799	Yes	Yes
212492_s_at	23030	JMJD2B	19	jumonji domain containing 2B	Yes	1.00	0.88	0.68	0.012353	Yes	Yes
212496_s_at	23030	JMJD2B	19	jumonji domain containing 2B	Yes	0.68	0.11	0.08	6.17E-05	Yes	Yes
41386_i_at	23135	JMJD3	17	jumonji domain containing 3, histone lysine demethylase	Yes	1.00	1.00	0.90	0.034017	No	No
220070_at	79831	JMJD5	16	jumonji domain containing 5	Yes	0.74	0.26	0.30	0.009509	Yes	Yes
60528_at	100137047	JMJD7	15	jumonji domain containing 7	NA	1.00	1.00	0.85	0.020384	NA	NA
213281_at	3725	JUN	1	jun oncogene	Yes	0.95	1.00	0.80	0.046377	Yes	Yes
204301_at	9920	KBTBD11	8	kelch repeat and BTB (POZ) domain containing 11	Yes	0.58	0.18	0.08	0.00142	Yes	Yes
211006_s_at	3745	KCNB1	20	potassium voltage-gated channel, Shab-related subfamily, member 1	Yes	0.89	0.49	0.53	0.022197	Yes	Yes
207141_s_at	3760	KCNJ3	2	potassium inwardly-rectifying channel, subfamily J, member 3	Yes	0.37	0.05	0.03	0.005914	Yes	Yes
220116_at	3781	KCNN2	5	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	Yes	1.00	0.18	0.23	5.45E-05	Yes	Yes
212735_at	9711	KIAA0226	3	KIAA0226	Yes	0.84	0.49	0.35	0.003419	Yes	Yes
213242_x_at	283638	KIAA0284	14	KIAA0284	Yes	1.00	0.77	0.75	0.049775	Yes	Yes
202128_at	9870	KIAA0317	14	KIAA0317	Yes	0.89	0.54	0.45	0.007854	No	Yes
204308_s_at	9895	KIAA0329	14	KIAA0329	NA	0.74	0.07	0.15	0.001886	NA	NA
214897_at	57239	KIAA0506	NA	hypothetical LOC57239	NA	0.26	0.04	0.03	0.024182	NA	NA
203364_s_at	9776	KIAA0652	11	KIAA0652	Yes	0.95	0.91	0.80	0.031006	Yes	Yes
202962_at	23303	KIF13B	8	kinesin family member 13B	Yes	0.89	0.32	0.43	0.032847	Yes	Yes
220374_at	54813	KLHL28	14	kelch-like 28 (Drosophila)	NA	0.16	0.04	0.00	0.027989	NA	NA
220682_s_at	51088	KLHL5	4	kelch-like 5 (Drosophila)	Yes	0.26	0.00	0.00	0.001421	Yes	Yes
202056_at	3836	KPNA1	3	karyopherin alpha 1 (importin alpha 5)	Yes	1.00	0.84	0.78	0.038043	Yes	Yes
212101_at	23633	KPNA6	1	karyopherin alpha 6 (importin alpha 7)	Yes	0.84	0.93	0.55	0.000934	Yes	Yes
212103_at	23633	KPNA6	1	karyopherin alpha 6 (importin alpha 7)	Yes	0.68	0.18	0.08	0.000146	Yes	Yes
207908_at	3849	KRT2	12	keratin 2	Yes	0.37	0.02	0.03	0.002665	No	Yes
219061_s_at	8270	LAGE3	X	L antigen family, member 3	Yes	0.84	0.61	0.50	0.021252	Yes	Yes
211651_s_at	3912	LAMB1	7	laminin, beta 1	Yes	1.00	0.98	0.85	0.021117	Yes	Yes
216264_s_at	3913	LAMB2	3	laminin, beta 2 (laminin S)	Yes	1.00	0.93	0.80	0.012543	No	Yes
204428_s_at	3931	LCAT	16	lecithin-cholesterol acyltransferase	Yes	0.79	0.54	0.08	2.97E-06	No	Yes
202067_s_at	3949	LDLR	19	low density lipoprotein receptor	Yes	0.74	0.68	0.38	0.009611	Yes	Yes

Supplemental Table I

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217173_s_at	3949	LDLR	19	low density lipoprotein receptor	Yes	0.37	0.60	0.13	0.034507	Yes	Yes
222006_at	3954	LETM1	4	leucine zipper-EF-hand containing transmembrane protein 1	Yes	0.84	0.14	0.30	0.006464	Yes	Yes
220158_at	56891	LGALS14	19	lectin, galactoside-binding, soluble, 14	Yes	0.84	0.32	0.35	0.020098	No	No
205876_at	3977	LIFR	5	leukemia inhibitory factor receptor alpha	Yes	1.00	1.00	0.85	0.016151	No	Yes
207857_at	11027	LILRA2	19	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	Yes	0.84	0.40	0.38	0.020098	No	No
212328_at	22998	LIMCH1	4	LIM and calponin homology domains 1	NA	1.00	1.00	0.83	0.021117	NA	NA
213855_s_at	3991	LIPE	19	lipase, hormone-sensitive	Yes	0.26	0.07	0.00	0.006016	No	No
203713_s_at	3993	LLGL2	17	lethal giant larvae homolog 2 (Drosophila)	Yes	1.00	0.74	0.48	0.000511	Yes	Yes
209204_at	8543	LMO4	1	LIM domain only 4	Yes	0.53	0.21	0.08	0.006595	Yes	Yes
216823_at	146053	LOC146053	15	similar to 40S ribosomal protein S3a	Yes	0.95	0.84	0.63	0.013611	No	Yes
215283_at	400642	LOC400642	18	hypothetical LOC400642	NA	0.84	0.39	0.43	0.045478	NA	NA
208154_at	51336	LOC51336	1	mesenchymal stem cell protein DSCD28	NA	0.68	0.40	0.25	0.00892	NA	NA
217520_x_at	731884	LOC731884	15	similar to programmed cell death 6 interacting protein	NA	0.42	0.12	0.13	0.037826	NA	NA
209017_s_at	9361	LONP1	19	lon peptidase 1, mitochondrial	NA	1.00	1.00	0.83	0.01401	NA	NA
202793_at	10162	LPCAT3	12	lysophosphatidylcholine acyltransferase 3	NA	0.95	0.51	0.53	0.016713	NA	NA
212272_at	23175	LPIN1	2	lipin 1	Yes	0.32	0.11	0.03	0.015244	Yes	Yes
214739_at	84859	LRCH3	3	leucine-rich repeats and calponin homology (CH) domain containing 3	Yes	1.00	0.88	0.78	0.034767	Yes	Yes
211596_s_at	26018	LRIG1	3	leucine-rich repeats and immunoglobulin-like domains 1	NA	0.95	0.82	0.73	0.020028	NA	NA
205282_at	7804	LRP8	1	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	Yes	1.00	0.74	0.65	0.028045	Yes	Yes
210628_x_at	8425	LTBP4	19	latent transforming growth factor beta binding protein 4	Yes	0.32	0.60	0.13	0.035758	No	No
219059_s_at	10894	LYVE1	11	lymphatic vessel endothelial hyaluronan receptor 1	NA	0.79	0.51	0.30	0.009025	NA	NA
38398_at	8567	MADD	11	MAP-kinase activating death domain	Yes	0.37	0.11	0.08	0.023701	Yes	Yes
203668_at	4123	MAN2C1	15	mannosidase, alpha, class 2C, member 1	Yes	1.00	0.77	0.63	0.004857	Yes	Yes
215498_s_at	5606	MAP2K3	17	mitogen-activated protein kinase kinase 3	Yes	1.00	0.96	0.85	0.03737	Yes	Yes
215499_at	5606	MAP2K3	17	mitogen-activated protein kinase kinase 3	Yes	0.63	0.61	0.23	0.002955	Yes	Yes
203514_at	4215	MAP3K3	17	mitogen-activated protein kinase kinase kinase 3	Yes	0.89	0.44	0.23	3.76E-05	Yes	Yes
203836_s_at	4217	MAP3K5	6	mitogen-activated protein kinase kinase kinase 5	Yes	1.00	0.91	0.73	0.003422	Yes	Yes
212871_at	8550	MAPKAPK5	12	mitogen-activated protein kinase-activated protein kinase 5	NA	0.79	0.51	0.38	0.013735	NA	NA

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202568_s_at	4140	MARK3	14	MAP/microtubule affinity-regulating kinase 3	Yes	0.89	0.95	0.70	0.048948	Yes	Yes
210136_at	4155	MBP	18	myelin basic protein	Yes	0.79	0.96	0.55	0.003447	Yes	Yes
214056_at	4170	MCL1	1	myeloid cell leukemia sequence 1 (BCL2-related)	Yes	0.53	0.75	0.10	0.000825	Yes	Yes
212269_s_at	8888	MCM3AP	21	minichromosome maintenance complex component 3 associated protein	NA	0.37	0.21	0.05	0.018865	NA	NA
212831_at	1955	MEGF9	9	multiple EGF-like-domains 9	Yes	0.89	0.51	0.50	0.049937	Yes	Yes
213457_at	9258	MFHAS1	8	malignant fibrous histiocytoma amplified sequence 1	Yes	0.89	0.49	0.38	0.003597	Yes	Yes
221192_x_at	79157	MFSD11	17	major facilitator superfamily domain containing 11	NA	0.84	0.74	0.50	0.040565	NA	NA
44822_s_at	54531	MIER2	19	mesoderm induction early response 1, family member 2	NA	0.79	0.42	0.38	0.028462	NA	NA
215909_x_at	50488	MINK1	17	misshapen-like kinase 1 (zebrafish)	Yes	0.53	0.12	0.18	0.035096	Yes	Yes
36830_at	4285	MIPEP	13	mitochondrial intermediate peptidase	Yes	1.00	0.77	0.60	0.005429	No	No
212076_at	4297	MLL	11	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	Yes	0.63	0.68	0.43	0.042684	Yes	Yes
210752_s_at	6945	MLX	17	MAX-like protein X	Yes	1.00	0.75	0.70	0.036512	Yes	Yes
211774_s_at	25974	MMACHC	1	methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria	NA	1.00	0.53	0.55	0.011358	NA	NA
160020_at	4323	MMP14	14	matrix metallopeptidase 14 (membrane-inserted)	Yes		0.95	0.75	0.00142	Yes	Yes
203644_s_at	22879	MON1B	16	MON1 homolog B (yeast)	Yes	0.63	0.04	0.08	8.43E-05	Yes	Yes
203686_at	4350	MPG	16	N-methylpurine-DNA glycosylase	Yes	1.00	0.65	0.63	0.0441	No	Yes
202472_at	4351	MPI	15	mannose phosphate isomerase	Yes	0.58	0.16	0.15	0.020668	Yes	Yes
218270_at	79590	MRPL24	1	mitochondrial ribosomal protein L24	Yes	1.00	0.44	0.40	0.007432	Yes	Yes
221997_s_at	122704	MRPL52	14	mitochondrial ribosomal protein L52	Yes	0.42	0.35	0.08	0.012601	Yes	Yes
218001_at	51116	MRPS2	9	mitochondrial ribosomal protein S2	NA	0.95	0.95	0.73	0.018801	NA	NA
220688_s_at	51154	MRTO4	1	mRNA turnover 4 homolog (S. cerevisiae)	NA	0.47	0.53	0.15	0.01369	NA	NA
210947_s_at	4437	MSH3	5	mutS homolog 3 (E. coli)	NA	1.00	0.98	0.80	0.029528	NA	NA
210472_at	4495	MT1G	16	metallothionein 1G	Yes	0.42	0.14	0.08	0.011167	Yes	Yes
212767_at	92170	MTG1	10	mitochondrial GTPase 1 homolog (S. cerevisiae)	Yes	0.79	0.35	0.33	0.015415	Yes	Yes
202197_at	8897	MTMR3	22	myotubularin related protein 3	Yes	0.95	0.79	0.53	0.005252	Yes	Yes
219796_s_at	53841	MUPCDH	11	mucin-like protocadherin	NA	0.89	0.63	0.45	0.009251	NA	NA
203027_s_at	4597	MVD	16	mevalonate (diphospho) decarboxylase	Yes	0.32	0.02	0.03	0.008413	Yes	Yes
204056_s_at	4598	MVK	12	mevalonate kinase	Yes	0.47	0.18	0.15	0.034406	Yes	Yes
201959_s_at	23077	MYCBP2	13	MYC binding protein 2	Yes	0.53	0.60	0.23	0.032471	Yes	Yes
205144_at	4636	MYL5	4	myosin, light chain 5, regulatory	Yes	0.42	0.00	0.05	0.001882	No	Yes

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201976_s_at	4651	MYO10	5	myosin X	Yes	1.00	1.00	0.88	0.018759	Yes	Yes
215074_at	4430	MYO1B	2	myosin IB	Yes	0.95	0.49	0.50	0.016151	Yes	Yes
203215_s_at	4646	MYO6	6	myosin VI	Yes	0.37	0.67	0.18	0.049009	Yes	Yes
33197_at	4647	MYO7A	11	myosin VIIA	Yes	1.00	0.70	0.63	0.014875	No	No
207588_at	NA	NA	NA	NA	NA	0.16	0.00	0.03	0.040429	NA	NA
207730_x_at	NA	NA	NA	NA	NA	0.95	0.98	0.80	0.037924	NA	NA
210848_at	NA	NA	NA	NA	NA	0.21	0.07	0.00	0.024182	NA	NA
212528_at	NA	NA	NA	NA	NA	1.00	0.89	0.70	0.010364	NA	NA
213396_s_at	NA	NA	NA	NA	NA	0.63	0.84	0.38	0.007122	NA	NA
213403_at	NA	NA	NA	NA	NA	0.58	0.00	0.10	0.000988	NA	NA
213657_s_at	NA	NA	NA	NA	NA	0.95	0.19	0.30	0.000816	NA	NA
213813_x_at	NA	NA	NA	NA	NA	1.00	1.00	0.78	0.000982	NA	NA
213848_at	NA	NA	NA	NA	NA	0.84	0.46	0.25	0.000413	NA	NA
214967_at	NA	NA	NA	NA	NA	0.42	0.49	0.13	0.01344	NA	NA
215185_at	NA	NA	NA	NA	NA	0.47	0.09	0.10	0.00791	NA	NA
215221_at	NA	NA	NA	NA	NA	0.95	0.81	0.53	0.000401	NA	NA
215284_at	NA	NA	NA	NA	NA	0.74	0.75	0.43	0.016456	NA	NA
215385_at	NA	NA	NA	NA	NA	0.84	0.82	0.50	0.004722	NA	NA
215439_x_at	NA	NA	NA	NA	NA	0.63	0.65	0.25	0.024747	NA	NA
215578_at	NA	NA	NA	NA	NA	1.00	0.91	0.50	3.63E-05	NA	NA
215604_x_at	NA	NA	NA	NA	NA	1.00	0.93	0.83	0.027655	NA	NA
215651_at	NA	NA	NA	NA	NA	0.47	0.44	0.10	0.007865	NA	NA
215755_at	NA	NA	NA	NA	NA	0.32	0.11	0.05	0.023754	NA	NA
215768_at	NA	NA	NA	NA	NA	1.00	0.88	0.73	0.013199	NA	NA
216006_at	NA	NA	NA	NA	NA	0.79	0.72	0.43	0.009611	NA	NA
216065_at	NA	NA	NA	NA	NA	0.53	0.28	0.15	0.023984	NA	NA
216101_at	NA	NA	NA	NA	NA	0.32	0.28	0.08	0.047487	NA	NA
216121_at	NA	NA	NA	NA	NA	0.79	0.04	0.08	1.38E-05	NA	NA
216152_at	NA	NA	NA	NA	NA	0.26	0.05	0.03	0.029008	NA	NA
216173_at	NA	NA	NA	NA	NA	0.84	0.54	0.50	0.040705	NA	NA
216259_at	NA	NA	NA	NA	NA	0.58	0.26	0.13	0.008252	NA	NA
216376_x_at	NA	NA	NA	NA	NA	0.58	0.07	0.03	0.000202	NA	NA
216499_at	NA	NA	NA	NA	NA	0.84	0.63	0.48	0.029008	NA	NA
216628_at	NA	NA	NA	NA	NA	0.74	0.61	0.35	0.003928	NA	NA
216813_at	NA	NA	NA	NA	NA	1.00	1.00	0.70	0.000201	NA	NA
216859_x_at	NA	NA	NA	NA	NA	0.84	0.89	0.63	0.044592	NA	NA
217052_x_at	NA	NA	NA	NA	NA	1.00	0.70	0.60	0.013226	NA	NA
217166_at	NA	NA	NA	NA	NA	0.63	0.18	0.15	0.003182	NA	NA
217416_x_at	NA	NA	NA	NA	NA	0.37	0.47	0.13	0.041112	NA	NA
217482_at	NA	NA	NA	NA	NA	1.00	0.93	0.60	2.71E-05	NA	NA

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217519_at	NA	NA	NA	NA	NA	0.74	0.47	0.18	0.000688	NA	NA
217554_at	NA	NA	NA	NA	NA	0.79	0.70	0.25	4.21E-05	NA	NA
217625_x_at	NA	NA	NA	NA	NA	0.84	0.58	0.33	0.000379	NA	NA
217637_at	NA	NA	NA	NA	NA	0.47	0.23	0.13	0.01473	NA	NA
217647_at	NA	NA	NA	NA	NA	0.79	0.11	0.05	7.77E-07	NA	NA
217653_x_at	NA	NA	NA	NA	NA	1.00	0.84	0.60	0.000738	NA	NA
217666_at	NA	NA	NA	NA	NA	0.21	0.00	0.03	0.024723	NA	NA
217676_at	NA	NA	NA	NA	NA	0.21	0.00	0.03	0.038536	NA	NA
217682_at	NA	NA	NA	NA	NA	0.74	0.68	0.28	0.005514	NA	NA
217697_at	NA	NA	NA	NA	NA	0.16	0.09	0.00	0.044696	NA	NA
217703_x_at	NA	NA	NA	NA	NA	1.00	0.88	0.58	0.000743	NA	NA
220855_at	NA	NA	NA	NA	NA	0.26	0.00	0.03	0.01014	NA	NA
220898_at	NA	NA	NA	NA	NA	0.74	0.58	0.38	0.031892	NA	NA
221155_x_at	NA	NA	NA	NA	NA	0.53	0.16	0.08	0.000854	NA	NA
221642_at	NA	NA	NA	NA	NA	0.32	0.04	0.03	0.002462	NA	NA
222213_x_at	NA	NA	NA	NA	NA	0.42	0.19	0.08	0.017839	NA	NA
222313_at	NA	NA	NA	NA	NA	0.79	0.84	0.48	0.002577	NA	NA
222330_at	NA	NA	NA	NA	NA	0.84	0.86	0.63	0.020593	NA	NA
81811_at	NA	NA	NA	NA	NA	0.63	0.40	0.28	0.031576	NA	NA
212803_at	4665	NAB2	12	NGFI-A binding protein 2 (EGR1 binding protein 2)	Yes	0.42	0.23	0.08	0.006226	Yes	Yes
213607_x_at	65220	NADK	1	NAD kinase	Yes	1.00	0.65	0.60	0.016318	Yes	Yes
209556_at	23154	NCDN	1	neurochondrin	Yes	0.26	0.05	0.00	0.012678	Yes	Yes
217465_at	10787	NCKAP1	2	NCK-associated protein 1	Yes	1.00	0.95	0.80	0.016805	Yes	Yes
217045_x_at	9436	NCR2	6	natural cytotoxicity triggering receptor 2	Yes	0.68	0.28	0.33	0.046153	No	No
206022_at	4693	NDP	X	Norrie disease (pseudoglioma)	Yes	0.63	0.05	0.18	0.010684	No	No
214095_at	56901	NDUFA4L2	12	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2	NA	0.89	0.44	0.38	0.002051	NA	NA
213328_at	4750	NEK1	4	NIMA (never in mitosis gene a)-related kinase 1	Yes	0.79	0.84	0.58	0.0182	Yes	Yes
218915_at	4771	NF2	22	neurofibromin 2 (merlin)	Yes	0.37	0.19	0.05	0.008809	Yes	Yes
208003_s_at	10725	NFAT5	16	nuclear factor of activated T-cells 5, tonicity-responsive	Yes	0.95	0.95	0.63	0.001	Yes	Yes
210555_s_at	4775	NFATC3	16	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	Yes	1.00	1.00	0.88	0.018759	Yes	Yes
210556_at	4775	NFATC3	16	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	Yes	0.84	0.77	0.43	0.00552	Yes	Yes
211466_at	4781	NFIB	9	nuclear factor I/B	Yes	0.63	0.68	0.30	0.005397	Yes	Yes
213298_at	4782	NFIC	19	nuclear factor I/C (CCAAT-binding transcription factor)	Yes	0.74	0.60	0.33	0.005097	Yes	Yes

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215525_at	79840	NHEJ1	2	nonhomologous end-joining factor 1	Yes	0.63	0.21	0.18	0.008252	Yes	Yes
205851_at	10201	NME6	3	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)	Yes	1.00	0.81	0.73	0.04171	Yes	Yes
218902_at	4851	NOTCH1	9	Notch homolog 1, translocation-associated (Drosophila)	Yes	0.53	0.51	0.28	0.043688	Yes	Yes
213462_at	4862	NPAS2	2	neuronal PAS domain protein 2	Yes	0.26	0.04	0.03	0.028196	Yes	Yes
220106_at	29881	NPC1L1	7	NPC1 (Niemann-Pick disease, type C1, gene)-like 1	Yes	1.00	0.58	0.43	0.003592	No	No
89476_r_at	79716	NPEPL1	20	aminopeptidase-like 1	Yes	0.53	0.37	0.23	0.020098	Yes	Yes
205440_s_at	4886	NPY1R	4	neuropeptide Y receptor Y1	Yes	0.68	0.82	0.40	0.018559	No	Yes
207203_s_at	8856	NR1I2	3	nuclear receptor subfamily 1, group I, member 2	Yes	0.21	0.04	0.03	0.018865	No	No
208388_at	10002	NR2E3	15	nuclear receptor subfamily 2, group E, member 3	Yes	0.16	0.02	0.00	0.040429	No	No
209262_s_at	2063	NR2F6	19	nuclear receptor subfamily 2, group F, member 6	Yes	0.89	0.56	0.40	0.005448	Yes	Yes
205259_at	4306	NR3C2	4	nuclear receptor subfamily 3, group C, member 2	Yes	1.00	0.91	0.78	0.020537	Yes	Yes
211279_at	4899	NRF1	7	nuclear respiratory factor 1	Yes	0.58	0.04	0.20	0.037141	Yes	Yes
210683_at	4902	NRTN	19	neurturin	NA	0.42	0.02	0.05	0.00036	NA	NA
219084_at	64324	NSD1	5	nuclear receptor binding SET domain protein 1	Yes	0.79	0.21	0.20	0.002635	Yes	Yes
222128_at	221078	NSUN6	10	NOL1/NOP2/Sun domain family, member 6	Yes	0.79	0.60	0.38	0.012441	Yes	Yes
218227_at	10101	NUBP2	16	nucleotide binding protein 2 (MinD homolog, E. coli)	Yes	0.79	0.54	0.38	0.007906	Yes	Yes
221579_s_at	11165	NUDT3	6	nudix (nucleoside diphosphate linked moiety X)-type motif 3	Yes	1.00	0.82	0.73	0.03883	Yes	Yes
205134_s_at	26747	NUFIP1	13	nuclear fragile X mental retardation protein interacting protein 1	Yes	0.79	0.75	0.43	0.007854	Yes	Yes
211512_s_at	11054	OGFR	20	opioid growth factor receptor	Yes	0.79	0.19	0.30	0.016548	Yes	Yes
208520_at	26532	OR10H3	19	olfactory receptor, family 10, subfamily H, member 3	Yes	0.79	0.30	0.35	0.042684	No	No
221431_s_at	81797	OR12D3	6	olfactory receptor, family 12, subfamily D, member 3	Yes	0.16	0.00	0.00	0.020098	No	No
221402_at	4992	OR1F1	16	olfactory receptor, family 1, subfamily F, member 1	Yes	0.79	0.18	0.25	0.001918	No	No
216698_x_at	26628	OR7E47P	12	olfactory receptor, family 7, subfamily E, member 47 pseudogene	Yes	0.79	0.26	0.33	0.043063	No	Yes
218811_at	80228	ORAI2	7	ORAI calcium release-activated calcium modulator 2	NA	0.21	0.00	0.00	0.006175	NA	NA

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209485_s_at	114876	OSBPL1A	18	oxysterol binding protein-like 1A	Yes	0.89	0.88	0.50	0.001171	Yes	Yes
209450_at	55644	OSGEP	14	O-sialoglycoprotein endopeptidase	Yes	0.84	0.37	0.20	0.000234	Yes	Yes
220669_at	54726	OTUD4	4	OTU domain containing 4	Yes	0.58	0.11	0.18	0.024044	No	No
214664_at	10606	PAICS	4	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	Yes	0.37	0.02	0.05	0.003991	Yes	Yes
218886_at	55003	PAK1IP1	6	PAK1 interacting protein 1	Yes	0.95	0.33	0.43	0.011167	Yes	Yes
203059_s_at	9060	PAPSS2	10	3'-phosphoadenosine 5'-phosphosulfate synthase 2	Yes	1.00	0.68	0.68	0.043588	Yes	Yes
210094_s_at	56288	PARD3	10	par-3 partitioning defective 3 homolog (C. elegans)	Yes	0.58	0.74	0.23	0.007638	Yes	Yes
205245_at	50855	PARD6A	16	par-6 partitioning defective 6 homolog alpha (C. elegans)	Yes	0.21	0.04	0.00	0.018865	Yes	Yes
204476_s_at	5091	PC	11	pyruvate carboxylase	Yes	1.00	0.42	0.13	1.55E-07	No	No
220186_s_at	54825	PCDH24	5	protocadherin 24	NA	1.00	0.93	0.75	0.008973	NA	NA
219737_s_at	5101	PCDH9	13	protocadherin 9	Yes	0.79	0.96	0.45	0.000724	Yes	Yes
221303_at	29930	PCDHB1	5	protocadherin beta 1	Yes	0.37	0.11	0.03	0.005558	Yes	Yes
215836_s_at	5098	PCDHGC3	5	protocadherin gamma subfamily C, 3	NA	0.74	0.56	0.38	0.02569	NA	NA
209997_x_at	5108	PCM1	8	pericentriolar material 1	Yes	0.63	0.44	0.30	0.034017	Yes	Yes
215175_at	22990	PCNX	14	pecanex homolog (Drosophila)	Yes	1.00	0.91	0.80	0.039909	Yes	Yes
210553_x_at	5046	PCSK6	15	proprotein convertase subtilisin/kexin type 6	Yes	0.37	0.30	0.10	0.041285	Yes	Yes
211262_at	5046	PCSK6	15	proprotein convertase subtilisin/kexin type 6	Yes	0.32	0.00	0.00	0.000727	Yes	Yes
209700_x_at	9659	PDE4DIP	1	phosphodiesterase 4D interacting protein	Yes	0.79	0.28	0.30	0.011558	Yes	Yes
213228_at	8622	PDE8B	5	phosphodiesterase 8B	Yes	0.53	0.53	0.18	0.008384	Yes	Yes
206347_at	5165	PDK3	X	pyruvate dehydrogenase kinase, isozyme 3	Yes	0.16	0.02	0.00	0.028496	Yes	Yes
221957_at	5165	PDK3	X	pyruvate dehydrogenase kinase, isozyme 3	Yes	0.68	0.33	0.25	0.012671	Yes	Yes
204524_at	5170	PDPK1	16	3-phosphoinositide dependent protein kinase-1	Yes	0.63	0.51	0.10	9.97E-05	Yes	Yes
32029_at	5170	PDPK1	16	3-phosphoinositide dependent protein kinase-1	Yes	0.42	0.18	0.08	0.009888	Yes	Yes
209242_at	5178	PEG3	19	paternally expressed 3	NA	1.00	0.98	0.83	0.011807	NA	NA
209243_s_at	5178	PEG3	19	paternally expressed 3	NA	0.95	0.70	0.60	0.023707	NA	NA
202861_at	5187	PER1	17	period homolog 1 (Drosophila)	Yes	0.63	0.82	0.38	0.018759	Yes	Yes
222029_x_at	10471	PFDN6	6	prefoldin subunit 6	Yes	0.79	0.61	0.48	0.03841	Yes	Yes
220944_at	57115	PGLYRP4	1	peptidoglycan recognition protein 4	Yes	0.95	0.30	0.48	0.029008	No	No
209423_s_at	51230	PHF20	20	PHD finger protein 20	Yes	0.89	0.21	0.35	0.011664	No	Yes
219606_at	51105	PHF20L1	8	PHD finger protein 20-like 1	Yes	0.42	0.25	0.10	0.045478	Yes	Yes

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214442_s_at	9063	PIAS2	18	protein inhibitor of activated STAT, 2	Yes	0.16	0.05	0.00	0.042026	Yes	Yes
217620_s_at	5291	PIK3CB	3	phosphoinositide-3-kinase, catalytic, beta polypeptide	Yes	0.68	0.37	0.30	0.031576	No	No
218942_at	79837	PIP4K2C	12	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	NA	0.68	0.63	0.30	0.015629	NA	NA
218644_at	26499	PLEK2	14	pleckstrin 2	Yes	0.89	0.75	0.58	0.008252	Yes	Yes
201411_s_at	55041	PLEKHB2	2	pleckstrin homology domain containing, family B (evectins) member 2	Yes	0.89	0.74	0.55	0.014623	Yes	Yes
212717_at	9842	PLEKHM1	17	pleckstrin homology domain containing, family M (with RUN domain) member 1	Yes	0.63	0.25	0.08	0.000334	Yes	Yes
211014_s_at	5371	PML	15	promyelocytic leukemia	Yes	0.26	0.18	0.03	0.03184	No	Yes
203201_at	5373	PMM2	16	phosphomannomutase 2	Yes	0.95	0.74	0.48	0.0013	Yes	Yes
217343_at	5408	PNLIPRP2	10	pancreatic lipase-related protein 2	Yes	0.16	0.02	0.00	0.02755	No	Yes
220675_s_at	80339	PNPLA3	22	patatin-like phospholipase domain containing 3	Yes	0.53	0.56	0.18	0.01336	Yes	Yes
209578_s_at	23275	POFUT2	21	protein O-fucosyltransferase 2	Yes	0.79	0.82	0.43	0.00552	Yes	Yes
201115_at	5425	POLD2	7	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	Yes	1.00	0.46	0.58	0.030024	Yes	Yes
216175_at	5425	POLD2	7	polymerase (DNA directed), delta 2	Yes	0.79	0.18	0.10	1.79E-05	Yes	Yes
216026_s_at	5426	POLE	12	polymerase (DNA directed), epsilon	Yes	0.47	0.14	0.10	0.018123	Yes	Yes
220113_x_at	84172	POLR1B	2	polymerase (RNA) I polypeptide B, 128kDa	Yes	1.00	0.91	0.75	0.015132	Yes	Yes
202725_at	5430	POLR2A	17	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	Yes	0.58	0.63	0.23	0.014261	Yes	Yes
217610_at	84820	POLR2J4	7	polymerase (RNA) II (DNA directed) polypeptide J4, pseudogene	NA	0.37	0.04	0.00	0.000542	NA	NA
222208_s_at	84820	POLR2J4	7	polymerase (RNA) II (DNA directed) polypeptide J4, pseudogene	NA	0.47	0.39	0.13	0.018865	NA	NA
212178_s_at	9883	POM121	7	POM121 membrane glycoprotein (rat)	Yes	1.00	0.98	0.83	0.017672	Yes	Yes
206870_at	5465	PPARA	22	peroxisome proliferator-activated receptor alpha	Yes	0.63	0.05	0.10	0.000906	Yes	Yes
208044_s_at	5467	PPARD	6	peroxisome proliferator-activated receptor delta	Yes	0.42	0.12	0.10	0.024823	Yes	Yes
37152_at	5467	PPARD	6	peroxisome proliferator-activated receptor delta	Yes	0.95	0.68	0.38	0.000169	Yes	Yes
210236_at	8500	PPFIA1	11	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1	Yes	0.79	0.58	0.43	0.015819	Yes	Yes
214375_at	8496	PPFIBP1	12	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Yes	0.63	0.63	0.30	0.008793	Yes	Yes

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215959_at	8495	PPFIBP2	11	PTPRF interacting protein, binding protein 2 (liprin beta 2)	Yes	0.26	0.07	0.03	0.032847	Yes	Yes
221615_at	10450	PPIE	1	peptidylprolyl isomerase E (cyclophilin E)	Yes	0.53	0.33	0.18	0.026082	Yes	Yes
203407_at	5493	PPL	16	periplakin	Yes	0.84	0.63	0.40	0.007266	Yes	Yes
212686_at	57460	PPM1H	12	protein phosphatase 1H (PP2C domain containing)	Yes	1.00	0.42	0.30	0.00027	No	No
201703_s_at	5514	PPP1R10	6	protein phosphatase 1, regulatory (inhibitor) subunit 10	Yes	0.95	0.63	0.58	0.047108	Yes	Yes
205478_at	5502	PPP1R1A	12	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Yes	1.00	0.74	0.70	0.034178	Yes	Yes
203057_s_at	7799	PRDM2	1	PR domain containing 2, with ZNF domain	Yes	0.42	0.61	0.10	0.011807	No	No
204117_at	5550	PREP	6	prolyl endopeptidase	Yes	0.95	0.68	0.45	0.00092	Yes	Yes
211743_s_at	5553	PRG2	11	proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)	Yes	0.16	0.00	0.00	0.015642	Yes	Yes
206007_at	10216	PRG4	1	proteoglycan 4	Yes	1.00	0.95	0.83	0.037924	No	No
202801_at	5566	PRKACA	19	protein kinase, cAMP-dependent, catalytic, alpha	Yes	1.00	1.00	0.73	3.96E-05	Yes	Yes
203680_at	5577	PRKAR2B	7	protein kinase, cAMP-dependent, regulatory, type II, beta	Yes	1.00	1.00	0.85	0.016151	Yes	Yes
213010_at	112464	PRKCDBP	11	protein kinase C, delta binding protein	Yes	0.74	0.37	0.28	0.031927	Yes	Yes
208973_at	79033	PRNPIP	1	prion protein interacting protein	Yes	0.68	0.40	0.25	0.017672	Yes	Yes
209162_s_at	9128	PRPF4	9	PRP4 pre-mRNA processing factor 4 homolog (yeast)	Yes	0.95	0.86	0.63	0.008907	Yes	Yes
219168_s_at	55615	PRR5	22	proline rich 5 (renal)	Yes	0.21	0.02	0.03	0.018865	Yes	Yes
218302_at	55851	PSENEN	19	presenilin enhancer 2 homolog (C. elegans)	Yes	0.79	0.63	0.35	0.004559	Yes	Yes
210195_s_at	5669	PSG1	19	pregnancy specific beta-1-glycoprotein 1	Yes	0.63	0.12	0.23	0.029642	No	No
205956_x_at	29893	PSMC3IP	17	PSMC3 interacting protein	NA	0.58	0.37	0.20	0.027655	NA	NA
205911_at	5745	PTHR1	3	parathyroid hormone receptor 1	Yes	1.00	1.00	0.95	0.024044	No	No
200635_s_at	5792	PTPRF	1	protein tyrosine phosphatase, receptor type, F	Yes	1.00	0.98	0.83	0.007575	Yes	Yes
200637_s_at	5792	PTPRF	1	protein tyrosine phosphatase, receptor type, F	Yes	1.00	0.33	0.35	0.000636	Yes	Yes
215066_at	5792	PTPRF	1	protein tyrosine phosphatase, receptor type, F	Yes	0.26	0.09	0.00	0.008103	Yes	Yes
212012_at	7837	PXDN	2	peroxidasin homolog (Drosophila)	NA	0.84	0.88	0.53	0.002156	NA	NA
221810_at	376267	RAB15	14	RAB15, member RAS onocogene family	Yes	0.47	0.00	0.10	0.013262	Yes	Yes
219579_at	5866	RAB3IL1	11	RAB3A interacting protein (rabin3)-like 1	Yes	0.42	0.07	0.10	0.03184	Yes	Yes
215070_x_at	23637	RABGAP1	9	RAB GTPase activating protein 1	Yes	0.79	0.49	0.40	0.043191	Yes	Yes

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220500_s_at	11159	RABL2A	2	RAB, member of RAS oncogene family-like 2A	Yes	0.95	0.56	0.48	0.014407	Yes	Yes
205037_at	11020	RABL4	22	RAB, member of RAS oncogene family-like 4	Yes	1.00	0.56	0.38	0.000384	Yes	Yes
214422_at	5887	RAD23B	9	RAD23 homolog B (S. cerevisiae)	NA	0.89	0.79	0.40	0.000825	NA	NA
218526_s_at	29098	RANGRF	17	RAN guanine nucleotide release factor	NA	0.95	0.79	0.50	0.00131	NA	NA
203749_s_at	5914	RARA	17	retinoic acid receptor, alpha	Yes	0.89	0.70	0.53	0.004853	No	No
205115_s_at	9904	RBM19	12	RNA binding motif protein 19	Yes	0.58	0.33	0.20	0.031927	Yes	Yes
212028_at	58517	RBM25	14	RNA binding motif protein 25	Yes	0.47	0.35	0.05	0.001643	Yes	Yes
220509_at	64062	RBM26	13	RNA binding motif protein 26	Yes	0.26	0.18	0.03	0.023701	Yes	Yes
212104_s_at	23543	RBM9	22	RNA binding motif protein 9	Yes	1.00	0.98	0.80	0.004032	No	Yes
207836_s_at	11030	RBPMS	8	RNA binding protein with multiple splicing	Yes	0.84	0.89	0.43	0.000261	Yes	Yes
207837_at	11030	RBPMS	8	RNA binding protein with multiple splicing	Yes	0.53	0.44	0.18	0.017585	Yes	Yes
211421_s_at	5979	RET	10	ret proto-oncogene	Yes	0.47	0.04	0.13	0.030841	Yes	Yes
201451_x_at	6009	RHEB	7	Ras homolog enriched in brain	Yes	0.32	0.04	0.00	0.001176	Yes	Yes
60471_at	79890	RIN3	14	Ras and Rab interactor 3	Yes	1.00	0.63	0.48	0.001171	Yes	Yes
215588_x_at	8780	RIOK3	18	RIO kinase 3 (yeast)	Yes	0.95	1.00	0.65	6.89E-05	Yes	Yes
211753_s_at	6013	RLN1	9	relaxin 1	Yes	0.37	0.04	0.05	0.009611	Yes	Yes
208632_at	9921	RNF10	12	ring finger protein 10	Yes	1.00	1.00	0.88	0.030277	Yes	Yes
211387_x_at	8732	RNGTT	6	RNA guanylyltransferase and 5'-phosphatase	Yes	0.95	0.75	0.55	0.003326	Yes	Yes
215861_at	80089	RP4-724E16.2	20	hypothetical protein FLJ14031	NA	0.26	0.09	0.00	0.015629	NA	NA
214001_x_at	6204	RPS10	6	ribosomal protein S10	Yes	1.00	0.91	0.70	0.005854	Yes	Yes
213350_at	6205	RPS11	19	ribosomal protein S11	Yes	0.89	0.79	0.48	0.001915	Yes	Yes
203777_s_at	6199	RPS6KB2	11	ribosomal protein S6 kinase, 70kDa, polypeptide 2	Yes	0.95	0.19	0.23	0.000147	Yes	Yes
201206_s_at	6238	RRBP1	20	ribosome binding protein 1 homolog 180kDa (dog)	Yes	1.00	0.98	0.75	0.001132	Yes	Yes
215620_at	6239	RREB1	6	ras responsive element binding protein 1	Yes	0.89	0.84	0.53	0.003936	Yes	Yes
213437_at	22902	RUFY3	4	RUN and FYVE domain containing 3	Yes	0.42	0.07	0.03	0.000352	No	No
214712_at	400509	RUNDC2B	16	RUN domain containing 2B	NA	0.63	0.37	0.28	0.049937	NA	NA
218377_s_at	10069	RWDD2B	21	RWD domain containing 2B	NA	0.42	0.39	0.10	0.015418	NA	NA
205863_at	6283	S100A12	1	S100 calcium binding protein A12	Yes	1.00	0.56	0.20	1.14E-06	No	Yes
202917_s_at	6279	S100A8	1	S100 calcium binding protein A8	Yes	1.00	0.96	0.80	0.016795	No	No
214370_at	6279	S100A8	1	S100 calcium binding protein A8	Yes	0.32	0.11	0.00	0.003889	No	No
203535_at	6280	S100A9	1	S100 calcium binding protein A9	Yes	1.00	0.37	0.43	0.005481	No	No
214456_x_at	6289	SAA2	11	serum amyloid A2	Yes	1.00	0.95	0.80	0.024182	No	No
222226_at	6290	SAA3P	11	serum amyloid A3 pseudogene	Yes	0.95	0.25	0.25	0.00032	No	No
215495_s_at	23034	SAMD4A	14	sterile alpha motif domain containing 4A	Yes	0.53	0.04	0.10	0.01106	Yes	Yes
217928_s_at	55291	SAPS3	11	SAPS domain family, member 3	Yes	0.89	0.88	0.68	0.009183	Yes	Yes

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200051_at	9092	SART1	11	squamous cell carcinoma antigen recognized by T cells	Yes	0.89	0.63	0.48	0.023709	Yes	Yes
209127_s_at	9733	SART3	12	squamous cell carcinoma antigen recognized by T cells 3	Yes	0.53	0.46	0.10	0.004763	Yes	Yes
39835_at	6305	SBF1	22	SET binding factor 1	Yes	0.58	0.32	0.10	0.000727	Yes	Yes
218681_s_at	23753	SDF2L1	22	stromal cell-derived factor 2-like 1	Yes	1.00	0.70	0.55	0.002873	Yes	Yes
205695_at	10993	SDS	12	serine dehydratase	Yes	1.00	1.00	0.88	0.029437	No	No
202082_s_at	6397	SEC14L1	17	SEC14-like 1 (S. cerevisiae)	Yes	0.89	0.89	0.65	0.036662	Yes	Yes
202083_s_at	6397	SEC14L1	17	SEC14-like 1 (S. cerevisiae)	Yes	0.89	0.89	0.63	0.010357	Yes	Yes
216402_at	284904	SEC14L4	22	SEC14-like 4 (S. cerevisiae)	Yes	0.68	0.30	0.28	0.035096	Yes	Yes
215209_at	9871	SEC24D	4	SEC24 related gene family, member D (S. cerevisiae)	Yes	0.32	0.11	0.00	0.002744	Yes	Yes
215641_at	9871	SEC24D	4	SEC24 related gene family, member D (S. cerevisiae)	Yes	0.58	0.40	0.23	0.021606	Yes	Yes
219499_at	55176	SEC61A2	10	Sec61 alpha 2 subunit (S. cerevisiae)	Yes	0.84	0.28	0.23	0.000456	Yes	Yes
202062_s_at	6400	SEL1L	14	sel-1 suppressor of lin-12-like (C. elegans)	Yes	0.95	0.42	0.48	0.01365	Yes	Yes
202063_s_at	6400	SEL1L	14	sel-1 suppressor of lin-12-like (C. elegans)	Yes	0.32	0.00	0.00	0.000408	Yes	Yes
57703_at	205564	SENP5	3	SUMO1/sentrin specific peptidase 5	Yes	0.68	0.47	0.20	0.007622	Yes	Yes
202319_at	26054	SENP6	6	SUMO1/sentrin specific peptidase 6	Yes	1.00	0.86	0.78	0.048948	Yes	Yes
208941_s_at	22929	SEPHS1	10	selenophosphate synthetase 1	Yes	1.00	0.95	0.73	0.005375	Yes	Yes
210172_at	7536	SF1	11	splicing factor 1	Yes	0.79	0.82	0.33	0.000352	Yes	Yes
201356_at	10291	SF3A1	22	splicing factor 3a, subunit 1, 120kDa	Yes	0.95	0.88	0.58	0.001822	Yes	Yes
212177_at	25957	SFRS18	6	splicing factor, arginine/serine-rich 18	NA	1.00	1.00	0.95	0.040984	NA	NA
209376_x_at	9169	SFRS2IP	12	splicing factor, arginine/serine-rich 2, interacting protein	Yes	1.00	1.00	0.73	5.45E-05	No	No
213936_x_at	6439	SFTPB	2	surfactant protein B	Yes	0.95	0.51	0.33	0.001352	No	No
213464_at	25759	SHC2	19	SHC (Src homology 2 domain containing) transforming protein 2	NA	1.00	0.93	0.78	0.012725	NA	NA
219713_at	23729	SHPK	17	sedoheptulokinase	NA	0.84	0.63	0.45	0.019691	NA	NA
202980_s_at	6477	SIAH1	16	seven in absentia homolog 1 (Drosophila)	Yes	0.79	0.56	0.35	0.007699	Yes	Yes
218436_at	64374	SIL1	5	SIL1 homolog, endoplasmic reticulum chaperone (S. cerevisiae)	Yes	1.00	0.77	0.70	0.027391	Yes	Yes
202895_s_at	140885	SIRPA	20	signal-regulatory protein alpha	NA	1.00	0.44	0.50	0.018441	NA	NA
221562_s_at	23410	SIRT3	11	sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae)	NA	1.00	0.61	0.48	0.00157	NA	NA
204270_at	6497	SKI	1	v-ski sarcoma viral oncogene homolog (avian)	Yes	0.63	0.28	0.13	0.002024	Yes	Yes
219915_s_at	117247	SLC16A10	6	solute carrier family 16, member 10 (aromatic amino acid transporter)	Yes	0.47	0.30	0.13	0.035824	Yes	Yes

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207057_at	9194	SLC16A7	12	solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	Yes	1.00	1.00	0.80	0.006016	No	No
208389_s_at	6506	SLC1A2	11	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Yes	1.00	0.47	0.40	0.000868	Yes	Yes
212810_s_at	6509	SLC1A4	2	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	Yes	0.74	0.16	0.33	0.026383	Yes	Yes
205097_at	1836	SLC26A2	5	solute carrier family 26 (sulfate transporter), member 2	Yes	0.89	0.98	0.73	0.028797	Yes	Yes
218727_at	55238	SLC38A7	16	solute carrier family 38, member 7	NA	0.53	0.33	0.10	0.002578	NA	NA
202667_s_at	7922	SLC39A7	6	solute carrier family 39 (zinc transporter), member 7	Yes	0.68	0.16	0.25	0.023984	Yes	Yes
220245_at	51151	SLC45A2	5	solute carrier family 45, member 2	Yes	0.47	0.07	0.08	0.003877	No	No
202111_at	6522	SLC4A2	7	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	Yes	0.68	0.28	0.25	0.015629	Yes	Yes
204087_s_at	8884	SLC5A6	2	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	Yes	0.63	0.39	0.18	0.013482	Yes	Yes
205864_at	6545	SLC7A4	22	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	NA	0.21	0.02	0.00	0.008937	NA	NA
212947_at	23315	SLC9A8	20	solute carrier family 9 (sodium/hydrogen exchanger), member 8	Yes	0.79	0.11	0.15	0.000131	Yes	Yes
207308_at	6579	SLCO1A2	12	solute carrier organic anion transporter family, member 1A2	Yes	0.42	0.07	0.10	0.008801	Yes	Yes
211480_s_at	6579	SLCO1A2	12	solute carrier organic anion transporter family, member 1A2	Yes	0.16	0.00	0.00	0.015642	Yes	Yes
211481_at	6579	SLCO1A2	12	solute carrier organic anion transporter family, member 1A2	Yes	0.32	0.02	0.00	0.000805	Yes	Yes
222071_s_at	353189	SLCO4C1	5	solute carrier organic anion transporter family, member 4C1	Yes	1.00	0.70	0.63	0.039789	Yes	Yes
206732_at	22865	SLITRK3	3	SLIT and NTRK-like family, member 3	Yes	0.58	0.00	0.00	6.33E-07	Yes	Yes
208794_s_at	6597	SMARCA4	19	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	Yes	0.84	0.46	0.30	0.000816	Yes	Yes
213859_x_at	8467	SMARCA5	4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	Yes	0.21	0.63	0.05	0.043558	Yes	Yes
209420_s_at	6609	SMPD1	11	sphingomyelin phosphodiesterase 1, acid lysosomal	Yes	1.00	1.00	0.75	0.001365	Yes	Yes

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219695_at	55512	SMPD3	16	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	Yes	0.37	0.07	0.10	0.015642	Yes	Yes
212666_at	57154	SMURF1	7	SMAD specific E3 ubiquitin protein ligase 1	NA	0.79	0.70	0.43	0.010787	NA	NA
201221_s_at	6625	SNRP70	19	small nuclear ribonucleoprotein 70kDa polypeptide (RNP antigen)	Yes	1.00	0.79	0.70	0.044054	Yes	Yes
215722_s_at	6627	SNRPA1	15	small nuclear ribonucleoprotein polypeptide A'	Yes	0.79	0.89	0.58	0.030341	Yes	Yes
216977_x_at	6627	SNRPA1	15	small nuclear ribonucleoprotein polypeptide A'	Yes	0.74	0.60	0.33	0.003904	Yes	Yes
215450_at	6635	SNRPE	1	small nuclear ribonucleoprotein polypeptide E	Yes	0.84	0.74	0.48	0.013086	Yes	Yes
202359_s_at	399979	SNX19	11	sorting nexin 19	Yes	0.89	0.44	0.30	0.001178	Yes	Yes
221006_s_at	81609	SNX27	1	sorting nexin family member 27	Yes	0.89	0.12	0.08	6.53E-07	Yes	Yes
215078_at	6648	SOD2	6	superoxide dismutase 2, mitochondrial	Yes	0.53	0.82	0.25	0.005691	Yes	Yes
201085_s_at	6651	SON	21	SON DNA binding protein	Yes	0.37	0.79	0.20	0.020623	Yes	Yes
206056_x_at	6693	SPN	16	sialophorin	Yes	0.95	0.47	0.45	0.000597	No	Yes
219677_at	80176	SPSB1	1	splA/ryanodine receptor domain and SOCS box containing 1	Yes	1.00	0.74	0.73	0.045978	Yes	Yes
202308_at	6720	SREBF1	17	sterol regulatory element binding transcription factor 1	Yes	1.00	0.91	0.63	0.000606	Yes	Yes
201248_s_at	6721	SREBF2	22	sterol regulatory element binding transcription factor 2	Yes	0.47	0.11	0.18	0.022367	Yes	Yes
202401_s_at	6722	SRF	6	serum response factor (c-fos serum response element-binding transcription factor)	Yes	0.63	0.75	0.40	0.036517	Yes	Yes
201516_at	6723	SRM	1	spermidine synthase	Yes	0.95	0.77	0.68	0.037924	Yes	Yes
201224_s_at	10250	SRRM1	1	serine/arginine repetitive matrix 1	Yes	0.37	0.63	0.15	0.032132	Yes	Yes
200957_s_at	6749	SSRP1	11	structure specific recognition protein 1	Yes	1.00	0.86	0.60	0.001328	Yes	Yes
208322_s_at	6482	ST3GAL1	8	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	Yes	0.89	0.88	0.65	0.023754	Yes	Yes
213335_s_at	10402	ST3GAL6	3	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	Yes	0.84	0.04	0.13	1.41E-05	Yes	Yes
202440_s_at	6764	ST5	11	suppression of tumorigenicity 5	Yes	0.53	0.53	0.25	0.018801	Yes	Yes
207524_at	7982	ST7	7	suppression of tumorigenicity 7	NA	0.37	0.09	0.10	0.046666	NA	NA
215044_s_at	10254	STAM2	2	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2	Yes	0.79	0.51	0.28	0.002367	Yes	Yes
202991_at	10948	STARD3	17	StAR-related lipid transfer (START) domain containing 3	Yes	0.26	0.02	0.05	0.044696	Yes	Yes

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213820_s_at	80765	STARD5	15	StAR-related lipid transfer (START) domain containing 5	NA	0.84	0.28	0.03	1.55E-07	NA	NA
208992_s_at	6774	STAT3	17	signal transducer and activator of transcription 3 (acute-phase response factor)	Yes	0.68	0.54	0.23	0.000362	Yes	Yes
212550_at	6777	STAT5B	17	signal transducer and activator of transcription 5B	Yes	1.00	0.28	0.50	0.035461	Yes	Yes
221236_s_at	81551	STMN4	8	stathmin-like 4	Yes	0.16	0.00	0.00	0.023128	No	No
209478_at	201254	STRA13	17	stimulated by retinoic acid 13 homolog (mouse)	Yes	1.00	0.60	0.60	0.026122	Yes	Yes
217934_x_at	10273	STUB1	16	STIP1 homology and U-box containing protein 1	Yes	1.00	0.86	0.68	0.003335	Yes	Yes
220995_at	29091	STXBP6	14	syntaxin binding protein 6 (amisyn)	Yes	0.74	0.04	0.03	3.11E-07	Yes	Yes
206740_x_at	6847	SYCP1	1	synaptonemal complex protein 1	NA	0.68	0.04	0.05	1.98E-06	NA	NA
216917_s_at	6847	SYCP1	1	synaptonemal complex protein 1	NA	0.42	0.07	0.03	0.002635	NA	NA
205613_at	51760	SYT17	16	synaptotagmin XVII	Yes	0.74	0.25	0.23	0.003477	Yes	Yes
214690_at	9014	TAF1B	2	TATA box binding protein (TBP)-associated factor, RNA polymerase I, B, 63kDa	Yes	0.95	0.63	0.58	0.038733	Yes	Yes
221616_s_at	51616	TAF9B	X	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa	Yes	0.79	0.54	0.13	9.56E-05	Yes	Yes
206283_s_at	6886	TAL1	1	T-cell acute lymphocytic leukemia 1	Yes	0.95	0.79	0.48	0.000636	Yes	Yes
204878_s_at	9344	TAOK2	16	TAO kinase 2	Yes	0.74	0.32	0.30	0.020957	Yes	Yes
204986_s_at	9344	TAOK2	16	TAO kinase 2	Yes	0.79	0.19	0.30	0.032004	Yes	Yes
221391_at	50840	TAS2R14	12	taste receptor, type 2, member 14	Yes	0.32	0.12	0.00	0.007466	No	No
214413_at	6898	TAT	16	tyrosine aminotransferase	Yes	1.00	1.00	0.80	0.006016	No	No
37278_at	6901	TAZ	X	tafazzin	NA	0.74	0.54	0.38	0.025722	NA	NA
215640_at	23102	TBC1D2B	15	TBC1 domain family, member 2B	Yes	0.79	0.88	0.40	0.003255	Yes	Yes
201868_s_at	6907	TBL1X	X	transducin (beta)-like 1X-linked	NA	0.21	0.02	0.00	0.012671	NA	NA
213401_s_at	6907	TBL1X	X	transducin (beta)-like 1X-linked	NA	0.47	0.04	0.00	1.57E-05	NA	NA
203135_at	6908	TBP	6	TATA box binding protein	Yes	1.00	0.96	0.80	0.030066	Yes	Yes
336_at	6915	TBXA2R	19	thromboxane A2 receptor	Yes	0.21	0.37	0.03	0.046069	Yes	Yes
202818_s_at	6924	TCEB3	1	transcription elongation factor B (SIII), polypeptide 3 (110kDa, elongin A)	Yes	0.74	0.63	0.15	0.000139	Yes	Yes
213604_at	6924	TCEB3	1	transcription elongation factor B (SIII), polypeptide 3	Yes	1.00	0.95	0.80	0.039137	Yes	Yes
213311_s_at	22980	TCF25	16	transcription factor 25 (basic helix-loop-helix)	Yes	0.95	0.96	0.75	0.018123	Yes	Yes
221016_s_at	83439	TCF7L1	2	transcription factor 7-like 1 (T-cell specific, HMG-box)	Yes	0.84	0.86	0.58	0.016301	Yes	Yes

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41037_at	7004	TEAD4	12	TEA domain family member 4	Yes	0.68	0.37	0.23	0.003874	Yes	Yes
212494_at	23371	TENC1	12	tensin like C1 domain containing phosphatase (tensin 2)	Yes	0.84	1.00	0.68	0.018812	Yes	Yes
203176_s_at	7019	TFAM	10	transcription factor A, mitochondrial	Yes	0.95	0.91	0.68	0.004721	Yes	Yes
214378_at	7035	TFPI	2	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	Yes	1.00	0.42	0.18	2.86E-06	No	No
215447_at	7035	TFPI	2	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	Yes	1.00	0.95	0.80	0.024182	No	No
216183_at	7052	TGM2	20	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	Yes	0.26	0.05	0.00	0.018812	Yes	Yes
211154_at	7066	THPO	3	thrombopoietin	Yes	0.74	0.02	0.10	2.42E-05	Yes	No
219248_at	80745	THUMPD2	2	THUMP domain containing 2	Yes	1.00	0.93	0.78	0.018123	Yes	Yes
202405_at	7073	TIAL1	10	TIA1 cytotoxic granule-associated RNA binding protein-like 1	Yes	0.89	0.53	0.43	0.009745	Yes	Yes
213135_at	7074	TIAM1	21	T-cell lymphoma invasion and metastasis 1	Yes	0.84	1.00	0.65	0.015418	Yes	Yes
218408_at	26519	TIMM10	11	translocase of inner mitochondrial membrane 10 homolog (yeast)	Yes	0.84	0.75	0.45	0.003229	Yes	Yes
206472_s_at	7090	TLE3	15	transducin-like enhancer of split 3 (E(sp1) homolog, Drosophila)	Yes	0.89	0.54	0.48	0.040705	Yes	Yes
212703_at	83660	TLN2	15	talin 2	Yes	0.53	0.14	0.10	0.005252	No	No
208757_at	54732	TMED9	5	transmembrane emp24 protein transport domain containing 9	Yes	1.00	1.00	0.73	0.000541	Yes	Yes
219690_at	79713	TMEM149	19	transmembrane protein 149	Yes	1.00	0.77	0.63	0.012725	No	No
52078_at	84065	TMEM222	1	transmembrane protein 222	NA	0.84	0.19	0.38	0.045302	NA	NA
218770_s_at	55116	TMEM39B	1	transmembrane protein 39B	Yes	0.42	0.32	0.00	0.001161	Yes	Yes
219503_s_at	55287	TMEM40	3	transmembrane protein 40	Yes	0.37	0.05	0.08	0.024723	No	No
219462_at	79639	TMEM53	1	transmembrane protein 53	Yes	1.00	0.47	0.55	0.034017	Yes	Yes
202700_s_at	9725	TMEM63A	1	transmembrane protein 63A	NA	0.68	0.51	0.25	0.018615	NA	NA
207907_at	8740	TNFSF14	19	tumor necrosis factor (ligand) superfamily, member 14	Yes	0.53	0.11	0.10	0.005529	No	Yes
213109_at	23043	TNIK	3	TRAF2 and NCK interacting kinase	Yes	1.00	0.91	0.78	0.006079	Yes	Yes
201870_at	10953	TOMM34	20	translocase of outer mitochondrial membrane 34	Yes	0.95	0.86	0.58	0.001603	Yes	Yes
203786_s_at	7164	TPD52L1	6	tumor protein D52-like 1	Yes	0.79	0.63	0.48	0.020254	Yes	Yes
1729_at	8717	TRADD	16	TNFRSF1A-associated via death domain	Yes	0.95	0.63	0.48	0.003652	Yes	Yes
202987_at	10758	TRAF3IP2	6	TRAF3 interacting protein 2	Yes	0.37	0.14	0.05	0.024182	Yes	Yes
214924_s_at	22906	TRAK1	3	trafficking protein, kinesin binding 1	Yes	0.95	0.72	0.38	1.53E-05	No	No
202124_s_at	66008	TRAK2	2	trafficking protein, kinesin binding 2	Yes	0.95	0.89	0.60	0.00226	Yes	Yes
202368_s_at	9697	TRAM2	6	translocation associated membrane protein 2	Yes	1.00	0.77	0.70	0.030864	Yes	Yes

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215269_at	7109	TRAPPC10	21	trafficking protein particle complex 10	NA	0.89	0.91	0.65	0.021521	NA	NA
204985_s_at	79090	TRAPPC6A	19	trafficking protein particle complex 6A	Yes	0.84	0.56	0.43	0.011234	Yes	Yes
219937_at	29953	TRHDE	12	thyrotropin-releasing hormone degrading enzyme	Yes	0.53	0.00	0.05	0.000211	Yes	Yes
215945_s_at	23321	TRIM2	4	tripartite motif-containing 2	Yes	1.00	0.88	0.75	0.03065	No	No
213748_at	9866	TRIM66	11	tripartite motif-containing 66	NA	1.00	0.68	0.58	0.003904	NA	NA
219405_at	55128	TRIM68	11	tripartite motif-containing 68	Yes	0.63	0.35	0.20	0.014504	Yes	Yes
205665_at	10867	TSPAN9	12	tetraspanin 9	NA	0.84	0.09	0.05	6.86E-07	NA	NA
220968_s_at	10867	TSPAN9	12	tetraspanin 9	NA	0.63	0.77	0.35	0.01344	NA	NA
202096_s_at	706	TSPO	22	translocator protein (18kDa)	Yes	1.00	0.98	0.88	0.038733	Yes	Yes
218156_s_at	55720	TSR1	17	TSR1, 20S rRNA accumulation, homolog (S. cerevisiae)	NA	1.00	1.00	0.88	0.037847	NA	NA
201644_at	7264	TSTA3	8	tissue specific transplantation antigen P35B	Yes	0.95	0.81	0.55	0.004579	Yes	Yes
215598_at	54970	TTC12	11	tetratricopeptide repeat domain 12	Yes	0.47	0.32	0.10	0.006717	Yes	Yes
218272_at	55020	TTC38	22	tetratricopeptide repeat domain 38	NA	0.68	0.44	0.20	0.004314	NA	NA
219633_at	79183	TTPAL	20	tocopherol (alpha) transfer protein-like	NA	0.95	0.74	0.55	0.005494	NA	NA
205807_s_at	7286	TUFT1	1	tuftelin 1	Yes	1.00	1.00	0.85	0.008352	Yes	Yes
211177_s_at	10587	TXNRD2	22	thioredoxin reductase 2	Yes	0.89	0.35	0.43	0.022414	No	No
65521_at	51619	UBE2D4	7	ubiquitin-conjugating enzyme E2D 4 (putative)	Yes	0.95	0.32	0.48	0.027001	Yes	Yes
210685_s_at	10277	UBE4B	1	ubiquitination factor E4B (UFD2 homolog, yeast)	Yes	0.79	0.12	0.13	0.000456	Yes	Yes
219131_at	29914	UBIAD1	1	UbiA prenyltransferase domain containing 1	Yes	0.53	0.23	0.10	0.009473	Yes	Yes
218533_s_at	54963	UCKL1	20	uridine-cytidine kinase 1-like 1	Yes	1.00	0.93	0.80	0.017771	Yes	Yes
202365_at	84747	UNC119B	12	unc-119 homolog B (C. elegans)	NA	1.00	0.77	0.63	0.005914	NA	NA
211168_s_at	5976	UPF1	19	UPF1 regulator of nonsense transcripts homolog (yeast)	Yes	0.84	0.47	0.40	0.006686	Yes	Yes
202152_x_at	7392	USF2	19	upstream transcription factor 2, c-fos interacting	Yes	0.16	0.02	0.00	0.02755	Yes	Yes
216775_at	54532	USP53	4	ubiquitin specific peptidase 53	Yes	0.74	0.61	0.20	0.000114	No	No
205019_s_at	7433	VIPR1	3	vasoactive intestinal peptide receptor 1	Yes	0.32	0.42	0.03	0.005931	Yes	Yes
212326_at	55187	VPS13D	1	vacuolar protein sorting 13 homolog D (S. cerevisiae)	NA	0.84	0.33	0.35	0.014164	NA	NA
209553_at	23355	VPS8	3	vacuolar protein sorting 8 homolog (S. cerevisiae)	Yes	0.95	0.61	0.63	0.048948	Yes	Yes
221247_s_at	81554	WBSCR16	7	Williams-Beuren syndrome chromosome region 16	Yes	1.00	0.82	0.68	0.013122	Yes	Yes
222138_s_at	64743	WDR13	X	WD repeat domain 13	Yes	0.89	1.00	0.75	0.020028	Yes	Yes

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220917_s_at	57728	WDR19	4	WD repeat domain 19	Yes	0.79	0.56	0.38	0.015698	Yes	Yes
201886_at	80344	WDR23	14	WD repeat domain 23	NA	1.00	1.00	0.90	0.034017	NA	NA
212880_at	23335	WDR7	18	WD repeat domain 7	Yes	0.89	0.91	0.55	0.001654	Yes	Yes
221712_s_at	54663	WDR74	11	WD repeat domain 74	Yes	0.95	0.82	0.65	0.025877	Yes	Yes
219322_s_at	49856	WDR8	1	WD repeat domain 8	Yes	0.84	0.61	0.50	0.028017	Yes	Yes
206459_s_at	7482	WNT2B	1	wingless-type MMTV integration site family, member 2B	Yes	0.37	0.05	0.05	0.014718	Yes	Yes
214759_at	9589	WTAP	6	Wilms tumor 1 associated protein	Yes	0.37	0.12	0.10	0.038221	Yes	Yes
210695_s_at	51741	WWOX	16	WW domain containing oxidoreductase	Yes	0.95	0.47	0.50	0.033971	Yes	Yes
206536_s_at	331	XIAP	X	X-linked inhibitor of apoptosis	NA	0.95	0.32	0.28	0.001169	NA	NA
220020_at	63929	XPNPEP3	22	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	NA	0.42	0.25	0.03	0.001532	NA	NA
211982_x_at	23214	XPO6	16	exportin 6	Yes	0.95	0.79	0.53	0.001822	No	No
206063_x_at	29799	YPEL1	22	yippee-like 1 (Drosophila)	NA	0.26	0.11	0.03	0.017556	NA	NA
205883_at	7704	ZBTB16	11	zinc finger and BTB domain containing 16	Yes	0.89	1.00	0.75	0.020028	Yes	Yes
203602_s_at	7709	ZBTB17	1	zinc finger and BTB domain containing 17	Yes	0.95	0.68	0.60	0.038679	Yes	Yes
205877_s_at	23264	ZC3H7B	22	zinc finger CCCH-type containing 7B	Yes	0.32	0.04	0.05	0.015629	Yes	Yes
213323_s_at	23264	ZC3H7B	22	zinc finger CCCH-type containing 7B	Yes	0.37	0.02	0.03	0.002462	Yes	Yes
222186_at	54469	ZFAND6	15	zinc finger, AN1-type domain 6	Yes	0.63	0.88	0.43	0.026448	Yes	Yes
219779_at	79776	ZFHX4	8	zinc finger homeobox 4	Yes	0.68	0.58	0.43	0.048917	No	Yes
201367_s_at	678	ZFP36L2	2	zinc finger protein 36, C3H type-like 2	Yes	0.74	0.67	0.48	0.046348	Yes	Yes
219778_at	23414	ZFPM2	8	zinc finger protein, multitype 2	Yes	0.79	1.00	0.58	0.006628	Yes	Yes
210282_at	7750	ZMYM2	13	zinc finger, MYM-type 2	Yes	0.95	0.75	0.53	0.002577	Yes	Yes
206314_at	55888	ZNF167	3	zinc finger protein 167	Yes	0.53	0.35	0.10	0.002166	Yes	Yes
216983_s_at	7767	ZNF224	19	zinc finger protein 224	Yes	0.53	0.54	0.15	0.011621	Yes	Yes
206261_at	8187	ZNF239	10	zinc finger protein 239	Yes	0.58	0.53	0.30	0.04063	No	No
217627_at	126231	ZNF573	19	zinc finger protein 573	Yes	0.89	0.93	0.65	0.030734	Yes	Yes
204175_at	51042	ZNF593	1	zinc finger protein 593	NA	1.00	0.88	0.70	0.019051	NA	NA
205594_at	22834	ZNF652	17	zinc finger protein 652	Yes	1.00	0.95	0.83	0.032847	Yes	Yes
214813_at	7626	ZNF75D	X	zinc finger protein 75D	NA	0.89	0.32	0.40	0.039693	NA	NA
57516_at	92595	ZNF764	16	zinc finger protein 764	NA	1.00	0.81	0.55	0.001171	NA	NA
220608_s_at	54989	ZNF770	15	zinc finger protein 770	NA	0.32	0.26	0.08	0.034165	NA	NA
219086_at	55778	ZNF839	14	zinc finger protein 839	NA	0.95	0.74	0.60	0.011936	NA	NA
215263_at	7789	ZXDA	X	zinc finger, X-linked, duplicated A	Yes	0.63	0.14	0.15	0.007528	Yes	Yes
212601_at	23140	ZZEF1	17	zinc finger, ZZ-type with EF-hand domain 1	Yes	0.68	0.75	0.40	0.02018	Yes	Yes