

**Genes with P > N in 28/28 Cases, Full Model**

Hu6800 Probe Set	U95Av2 Probe Set	Gene Symbol	Title	LocusLink	Location	Avg Positive Fold Change	#P>N Pseudo-Probe Set	Avg Positive Fold Change Pseudo-probe Sets
X02761_s_at	31720_s_at	<i>FN1</i>	fibronectin 1	2335	Chr:2q34	4.8172	26	4.8546
M11433_at	38634_at	<i>RBP1</i>	retinol binding protein 1, cellular	5947	Chr:3q23	3.7898	28	4.5282
L23808_at	1482_g_at	<i>MMP12</i>	matrix metalloproteinase 12 (macrophage elastase)	4321	Chr:11q22.3	3.5229	28	3.1999
U09278_at	39945_at	<i>FAP</i>	fibroblast activation protein, alpha	2191	Chr:2q23	3.3759	26	2.9672
L23808_at	1481_at	<i>MMP12</i>	matrix metalloproteinase 12 (macrophage elastase)	4321	Chr:11q22.3	3.2512	28	3.1999
D83174_s_at	39167_r_at	<i>SERPINH1</i>	serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 2	872	Chr:11q13.5	2.1886	NA	NA
X87241_at	40454_at	<i>FAT</i>	FAT tumor suppressor homolog 1 (Drosophila)	2195	Chr:4q34-q35	2.0733	27	2.6372
D26599_at	1310_at	<i>PSMB2</i>	proteasome (prosome, macropain) subunit, beta type, 2	5690	Chr:1p34.2	1.9198	28	1.8895
U89942_at	33127_at	<i>LDXL2</i>	lysyl oxidase-like 2	4017	Chr:8p21.3-p21.2	1.8661	26	1.8319
Y00264_at	41136_s_at	<i>APP</i>	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	351	Chr:21q21.3	1.7894	27	1.9003
S54005_s_at	31481_s_at	<i>TMSB10</i>	thymosin, beta 10	9168	Chr:s	1.7589	27	1.8319
Y00971_at	41490_at	<i>PRPS2</i>	phosphoribosyl pyrophosphate synthetase 2	2060	Chr:Xp22.3-p22.2	1.6413	28	1.3296
S79639_at	222_at	<i>EXT1</i>	exostosins (multiple) 1	2131	Chr:8q24.11-q24.13	1.3912	28	2.0816
X80343_at	799_at	<i>CDK5R1</i>	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	8851	Chr:17q11.2	1.0925	18	1.0099

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D13666_s_at	1451_s_at	<i>OSF-2</i>	osteoblast specific factor 2 (fasciadin I-like)	10631	Chr:13q13.1	9.3718	NA	NA
X54925_at	38428_at	<i>MMP1</i>	matrix metalloproteinase 1 (interstitial collagenase)	4312	Chr:11q22.3	7.1338	28	10.9447
Z74616_s_at	32305_at	<i>COL1A2</i>	collagen, type I, alpha 2	1278	Chr:7q22.1	6.473	26	6.5443
X02761_s_at	31719_at	<i>FN1</i>	fibronectin 1	2335	Chr:2q34	4.7859	26	4.8546
Z74616_s_at	32307_s_at	<i>COL1A2</i>	collagen, type I, alpha 2	1278	Chr:7q22.1	4.9296	26	6.5443
Y00787_s_at	35372_r_at	<i>IL8</i>	interleukin 8	3576	Chr:4q13-q21	4.9708	27	4.0986
X06700_s_at	32488_at	<i>COL3A1</i>	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)	1281	Chr:2q31	4.7913	26	5.1993
J03040_at	671_at	<i>SPARC</i>	secreted protein, acidic, cysteine-rich (osteonectin)	6678	Chr:5q31.3-q32	3.5082	27	3.4558
M17349_at	1385_at	<i>TGFB1</i>	transforming growth factor, beta-induced, 68kDa	7045	Chr:5q31	3.464	26	4.289
X01060_at	37324_at	<i>TFR3</i>	transferin receptor (p90, CD71)	7037	Chr:3q26.2-qter	2.795	25	1.2945
M14648_at	39071_at	<i>ITGAV</i>	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	3685	Chr:2q31-q32	2.606	24	1.6066
X63629_at	160031_at	<i>CDH4</i>	cadherin 3, type 1, P-cadherin (placental)	1001	Chr:16q22.1	2.4914	NA	NA
M26958_s_at	37989_at	<i>PTH1H</i>	parathyroid hormone-like hormone	5744	Chr:12p12.1-p11.2	2.3448	25	3.5641
Z29083_at	368_at	<i>TPBG</i>	trophoblast glycoprotein	7162	Chr:6q14-q15	2.2827	NA	NA
M13755_at	1107_s_at	<i>G1P2</i>	interferon, alpha-inducible protein (clone IFI-15K)	9636	Chr:1p36.33	2.3093	26	3.0097
M87339_at	1055_g_at	<i>RFC4</i>	replication factor C (activator 1) 4, 37kDa	5984	Chr:3q27	2.2961	26	1.9819
M14648_at	257_at	<i>ITGAV</i>	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	3685	Chr:2q31-q32	2.3037	24	1.6066
U30521_at	39710_at	<i>P311</i>	P311 protein	9315	Chr:5q22.1	2.2897	26	2.6767
X53587_at	406_at	<i>ITGB4</i>	integrin, beta 4	3691	Chr:17q11-qter	2.2302	NA	NA
U26312_s_at	39805_at	<i>CBX3</i>	chromobox homolog 3 (HP1 gamma homolog, Drosophila)	11335	Chr:7p15.2	2.1596	28	2.2976
X54941_at	37347_at	<i>CBX1B</i>	CDC28 protein kinase regulatory subunit 1B	1163	Chr:1q21.2	2.1279	27	2.0001
U26312_s_at	39804_at	<i>CBX3</i>	chromobox homolog 3 (HP1 gamma homolog, Drosophila)	11335	Chr:7p15.2	1.9879	26	2.2376
M13755_at	38432_at	<i>G1P2</i>	interferon, alpha-inducible protein (clone IFI-15K)	9636	Chr:1p36.33	2.01	26	3.0097
S57132_s_at	35168_f_at	<i>COL16A1</i>	collagen, type XVI, alpha 1	1307	Chr:1p35-p34	1.9124	26	2.424
U59877_s_at	33371_s_at	<i>RAB31</i>	RAB31, member RAS oncogene family	11031	Chr:18p11.3	1.8937	26	2.0064
M91670_at	893_at	<i>E2-EFF</i>	ubiquitin carrier protein	27338	Chr:19q13.43	1.8632	28	1.8044
M91670_at	40619_at	<i>E2-EFF</i>	ubiquitin carrier protein	27338	Chr:19q13.43	1.7715	28	1.8044
M69066_at	40771_at	<i>MSN</i>	moesin	4478	Chr:Xq11.2-q12	1.7443	27	2.2236
D59253_at	32790_at	<i>NCBP2</i>	nuclear cap binding protein subunit 2, 20kDa	22916	Chr:3q29	1.6626	27	1.7779
D83174_s_at	39166_s_at	<i>SERPINH1</i>	serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 2	872	Chr:11q13.5	1.6048	NA	NA
M91670_at	894_g_at	<i>E2-EFF</i>	ubiquitin carrier protein	27338	Chr:19q13.43	1.5955	28	1.8044
U44754_at	35488_at	<i>SNAPC1</i>	small nuclear RNA activating complex, polypeptide 1, 43kDa	6617	Chr:14q22	1.585	NA	NA
V00599_s_at	151_s_at	---	Beta-tubulin [Homo sapiens], mRNA sequence	---	---	1.5855	---	---
M25753_at	1945_at	<i>CENB1</i>	cyclin B1	1945	Chr:5q12	1.5813	25	1.6275
X56494_at	32378_at	<i>PKM2</i>	pyruvate kinase, muscle	5315	Chr:15q22	1.5069	27	1.5883
M24766_s_at	36659_at	<i>COL4A2</i>	collagen, type IV, alpha 2	1284	Chr:13q34	1.5044	26	2.6824
D38521_at	36978_at	<i>PA200</i>	proteasome activator 200 kDa	23198	Chr:2p16.1	1.4759	25	1.5086
U69611_at	1226_at	<i>ADAM17</i>	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	6868	Chr:2p25	1.4767	21	1.2626
U90313_at	824_at	<i>GSTTLp28</i>	glutathione-S-transferase like: glutathione transferase omega	9446	Chr:10q24.33	1.4447	NA	NA
U37689_at	35631_at	<i>POLR2H</i>	polymerase (RNA) II (DNA directed) polypeptide H	5437	Chr:3q28	1.4186	28	1.5536
M14328_s_at	2035_s_at	<i>ENO1</i>	enolase 1, (alpha)	2023	Chr:1p36.3-p36.2	1.4478	NA	NA
X95404_at	33659_at	<i>CFL1</i>	cofilin 1 (non-muscle)	1072	Chr:11q13	1.4184	26	1.4742
X64330_at	40881_at	<i>ACLY</i>	ATP citrate lyase	47	Chr:17q12-q21	1.3828	26	1.4283
M57730_at	40425_at	<i>EFNA1</i>	ephrin-A1	1942	Chr:1q21-q22	1.3364	25	1.8718
X05360_at	1803_at	<i>CDC2</i>	cell division cycle 2, G1 to S and G2 to M	983	Chr:10q21.1	1.327	21	1.1916
AF010193_at	1857_at	<i>MADH7</i>	MAD, mothers against decapentaplegic homolog 7 (Drosophila)	4092	Chr:18q21.1	1.3329	21	1.4011
U37689_at	3790_at	<i>POLR2H</i>	polymerase (RNA) II (DNA directed) polypeptide H	5437	Chr:3q28	1.3305	28	1.5536
U08991_at	37901_at	<i>PIK3R4</i>	phosphoinositide-3-kinase, regulatory subunit 4, p150	30849	Chr:3q22.1	1.2744	17	1.1302
U30888_at	36982_at	<i>USP14</i>	ubiquitin specific protease 14 (fRNA-guanine transglycosylase)	9097	Chr:18p11.32	1.2679	NA	NA
U61836_at	1649_at	<i>C2orf16</i>	chromosome 20 open reading frame 16	54498	Chr:20p13	1.1368	19	1.1443

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Z74616_s_at	32306_g_at	<i>COL1A2</i>	collagen, type I, alpha 2	1278	Chr:7q22.1	6.7845	26	6.5443
X52022_at	38077_at	<i>COL6A3</i>	collagen, type VI, alpha 3	1293	Chr:2q37	4.0842	26	3.2845
M24351 cds3_s_at	37989_at	<i>PTH1H</i>	parathyroid hormone-like hormone	5744	Chr:12p12.1-p11.2	3.804	25	3.5641
D21255_at	36976_at	<i>CDH11</i>	cadherin 11, type 2, OB-cadherin (osteoblast)	1009	Chr:16q22.1	3.0066	25	2.8645
U21128_at	38038_at	<i>LUM</i>	lumican	4060	Chr:12q21.3-q22	2.5816	25	2.3701
X04729_s_at	38125_at	<i>SERPINE1</i>	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	5054	Chr:7q21.3-q22	2.2652	27	5.3105
X83416_s_at	36159_s_at	<i>PRNP</i>	prion protein (p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fatal familial insomnia)	5621	Chr:20pter-p12	2.1041	27	1.9481
X15882_at	34802_s_at	<i>COL6A2</i>	collagen, type VI, alpha 2	1292	Chr:21q22.3	2.0996	27	1.8081
M11718_at	38420_at	<i>COL5A2</i>	collagen, type V, alpha 2	1290	Chr:2q14-q32	2.0637	25	2.9708
X53586_ma1_at	41266_at	<i>ITGA6</i>	integrin, alpha 6	3655	Chr:2q31.1	2.0202	25	1.7071
M83216_s_at	41739_s_at	<i>CALD1</i>	caldesmon 1	800	Chr:7q33	2.0056	NA	NA
M61916_at	581_at	<i>LAMB1</i>	laminin, beta 1	3912	Chr:7q22	1.91	26	1.8125
M95178_at	39330_s_at	<i>ACTN1</i>	actinin, alpha 1	87	Chr:14q24	1.88	25	2.1157
M97935_s_at	32860_g_at	<i>STAT1</i>	signal transducer and activator of transcription 1, 91kDa	6772	Chr:2q32.2	1.9029	26	1.5338
Z24724_at	34857_at	<i>FLJ20986</i>	hypothetical protein FLJ20986	79572	Chr:3q29	1.8595	26	1.7994

D80008_at	39677_at	KIAA0186	KIAA0186 gene product	9837	Chr:20p11.1	1.8405	25	1.4829
X57522_at	40153_at	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	6890	Chr:6p21.3	1.8185	25	1.6586
X89750_at	38805_at	TGIF	TGFB-induced factor (TALE family homeobox)	7050	Chr:18p11.3	1.7745	27	1.8513
M94880_f_at	41237_at	HLA-A	major histocompatibility complex, class I, A	3105	Chr:6p21.3	1.7905	NA	NA
M11147_at	35083_at	FTL	ferritin, light polypeptide	2512	Chr:19q13.3-q13.4	1.7496	25	1.7467
X15890_at	38722_at	COL6A1	collagen, type VI, alpha 1	1291	Chr:21q22.3	1.7601	25	1.8253
D31887_at	38797_at	KIAA0062	KIAA0062 protein	23516	Chr:8p21.2	1.8026	26	1.8846
X17567_s_at	38455_at	SNRBP	small nuclear ribonucleoprotein polypeptides B and B1	6628	Chr:20p13	1.7465	25	1.6195
D32129_f_at	41237_at	HLA-A	major histocompatibility complex, class I, A	3105	Chr:6p21.3	1.7364	NA	NA
U01691_s_at	37747_at	ANXA5	annexin A5	308	Chr:4q28-q32	1.7516	26	1.5169
AF006084_at	39043_at	ARPC1B	actin related protein 2/3 complex, subunit 1B, 41kDa	10095	Chr:7q22.1	1.7055	26	1.9137
X05610_at	36659_at	COL4A2	collagen, type IV, alpha 2	1284	Chr:13q34	1.6796	26	2.6924
D83777_at	36192_at	KIAA0193	KIAA0193 gene product	9805	Chr:7p14.3-p14.1	1.638	25	1.5894
S78187_at	1347_at	CDC25B	cell division cycle 25B	994	Chr:20p13	1.6114	NA	NA
M15205_at	910_at	TK1	thymidine kinase 1, soluble	7083	Chr:17q23.2-q25.3	1.6249	26	1.4111
U44772_at	34774_at	PPT1	palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)	5538	Chr:1p32	1.5854	25	1.6217
X15183_at	32316_s_at	HSPCA	heat shock 90kDa protein 1, alpha	3320	Chr:14q32.33	1.5737	NA	NA
K03195_at	40507_at	SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1	6513	Chr:1p35-p31.3	1.5919	NA	NA
U55206_at	37263_at	GGH	gamma-glutamyl hydrolase (conjugase, lipo/polylipopolysaccharide/glutamate) hydrolase	8636	Chr:8q12.1	1.5726	22	1.687
X00589_at	1537_at	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	1956	Chr:7p12	1.5906	22	1.603
M97335_s_at	33338_at	STAT1	signal transducer and activator of transcription 1, 91kDa	6772	Chr:2q32.2	1.6061	26	1.5338
X91247_at	39425_at	TXNRD1	thioredoxin reductase 1	7296	Chr:12q23-q24.1	1.5322	25	1.7157
X17620_at	1521_at	NME1	non-metastatic cells 1, protein (NM23A) expressed in	4830	Chr:17q21.3	1.5425	24	1.4482
L25081_at	1395_at	ARHC	ras homolog gene family, member C	389	Chr:1p21-p13	1.5401	NA	NA
D21261_at	36678_at	TAGLN2	transgelin 2	8407	Chr:1q21-q25	1.5065	26	1.5569
J03909_at	925_at	IFI30	interferon, gamma-inducible protein 30	10437	Chr:19p13.1	1.5366	25	1.8959
U51586_at	36145_at	SIAHBP1	fuse-binding protein-interacting repressor	22827	Chr:8q24.2-qtel	1.4927	27	1.3748
D00760_at	1446_at	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	5683	Chr:7p13	1.5184	24	1.4343
D83018_at	32598_at	NELL2	NEL-like 2 (chicken)	4753	Chr:12q13.11-q13.12	1.4674	21	1.5097
U84573_at	34795_at	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) 2	5352	Chr:3q23-q24	1.4539	25	2.5939
Y00281_at	33424_at	RPN1	ribophorin 1	6184	Chr:3q21.3-q25.2	1.4607	27	1.6325
X03327_at	32340_s_at	NSEP1	nuclease sensitive element binding protein 1	4594	Chr:1p34	1.473	NA	NA
XT0476_at	36677_at	COBP2	coatomer protein complex, subunit beta 2 (beta prime)	9276	Chr:8q23	1.4611	23	1.3143
X05360_at	33324_s_at	CDC2	cell division cycle 2, G1 to S and G2 to M	983	Chr:10q21.1	1.4522	21	1.1916
D55716_at	947_at	MCM7	MCM7 minichromosome maintenance deficient 7 (S. cerevisiae)	4176	Chr:7q21.3-q22.1	1.4646	26	1.7899
M86699_at	572_at	TTK	TTK protein kinase	7272	Chr:6q13-q21	1.4051	25	1.6027
M94362_at	36987_at	LMNB2	lamin B2	84823	Chr:19p13.3	1.387	NA	NA
U40271_s_at	38819_at	PTK7	PTK7 protein tyrosine kinase 7	5754	Chr:6p21.1-p12.2	1.3724	26	1.4587
L02426_at	688_at	PSMC1	proteasome (prosome, macropain) 26S subunit, ATPase, 1	5700	Chr:14q32.11	1.39	25	1.371
Z54367_s_at	38021_at	PLEC1	plectin 1, intermediate filament binding protein 500kDa	5339	Chr:8q24	1.3787	24	1.4267
M15205_at	41400_at	TK1	thymidine kinase 1, soluble	7083	Chr:17q23.2-q25.3	1.3538	26	1.4111
D31884_at	34333_at	KIAA0063	KIAA0063 gene product	9929	Chr:22q13.1	1.3347	NA	NA
X04729_s_at	672_at	SERPINE1	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	5054	Chr:7q21.3-q22	1.3365	27	5.3105
D42041_at	37040_at	CDAN1	alpha glucosidase II alpha subunit	23193	Chr:11q12.2	1.3574	NA	NA
D16581_at	35723_at	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	4521	Chr:7q22	1.3398	28	1.3792
U45328_s_at	838_s_at	UBC21	ubiquitin-conjugating enzyme E2 (UBC9 homolog, yeast)	7329	Chr:16p13.3	1.3241	26	1.252
X74794_at	981_at	MCM4	MCM4 minichromosome maintenance deficient 4 (S. cerevisiae)	4173	Chr:8q12-q13	1.3085	NA	NA
X51688_at	1943_at	CCNA2	cyclin A2	890	Chr:4q25-q31	1.2971	26	1.4332
Y09022_at	38161_at	NOT56L	Not56 (D. melanogaster)-like protein	10195	Chr:3q27.3	1.2789	26	1.4151
D26361_at	34563_at	KIF14	kinesin family member 14	9928	Chr:1pter-q31.3	1.2796	28	1.4327
Y07759_at	40571_at	MYO5A	myosin VA (heavy polypeptide 12, myosin)	4644	Chr:15q21	1.2853	27	1.9508
X99584_at	38738_at	SMT3H1	SMT3 suppressor of mi1 two 3 homolog 1 (yeast)	6612	Chr:21q22.3	1.2628	NA	NA
X65550_at	419_at	MKI67	antigen identified by monoclonal antibody Ki-67	4288	Chr:10q25-qtter	1.2427	23	1.2847
U25975_at	1245_i_at	PAK2	p21 (CDKN1A)-activated kinase 2	5062	Chr:3q29	1.2625	26	1.3014
U40152_s_at	38564_at	ORC1L	origin recognition complex, subunit 1-like (yeast)	4998	Chr:1p32	1.242	20	1.1301
U60644_at	36151_at	PLD3	likely ortholog of mouse phospholipase D3	23646	Chr:19q13.13	1.2355	NA	NA
X00589_at	37327_at	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	1956	Chr:7p12	1.2345	22	1.603
Z28407_at	31505_at	RPL8	ribosomal protein L8	6132	Chr:8q24.3	1.2049	24	1.2453
U09303_at	188_at	EFNB1	ephrin-B1	1947	Chr:Xq12	1.1665	23	1.1949
U09303_at	39721_at	EFNB1	ephrin-B1	1947	Chr:Xq12	1.1535	23	1.1949
L32866_at	40533_at	BIRC5	baculoviral IAP repeat-containing 5 (survivin)	332	Chr:17q25	1.1448	NA	NA

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Hu6800 Probe Set	U95Av2 Probe Set	Gene Symbol	Title	LocusLink	Location	Avg Positive Fold Change	#P>N Pseudo-Probe Set	Avg Positive Fold Change Pseudo-probe Sets
L34155_at	37909_at	LAMA3	laminin, alpha 3	3909	Chr:18q11.2	3.715	25	3.9287
X75308_at	39632_at	MMP13	matrix metalloproteinase 13 (collagenase 3)	4322	Chr:11q22.3	3.4655	21	3.3942
AB000220_at	377_q_at	SEMA3C	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	10512	Chr:7q21-q31	3.1614	25	2.6039
X67325_at	425_at	IFI27	interferon, alpha-inducible protein 27	3429	Chr:14q32	3.0731	NA	NA
U37518_at	1715_at	TNFSF10	tumor necrosis factor (ligand) superfamily, member 10	8743	Chr:3q26	2.7222	23	2.4195
U97188_at	37558_at	KOC1	IGF-II mRNA-binding protein 3	10643	Chr:7p11	2.434	NA	NA
M62424_at	41700_at	F2R	coagulation factor II (thrombin) receptor	2149	Chr:5q13	2.4837	23	1.678
M19267_s_at	36792_at	TPM1	tropomyosin 1 (alpha)	7168	Chr:15q22.1	2.3692	NA	NA
Z24727_at	36792_at	TPM1	tropomyosin 1 (alpha)	7168	Chr:15q22.1	2.4191	NA	NA
M20778_s_at	39377_at	COL6A3	collagen, type VI, alpha 3	38077	Chr:2q37	2.3401	26	3.2845
X53586_ma1_at	33411_q_at	ITGA6	integrin, alpha 6	3655	Chr:2q31.1	2.2653	25	1.7071
M97935_s_at	33339_q_at	STAT1	signal transducer and activator of transcription 1, 91kDa	6772	Chr:2q32.2	2.2598	26	1.5338
M26958_s_at	615_s_at	PTHLH	parathyroid hormone-like hormone	5744	Chr:12p12.1-p11.2	2.2183	25	3.5641
D49354_s_at	41780_at	PPFIA1	protein tyrosine phosphatase, receptor type, I polypeptide (PTPRF), interacting protein (liprin), alpha 1	8500	Chr:11q13.1	2.0832	26	1.9863
X53586_ma1_at	33410_at	ITGA6	integrin, alpha 6	3655	Chr:2q31.1	2.0576	25	1.7071
X07820_at	1006_at	MMP10	matrix metalloproteinase 10 (stromelysin 2)	4319	Chr:11q22.3	1.9181	NA	NA
M97936_at	32860_g_at	STAT1	signal transducer and activator of transcription 1, 91kDa	6772	Chr:2q32.2	2.0283	26	1.5338
M63838_s_at	1456_s_at	IFI16	interferon, gamma-inducible protein 16	3428	Chr:1q22	1.9692	NA	NA
X53416_at	32749_s_at	FLNA	filamin A, alpha (actin binding protein 280)	2316	Chr:Xq28	1.9322	25	1.7746
L49054_at	33139_s_at	MLF1	myeloid leukemia factor 1	4291	Chr:3q25.1	1.9808	23	1.548
U22815_at	41780_at	PPFIA1	protein tyrosine phosphatase, receptor type, I polypeptide (PTPRF), interacting protein (liprin), alpha 1	8500	Chr:11q13.1	1.921	26	1.9863
X84709_at	38765_at	FADD	Fas (TNFRSF6)-associated via death domain	8772	Chr:11q13.3	1.8734	24	1.6594
U51478_at	32563_at	ATP1B3	ATPase, Na(+)-K(+)-transporting, beta 3 polypeptide	483	Chr:3q22-q23	1.8996	25	1.9325
U41766_s_at	34761_f_at	ADAM9	a disintegrin and metalloproteinase domain 9 (metrin gamma)	8754	Chr:8p11.21	1.8975	24	1.4196
S72487_at	36879_at	ECGF1	endothelial cell growth factor 1 (platelet-derived)	1890	Chr:22q13.33	1.8591	NA	NA

M95178_at	39329_at	<i>ACTN1</i>	actinin, alpha 1	87	Chr:14q24	1.9233	25	2.1157
U26424_at	32142_at	<i>STK3</i>	serine/threonine kinase 3 (STE20 homolog, yeast)	6788	Chr:8q22.1	1.8284	24	1.5155
D49354_s_at	944_s_at	<i>PPP1A1</i>	protein tyrosine phosphatase, receptor type, I polypeptide (PTPRF), interacting protein (liprin), alpha 1	8500	Chr:11q13.1	1.783	26	1.9863
U22431_s_at	1039_s_at	<i>HIF1A</i>	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	3091	Chr:14q21-q24	1.7702	25	1.5075
D43950_at	40417_at	<i>CCT5</i>	chaperonin containing TCP1, subunit 5 (epsilon)	22948	Chr:5p15.2	1.7375	24	1.6526
X53587_at	38746_at	<i>ITGB4</i>	integrin, beta 4	3691	Chr:17q11-qter	1.641	NA	NA
U01062_at	182_at	<i>ITPR3</i>	inositol 1,4,5-triphosphate receptor, type 3	3710	Chr:6p21	1.7029	25	1.6014
X53795_at	39056_at	<i>PAICS</i>	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	10606	Chr:terp-q21	1.7135	NA	NA
U01062_at	37343_at	<i>ITPR3</i>	inositol 1,4,5-triphosphate receptor, type 3	3710	Chr:6p21	1.6859	25	1.6014
X54942_at	40690_at	<i>CKS2</i>	CDC28 protein kinase regulatory subunit 2	1164	Chr:9q22	1.6811	26	2.0187
U22815_at	944_s_at	<i>PPP1A1</i>	protein tyrosine phosphatase, receptor type, I polypeptide (PTPRF), interacting protein (liprin), alpha 1	8500	Chr:11q13.1	1.6442	26	1.9863
U30872_at	37302_at	<i>CENPF</i>	centromere protein F, 350/400kDa (mitosin)	1063	Chr:1q32-q41	1.6687	26	1.5942
X57766_at	38181_at	<i>MMP11</i>	matrix metalloproteinase 11 (stromelysin 3)	4320	Chr:22q11.23	1.6497	27	3.0021
M97936_at	33338_at	<i>STAT1</i>	signal transducer and activator of transcription 1, 91kDa	6772	Chr:2q32.2	1.712	26	1.5338
X05360_at	40915_r_at	<i>CDC2</i>	cell division cycle 2, G1 to S and G2 to M	983	Chr:10q21.1	1.6766	21	1.1916
D59253_at	32789_at	<i>NCBP2</i>	nuclear cap binding protein subunit 2, 20kDa	22916	Chr:3q29	1.6434	27	1.7779
D78577_s_at	1424_s_at	<i>YWHAH</i>	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	7533	Chr:22q12.3	1.6886	NA	NA
U77949_at	1536_at	<i>CDC6</i>	CDC6 cell division cycle 6 homolog (S. cerevisiae)	990	Chr:17q21.3	1.629	26	1.6396
D86425_at	753_at	<i>NID2</i>	nidogen 2 (osteonidogen)	22795	Chr:14q21-q22	1.6654	NA	NA
U96902_at	36135_at	<i>EBNA1BP2</i>	EBNA1 binding protein 2	10969	Chr:19p35-p33	1.651	25	1.481
M31932_at	37688_f_at	<i>FCGR2A</i>	Fc fragment of IgG, low affinity Ila, receptor for (CD32)	2212	Chr:11q23	1.7186	17	1.0455
M55593_at	39007_at	<i>MMP2</i>	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	4313	Chr:16q13-q21	1.579	NA	NA
U59877_s_at	33372_at	<i>RAB31</i>	RAB31, member RAS oncogene family	11031	Chr:18p11.3	1.5646	26	2.0064
D38076_at	41342_at	<i>RANBP1</i>	RAN binding protein 1	5902	Chr:22q11.21	1.5567	NA	NA
D78151_at	1166_at	<i>PSMD2</i>	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	5708	Chr:3q27.3	1.5706	25	1.6407
U16261_at	41848_f_at	<i>IL24</i>	interleukin 24	11009	Chr:1q32	1.5598	21	1.1458
U60206_s_at	32142_at	<i>STK3</i>	serine/threonine kinase 3 (STE20 homolog, yeast)	6788	Chr:8q22.1	1.542	26	1.5155
D86960_at	34387_at	<i>KIAA0205</i>	KIAA0205 gene product	9926	Chr:1p36.13-q42.3	1.5661	NA	NA
M34057_at	1495_at	<i>LTPB1</i>	latent transforming growth factor beta binding protein 1	4052	Chr:2p22-p21	1.5426	25	1.6426
L19872_at	40516_at	<i>AHR</i>	aryl hydrocarbon receptor	196	Chr:7p15	1.5412	NA	NA
X06323_at	37726_at	<i>MRPL3</i>	mitochondrial ribosomal protein L3	11222	Chr:3q21-q23	1.5708	24	1.4401
X17620_at	39073_at	<i>NME1</i>	non-metastatic cells 1, protein (NM23A) expressed in	4830	Chr:17q21.3	1.5485	24	1.4482
M97936_s_at	32859_at	<i>STAT1</i>	signal transducer and activator of transcription 1, 91kDa	6772	Chr:2q32.2	1.5615	26	1.5338
M31642_at	37640_at	<i>HPRT1</i>	hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)	3251	Chr:Xq26.1	1.5136	25	1.5802
D26600_at	33154_at	<i>PSMB4</i>	proteasome (prosome, macropain) subunit, beta type, 4	5692	Chr:1q21	1.5079	25	1.4458
U17989_at	40901_at	<i>STRN3</i>	striatin, calmodulin binding protein 3	29966	Chr:14q13-q21	1.5093	22	1.4537
U33286_at	38804_at	<i>CSE1L</i>	CSE1 chromosome segregation 1-like (yeast)	1434	Chr:20q13	1.5009	24	1.3981
X56468_at	409_at	<i>YWHAQ</i>	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	10971	Chr:2p25.1	1.478	26	1.3921
U60805_at	39277_at	<i>OSMR</i>	oncostatin M receptor	9180	Chr:5p13.1	1.4751	19	1.479
D11094_at	35353_at	<i>PSMC2</i>	proteasome (prosome, macropain) 26S subunit, ATPase, 2	5701	Chr:7q22.1-q22.3	1.4712	24	1.4218
U42390_at	40581_at	<i>TRIO</i>	triple functional domain (PTPRF interacting)	7204	Chr:5p15.1-p14	1.4426	25	1.5634
D26600_at	1311_at	<i>PSMB4</i>	proteasome (prosome, macropain) subunit, beta type, 4	5692	Chr:1q21	1.4429	25	1.4458
AF000430_at	357_at	<i>DNM1L</i>	dynamitin 1-like	10059	Chr:12p11.1	1.4693	NA	NA
X05682_at	37948_at	<i>ATP6V1C1</i>	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C, isoform 1	528	Chr:8q22.3	1.4028	27	1.5513
X17620_s_at	1905_s_at	<i>NME1</i>	non-metastatic cells 1, protein (NM23A) expressed in	4830	Chr:17q21.3	1.5485	24	1.4482
U81554_at	31670_s_at	<i>SRF72</i>	signal recognition particle 72kDa	6731	Chr:4q11	1.4109	19	1.2114
U84444_at	811_at	<i>UFD1L</i>	ubiquitin fusion degradation 1-like	7353	Chr:22q11.21	1.3985	26	1.4553
U31383_at	37735_at	<i>GNG10</i>	guanine nucleotide binding protein (G protein), gamma 10	2790	Chr:9q32	1.3907	20	1.3293
L33801_at	1253_at	<i>GSK3B</i>	glycogen synthase kinase 3 beta	2932	Chr:3q13.3	1.3826	23	1.4033
J03827_at	36140_at	<i>NSEP1</i>	nuclease sensitive element binding protein 1	4904	Chr:1p34	1.4004	NA	NA
U53204_at	38021_at	<i>PLEC1</i>	plectin 1, intermediate filament binding protein 500kDa	5339	Chr:8q24	1.3797	24	1.4267
U65410_at	1721_q_at	<i>MAD2L1</i>	MAD2 mitotic arrest deficient-like 1 (yeast)	4085	Chr:4q27	1.3969	25	2.1371
S59184_at	539_at	<i>RYK</i>	RYK receptor-like tyrosine kinase	6259	Chr:3q22	1.3867	NA	NA
D26598_at	1309_at	<i>PSMB3</i>	proteasome (prosome, macropain) subunit, beta type, 3	5691	Chr:17q12	1.4141	25	1.3731
U35835_s_at	2012_s_at	<i>PRKDC</i>	protein kinase, DNA-activated, catalytic polypeptide	5591	Chr:8q11	1.4018	24	1.571
U04285_s_at	38745_at	<i>LIPA</i>	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	3988	Chr:10q23.2-q23.3	1.3925	27	1.1834
Y10807_s_at	32825_at	<i>HRMT1L2</i>	HMT1 histone H3 methyltransferase-like 2 (S. cerevisiae)	3276	Chr:19q13.3	1.3742	20	1.3299
D64142_at	319_q_at	<i>HIFX</i>	H1 histone family, member X	8371	---	1.3389	25	1.4682
X98263_at	31864_at	<i>MPHOSPH6</i>	M-phase phosphoprotein 6	10200	Chr:16q23.2	1.3396	27	1.5771
U78525_at	35323_at	<i>EIF3S9</i>	eukaryotic translation initiation factor 3, subunit 9 eta, 116kDa	8662	Chr:7p22.3	1.3232	25	1.3529
M88458_at	39080_at	<i>KDELR2</i>	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	11014	Chr:7p22.2	1.3619	NA	NA
D78361_at	1315_at	<i>OAZ1</i>	ornithine decarboxylase antizyme 1	4946	Chr:19p13.3	1.347	26	1.3004
D21337_at	39939_at	<i>COL4A6</i>	collagen, type IV, alpha 6	1288	Chr:Xq22	1.3028	23	1.3185
X97064_at	39099_at	<i>SEC23A</i>	Sec23 homolog A (S. cerevisiae)	10484	Chr:14q13.2	1.3081	NA	NA
L06175_at	33320_at	<i>P5-1</i>	MHC class I region ORF	10866	Chr:6p21.3	1.2949	19	1.1299
X51688_at	40697_at	<i>CCNA2</i>	cyclin A2	890	Chr:4q25-q31	1.2942	26	1.4332
U45328_s_at	38480_s_at	<i>UBE2I</i>	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	7329	Chr:16p13.3	1.2906	26	1.252
J04430_s_at	677_s_at	<i>ACPF5</i>	acid phosphatase 5, tartrate resistant	54	Chr:19p13.3-p13.2	1.2819	NA	NA
M59911_at	885_q_at	<i>ITGA3</i>	integrin, alpha 3 (antigen CD49c, alpha 3 subunit of VLA-3 receptor)	3675	Chr:17q21.32	1.2822	26	1.4621
L35240_at	39530_at	<i>ENIGMA</i>	enigma (LIM domain protein)	9260	Chr:5q35.3	1.2714	21	1.3146
U07077_at	2012_s_at	<i>PRKDC</i>	protein kinase, DNA-activated, catalytic polypeptide	5591	Chr:8q11	1.297	24	1.571
U69611_at	1227_q_at	<i>ADAM17</i>	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	6868	Chr:2p25	1.2606	21	1.2626
X97074_at	39347_at	<i>AP2S1</i>	adaptor-related protein complex 2, sigma 1 subunit	1175	Chr:19q13.2-q13.3	1.2855	21	1.1975
M14949_at	1879_at	<i>RRAS</i>	related RAS viral (r-ras) oncogene homolog	6237	Chr:19q13.3-qter	1.2525	20	1.1319
U41668_at	37335_at	<i>DGUOK</i>	deoxyguanosine kinase	1716	Chr:2p13	1.2432	20	1.1813
M25077_at	35293_at	<i>SSA2</i>	Sjogren syndrome antigen A2 (60kDa, ribonucleoprotein autoantigen SS-A/Ro)	6738	Chr:1q31	1.2399	17	1.058
X60787_s_at	40476_s_at	<i>ILF1</i>	interleukin enhancer binding factor 1	3607	Chr:17q25	1.2267	23	1.1932
D64154_at	38808_at	<i>ADRM1</i>	adhesion regulating molecule 1	11047	Chr:20q13.33	1.235	24	1.3068
U72882_s_at	464_s_at	<i>IFI35</i>	interferon-induced protein 35	3430	Chr:17q21	1.2364	NA	NA
X74819_at	38793_at	<i>TINT2</i>	troponin T2, cardiac	7139	Chr:1q32	1.2224	9	0.94329
U37012_at	33132_at	<i>CPSF1</i>	cleavage and polyadenylation specific factor 1, 160kDa	29894	Chr:8q24.23	1.2124	24	1.2543
U73379_at	1651_at	<i>UBE2C</i>	ubiquitin-conjugating enzyme E2C	11065	Chr:20q13.11	1.1905	NA	NA
L35240_at	39529_at	<i>ENIGMA</i>	enigma (LIM domain protein)	9260	Chr:5q35.3	1.1777	21	1.3146
M06026_at	36919_r_at	<i>FRP1</i>	formyl peptide receptor 1	2357	Chr:19q13.4	1.1703	NA	NA
X79353_at	36152_at	<i>GDI1</i>	GDP dissociation inhibitor 1	2664	Chr:Xq28	1.1713	NA	NA
X57110_s_at	34416_at	<i>CBL</i>	Cas-Br-M (murine) ecotropic retroviral transforming sequence	867	Chr:11q23.3	1.1685	9	0.95751
U41804_at	36461_at	<i>IL1RL1LG</i>	putative T1/ST2 receptor binding protein	11018	Chr:19p13.2	1.1624	15	1.0547

### Genes with P < N in 28/28 Cases, Full Model

Hu8000 Probe Set U95Av2 Probe Set Gene Symbol Title LocusLink Location Avg Negative Fold Change #P<N Pseudo-Probe Set Avg Negative Fold Change Pseudo-probe Sets

X07695_at	39657_at	<i>KRT4</i>	keratin 4	3851	Chr:12q12-q13	-12.699	28	-18.2803
X67683_at	39657_at	<i>KRT4</i>	keratin 4	3851	Chr:12q12-q13	-10.805	28	-18.2803
X95240_s_at	36464_at	<i>SGP28</i>	specific granule protein (28 kDa)	10321	Chr:6p12.3	-10.073	NA	NA
M84526_at	40282_s_at	<i>DF</i>	D component of complement (adipin)	1675	Chr:19p13.3	-3.262	28	-4.6954
X76732_at	35643_at	<i>NUCB2</i>	nucleobindin 2	4925	Chr:11p15.1-p14	-2.8104	28	-3.3028
L76465_at	32570_at	<i>HPGD</i>	hydroxyprostaglandin dehydrogenase 15-(NAD)	3248	Chr:4q34-q35	-2.5916	28	-2.9512
AF001620_at	40403_at	<i>MYOC</i>	myosin, trabecular meshwork inducible glucocorticoid response	4653	Chr:12p23-q24	-2.0607	28	-2.7446
D67445_at	41634_at	<i>KIAA0256</i>	KIAA0256 gene product	9728	Chr:15q15.2	-1.4763	27	-1.7242
U24488_s_at	38508_s_at	<i>TNXB</i>	tenascin XB	7148	Chr:6p21.3	-1.445	28	-1.9714
X14329_at	39593_at	<i>CPN1</i>	carboxypeptidase N, polypeptide 1, 50kD	1369	Chr:10q24.2	-1.4302	25	-1.1961
D79998_at	34858_at	<i>KIAA0176</i>	KIAA0176 protein	23510	Chr:17q25.2	-1.2946	19	-1.0949

### Genes with P < N in 27/28 Cases, Full Model

Hu6800 Probe Set	U95Av2 Probe Set	Gene Symbol	Title	LocusLink	Location	Avg Negative Fold Change	#P<N Pseudo-Probe Set	Avg Negative Fold Change Pseudo-probe Sets
X76223_s_at	38051_at	<i>MAL</i>	mal, T-cell differentiation protein	4118	Chr:2cen-q13	-11.229	27	-16.7368
X52426_s_at	36883_at	<i>KRT13</i>	keratin 13	3860	Chr:17q12-q21.2	-6.6029	27	-5.8841
Y07909_at	37762_at	<i>EMP1</i>	epithelial membrane protein 1	2012	Chr:12p12.3	-4.6598	27	-7.4031
U43916_s_at	37762_at	<i>EMP1</i>	epithelial membrane protein 1	2012	Chr:12p12.3	-4.5392	27	-7.4031
X76342_at	33529_at	<i>ADH7</i>	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	131	Chr:4q23-q24	-4.2338	27	-4.8165
X53296_s_at	37603_at	<i>IL1RN</i>	interleukin 1 receptor antagonist	3557	Chr:2q14.2	-3.9642	27	-4.8437
U65932_at	37600_at	<i>ECM1</i>	extracellular matrix protein 1	1893	Chr:1q21	-3.36	26	-4.6411
U67963_at	35792_at	<i>MGLL</i>	monoglyceride lipase	11343	Chr:3q21.3	-3.1028	28	-3.0406
Y07909_at	1321_s_at	<i>EMP1</i>	epithelial membrane protein 1	2012	Chr:12p12.3	-3.045	27	-7.4031
U43916_s_at	1321_s_at	<i>EMP1</i>	epithelial membrane protein 1	2012	Chr:12p12.3	-2.9662	27	-7.4031
X16354_at	988_at	<i>CEACAM1</i>	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	634	Chr:19q13.2	-2.5674	NA	NA
L76465_at	37322_s_at	<i>HPGD</i>	hydroxyprostaglandin dehydrogenase 15-(NAD)	3248	Chr:4q34-q35	-2.5305	28	-2.9512
U19495_s_at	32666_at	---	Intercrine-alpha, mRNA sequence	---	---	-2.3409	---	---
X03350_at	35730_at	<i>ADH1B</i>	alcohol dehydrogenase IB (class I), beta polypeptide	125	Chr:4q21-q23	-2.1126	27	-2.5948
X64559_at	36569_at	<i>TNA</i>	tetranectin (plasminogen binding protein)	7123	Chr:3p22-p21.3	-2.0912	27	-2.8094
X95826_at	34952_at	<i>DO</i>	Dombrock blood group	420	Chr:12q13.2-q13.3	-2.0393	18	-1.0783
L40379_at	36116_at	<i>TRIP10</i>	thyroid hormone receptor interactor 10	9322	Chr:19p13.3	-1.8874	27	-1.8904
L76465_at	37323_r_at	<i>HPGD</i>	hydroxyprostaglandin dehydrogenase 15-(NAD)	3248	Chr:4q34-q35	-1.7509	28	-2.9512
X68985_s_at	871_s_at	<i>HLF</i>	hepatic leukemia factor	3131	Chr:17q22	-1.7118	NA	NA
S73591_at	31508_at	<i>TXNP</i>	thioredoxin interacting protein	10628	Chr:1q21.1	-1.731	26	-1.8998
L19605_at	36637_at	<i>ANXA11</i>	annexin A11	311	Chr:10q23	-1.6991	28	-1.9847
U70063_at	36938_at	<i>ASAH1</i>	N-acylsphingosine amidohydrolase (acid ceramidase) 1	427	Chr:8q22-p21.3	-1.6917	27	-1.4685
Y09616_at	40882_at	<i>CES2</i>	carboxylesterase 2 (intestine, liver)	8624	Chr:16p21	-1.5173	NA	NA
D83407_at	32076_at	<i>DSCR1L1</i>	Down syndrome critical region gene 1-like 1	10231	Chr:6p12.3	-1.5182	28	-1.7327
U12778_at	40673_at	<i>ACADSB</i>	acyl-Coenzyme A dehydrogenase, short/branched chain	36	Chr:10q25-q26	-1.4601	26	-1.6175
U77604_at	820_at	<i>MGST2</i>	microsomal glutathione S-transferase 2	4258	Chr:4q28.3	-1.4343	26	-1.8604
X75252_at	32611_at	<i>PBP</i>	prostatic binding protein	5037	Chr:12q24.23	-1.404	26	-1.8026
U73514_at	40778_at	<i>HADH2</i>	hydroxyacyl-Coenzyme A dehydrogenase, type II	3028	Chr:Xp11.2	-1.383	22	-1.3057
U43965_at	36966_at	<i>ANK3</i>	ankyrin 3, node of Ranvier (ankyrin G)	288	Chr:10q21	-1.3264	22	-1.346
U38904_at	38142_at	<i>ZNF211</i>	zinc finger protein 211	10520	Chr:19q13.4	-1.3147	21	-1.1598
U10868_at	40685_at	<i>ALDH3B1</i>	aldehyde dehydrogenase 3 family, member B1	221	Chr:11q13	-1.2762	24	-1.3491
M13666_at	1471_at	<i>MYB</i>	v-myb myeloblastosis viral oncogene homolog (avian)	4602	Chr:6q22-q23	-1.2725	NA	NA
U53003_at	41749_at	<i>C21orf33</i>	chromosome 21 open reading frame 33	8209	Chr:21q22.3	-1.2431	28	-1.4987

### Genes with P < N in 26/28 Cases, Full Model

Hu6800 Probe Set	U95Av2 Probe Set	Gene Symbol	Title	LocusLink	Location	Avg Negative Fold Change	#P<N Pseudo-Probe Set	Avg Negative Fold Change Pseudo-probe Sets
AB001325_at	39248_at	<i>AQP3</i>	aquaporin 3	360	Chr:9p13	-3.1335	25	-2.8074
U17077_at	33331_at	<i>BENE</i>	BENE protein	7651	Chr:2q13	-2.9714	26	-2.9714
L33930_s_at	266_at	<i>CD24</i>	CD24 antigen (small cell lung carcinoma cluster 4 antigen)	934	Chr:6p21	-2.2693	27	-2.1194
D80010_at	38098_at	<i>LPIN1</i>	lipin 1	23175	Chr:2p25.1	-2.2006	28	-3.105
M62982_at	35124_at	<i>ALOX12</i>	arachidonate 12-lipoxygenase	239	Chr:17p13.1	-2.179	25	-1.9416
U27333_s_at	36290_s_at	<i>FUT6</i>	fucosyltransferase 6 (alpha (1,3) fucosyltransferase)	2528	Chr:19p13.3	-1.866	NA	NA
X16354_at	36082_at	<i>CEACAM1</i>	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	634	Chr:19q13.2	-1.8433	NA	NA
U27333_s_at	36289_f_at	<i>FUT6</i>	fucosyltransferase 6 (alpha (1,3) fucosyltransferase)	2528	Chr:19p13.3	-1.7541	NA	NA
U53786_at	39569_at	<i>EVPL</i>	envoplakin	2125	Chr:17q25	-1.7956	26	-1.6043
U09770_at	33232_at	<i>CRIP1</i>	cysteine-rich protein 1 (intestinal)	1396	Chr:7q11.23	-1.774	NA	NA
L11695_at	32903_at	<i>TGFBFR1</i>	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	7046	Chr:9q22	-1.7141	16	-1.0218
U70063_at	461_at	<i>ASAH1</i>	N-acylsphingosine amidohydrolase (acid ceramidase) 1	427	Chr:8p22-p21.3	-1.7478	27	-1.4685
X60489_at	35748_at	<i>EEF1B2</i>	eukaryotic translation elongation factor 1 beta 2	1933	Chr:2q33-q34	-1.71	27	-1.8498
D00408_s_at	1759_f_at	<i>CYP3A7</i>	cytochrome P450, subfamily IIIA, polypeptide 7	1551	Chr:7q21-q22.1	-1.6276	14	-1.0237
U82468_at	34030_at	<i>TULP1</i>	tubby like protein 1	7287	Chr:6p21.3	-1.5029	25	-1.2997
M81182_s_at	37038_at	<i>ABCD3</i>	ATP-binding cassette, sub-family D (ALD), member 3	5825	Chr:1p22-p21	-1.5049	27	-1.8147
L11695_at	1957_s_at	<i>TGFBFR1</i>	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	7046	Chr:9q22	-1.4582	16	-1.0218
J03507_at	37394_at	<i>C7</i>	complement component 7	730	Chr:5p13	-1.436	27	-1.626
J05412_at	38646_s_at	<i>REG1A</i>	regenerating islet-derived 1 alpha (pancreatic stone protein, pancreatic thread protein)	5967	Chr:2p12	-1.4567	20	-1.1049
D86985_at	37748_at	<i>KIAA0232</i>	KIAA0232 gene product	9778	Chr:4p16.1	-1.4441	26	-1.7236
D37931_at	32664_at	<i>RNASE4</i>	ribonuclease, RNase A family, 4	6038	Chr:14q11.1	-1.4368	NA	NA
M80899_at	37027_at	<i>AHNAK</i>	AHNAK nucleoprotein (desmoyokin)	195	Chr:11q12-q13	-1.4362	NA	NA
U85707_at	40763_at	<i>MEIS1</i>	Meis1, myeloid ecotropic viral integration site 1 homolog (mouse)	4211	Chr:2p14-p13	-1.4252	24	-1.5573
Y09267_at	34935_at	<i>FMO2</i>	flavin containing monooxygenase 2	2327	Chr:1q23-q25	-1.3983	NA	NA
X58528_s_at	37038_at	<i>ABCD3</i>	ATP-binding cassette, sub-family D (ALD), member 3	5825	Chr:1p22-p21	-1.3846	27	-1.8147
U15932_at	529_at	<i>DUSP6</i>	dual specificity phosphatase 5	1847	Chr:10q25	-1.3587	24	-2.0748
Z19002_at	39681_at	<i>ZNF145</i>	zinc finger protein 145 (Kruppel-like, expressed in promyelocytic leukemia)	7704	Chr:11q23.1	-1.3431	NA	NA
D11327_s_at	1760_s_at	<i>PTPN7</i>	protein tyrosine phosphatase, non-receptor type 7	5778	Chr:1q32.1	-1.3081	NA	NA
U16258_at	530_at	---	I kappa BR, mRNA sequence	---	---	-1.3437	---	---
U90336_at	39701_at	<i>PEG3</i>	paternally expressed 3	5178	Chr:19q13.4	-1.2826	23	NA
S77154_s_at	547_s_at	<i>NR4A2</i>	nuclear receptor subfamily 4, group A, member 2	4929	Chr:2q22-q23	-1.2625	NA	-1.8028
S77812_at	1567_at	<i>FLT1</i>	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	2321	Chr:13q12	-1.2376	NA	NA
J02947_s_at	692_s_at	<i>SOD3</i>	superoxide dismutase 3, extracellular	6649	Chr:4p16.3-q21	-1.2317	23	-1.2888
S38953_s_at	38508_s_at	<i>TNXB</i>	tenascin XB	7148	Chr:6p21.3	-1.2451	28	-1.9714
U90902_at	38370_at	---	Human clone 23612 mRNA sequence	---	---	-1.2365	---	---
D43682_s_at	38376_at	<i>ACADVL</i>	acyl-Coenzyme A dehydrogenase, very long chain	37	Chr:17p13-p11	-1.2031	28	-1.455
D86984_at	33771_at	<i>TA-LRRP</i>	T-cell activation leucine repeat-rich protein	23507	Chr:1p22.1	-1.2058	NA	NA
D86062_s_at	41749_at	<i>C21orf33</i>	chromosome 21 open reading frame 33	8209	Chr:21q22.3	-1.1941	28	-1.4987

D84307_at	34261_at	PCYT2	phosphate cytidyltransferase 2, ethanolamine	5833	Chr:17q25.3	-1.1568	NA	NA
M57732_at	34639_at	TCF1	transcription factor 1, hepatic; LF-B1, hepatic nuclear factor (HNF1), albumin proximal factor	6927	Chr:12q24.2	-1.1374	NA	NA

### Genes with P < N in 25/28 Cases, Full Model

Hu6800 Probe Set	U95Av2 Probe Set	Gene Symbol	Title	LocusLink	Location	Avg Negative Fold Change	#P<N Pseudo-Probe Set	Avg Negative Fold Change Pseudo-probe Sets
L10386_at	32868_at	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	7053	Chr:20q11.2	-6.2866	26	-13.3232
M74542_at	40031_at	ALDH3A1	aldehyde dehydrogenase 3 family, member A1	218	Chr:17p11.2	-4.1343	25	-4.2571
M93056_at	33305_at	SERPINB1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1	1992	Chr:6p25	-3.3278	25	-3.1774
AB001325_at	39249_at	AQP3	aquaporin 3	360	Chr:9p13	-2.9073	25	-2.8074
U70370_at	37920_at	PITX1	paired-like homeodomain transcription factor 1	5307	Chr:5q31	-2.8179	27	-2.7906
X53296_s_at	31343_at	IL1RN	interleukin 1 receptor antagonist	3557	Chr:2q14.2	-2.7458	27	-4.8437
U92314_s_at	41034_s_at	SUL2T81	sulfotransferase family, cytosolic, 2B, member 1	6820	Chr:19q13.3	-2.4249	26	-2.1498
M98539_at	216_at	PTGDS	prostaglandin D2 synthase 21kDa (brain)	5730	Chr:9q34.2-q34.3	-2.4632	25	-1.7224
D86980_at	37533_r_at	KIAA0227	KIAA0227 protein	23508	Chr:14q24.1	-2.2833	28	-2.3136
X05908_at	37403_at	ANXA1	annexin A1	301	Chr:9q12-q21.2	-2.2689	25	-2.1666
U71207_at	35226_at	EYA2	eyes absent homolog 2 (Drosophila)	2139	Chr:20q13.1	-2.162	27	-1.6457
X04412_at	32612_at	GSN	gelsolin (amyloidosis, Finnish type)	2934	Chr:9q33	-2.0739	NA	NA
M98539_at	38406_f_at	PTGDS	prostaglandin D2 synthase 21kDa (brain)	5730	Chr:9q34.2-q34.3	-2.1128	25	-1.7224
L15296_s_at	37071_at	CNGB1	cyclic nucleotide gated channel beta 1	1258	Chr:16q13	-2.0954	13	-0.85792
U37519_at	37956_at	---	Aldehyde dehydrogenase, mRNA sequence	---	---	-2.0575	---	---
D38524_at	31794_at	NT5C2	5'-nucleotidase, cytosolic II	22978	Chr:10q24.32	-1.9863	26	-1.8296
D38524_at	738_at	NT5C2	5'-nucleotidase, cytosolic II	22978	Chr:10q24.32	-1.9699	26	-1.8296
U47414_at	1913_at	CCNG2	cyclin G2	901	Chr:4q21.21	-1.9159	25	-1.9639
D10687_s_at	37407_s_at	MYH11	myosin, heavy polypeptide 11, smooth muscle	4629	Chr:16p13.13-p13.12	-1.9147	26	-2.2701
U53506_at	31902_at	DIO2	deiodinase, iodothyronine, type II	1734	Chr:14q24.2-q24.3	-1.9581	NA	NA
AF000231_at	36660_at	RAB11A	RAB11A, member RAS oncogene family	8766	Chr:15q21.3-q22.31	-1.8327	25	-1.9836
U66497_at	34267_r_at	LEPR	leptin receptor	3953	Chr:1p31	-1.7041	NA	NA
L19593_at	664_at	IL8RB	interleukin 8 receptor, beta	3579	Chr:2q35	-1.7884	25	-1.2228
U10485_at	35974_at	LRMP	lymphoid-restricted membrane protein	4033	Chr:12p12.1	-1.7296	24	-2.0153
D16217_at	41257_at	CAST	calpastatin	831	Chr:5q15-q21	-1.7941	NA	NA
X76180_at	35207_at	DC12	DC12 protein	56941	Chr:3	-1.7063	NA	NA
U69546_at	32851_at	CUGBP2	CUG triplet repeat, RNA binding protein 2	10659	Chr:10p13	-1.7676	NA	NA
U41740_at	32150_at	GOLGA4	golgi autoantigen, golgin subfamily a, 4	2803	Chr:3p22-p21.3	-1.7275	NA	NA
U91903_at	40230_at	FRZB	frizzled-related protein	2487	Chr:2qter	-1.6521	NA	NA
M16750_s_at	1779_s_at	PIM1	pim-1 oncogene	5292	Chr:6p21.2	-1.667	24	-1.5863
L08485_at	39321_at	GABRA5	gamma-aminobutyric acid (GABA) A receptor, alpha 5	2558	Chr:15q11.2-q12	-1.5597	NA	NA
M98833_at	41425_at	FLI1	Friend leukemia virus integration 1	2313	Chr:11q24.1-q24.3	-1.5928	22	-1.1995
D87292_at	36123_at	TST	thiosulfate sulfurtransferase (rhodanese)	7263	Chr:22q13.1	-1.5427	23	-1.5826
D87735_at	31907_at	RPL14	ribosomal protein L14	9045	Chr:3p22-p21.2	-1.5323	27	-1.641
X04325_at	39598_at	GJB1	gap junction protein, beta 1, 32kDa (connexin 32, Charcot-Marie-Tooth neuropathy, X-linked)	2705	Chr:Xq13.1	-1.5177	18	-1.0806
U37221_at	33188_at	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	23759	Chr:22q11.21	-1.5216	NA	NA
J02843_at	40379_at	CYP2E1	cytochrome P450, subfamily IIE (ethanol-inducible), polypeptide 1	1571	Chr:10q24.3-qter	-1.5029	25	-1.6078
U43965_at	36965_at	ANK3	ankyrin 3, node of Ranvier (ankyrin G)	288	Chr:10q21	-1.5276	22	-1.346
U79253_at	40026_g_at	ATPW	mitochondrial ATP synthase regulatory component factor B	27109	Chr:14q21.3	-1.4991	27	-1.2928
U73843_at	40445_at	ELF3	E74-like factor 3 (ets domain transcription factor, epithelial-specific)	1999	Chr:1q32.2	-1.4139	NA	NA
X16323_at	1340_s_at	HGF	hepatocyte growth factor (hepatoietin A; scatter factor)	3082	Chr:7q21.1	-1.3997	NA	NA
M97676_at	214_at	MSX1	msh homeo box homolog 1 (Drosophila)	4487	Chr:4p16.3-p16.1	-1.3919	21	-1.1512
S69369_at	38900_at	PAX3	paired box gene 3 (Waardenburg syndrome 1)	5077	Chr:2q35	-1.3865	20	-1.1813
D14664_at	34760_at	BIMLEC	C-type lectin BIMLEC precursor	9936	Chr:2q24.2	-1.3673	NA	NA
D87452_at	36154_at	IHPK1	inositol hexaphosphate kinase 1	9807	Chr:3p21.31	-1.3535	NA	NA
S69272_s_at	34789_at	SERPINB6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	5269	Chr:6p25	-1.3109	27	-1.5448
U28368_at	41536_at	ID4	inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	3400	Chr:6p22-p21	-1.3092	NA	NA
D86959_at	38669_at	SLK	Ste20-related serine/threonine kinase	9748	Chr:10q24.32	-1.3451	NA	NA
M10321_s_at	607_s_at	VWF	von Willebrand factor	7450	Chr:12p13.3	-1.3136	NA	NA
X93498_at	36039_s_at	SH3BGR	SH3 domain binding glutamic acid-rich protein	6450	Chr:21q22.3	-1.3074	22	-1.5067
D90086_at	39160_at	PDHb	pyruvate dehydrogenase (liponamide) beta	5162	Chr:3p21.1-p14.2	-1.3005	26	-1.3592
U09578_at	1637_at	MAPKAPK3	mitogen-activated protein kinase-activated protein kinase 3	7867	Chr:3p21.3	-1.2987	27	-1.4109
M21624_at	38917_at	TRD@	T cell receptor delta locus	6964	Chr:14q11.2	-1.2807	NA	NA
M13577_at	35817_at	MBP	myelin basic protein	4155	Chr:18q23	-1.2831	NA	NA
S81294_at	1349_at	---	---	---	---	-1.2757	---	---
M12963_s_at	34637_at	ADH1A	DCC [Homo sapiens], mRNA sequence	124	Chr:4q21-q23	-1.2745	27	-1.926
D86096_cds3_at	32689_at	PTGER3	alcohol dehydrogenase 1A (class I), alpha polypeptide	5733	Chr:1p31.2	-1.2638	NA	NA
U71364_at	34438_at	SERPINB9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9	5272	Chr:6p25	-1.2498	19	-1.1122
U52840_at	35204_at	SEMA5A	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasm	9037	Chr:5p15.2	-1.2576	NA	NA
M93718_at	1961_f_at	NOS3	nitric oxide synthase 3 (endothelial cell)	4846	Chr:7q36	-1.2531	14	-1.0311
U37143_at	501_g_at	CYP2J2	cytochrome P450, subfamily IIJ (arachidonic acid epoxygenase) polypeptide 2	1573	Chr:1p31.3-p31.2	-1.2579	26	-1.3844
Y10659_at	35797_at	IL13RA1	interleukin 13 receptor, alpha 1	3597	Chr:Xq24	-1.2703	NA	NA
U66198_at	36232_at	FGF13	fibroblast growth factor 13	2258	Chr:Xq26.3	-1.2226	16	-1.0468
S42457_at	37840_at	CNGA1	cyclic nucleotide gated channel alpha 1	1259	Chr:4p12-cen	-1.205	NA	NA
S69369_at	1344_at	PAX3	paired box gene 3 (Waardenburg syndrome 1)	5077	Chr:2q35	-1.2268	20	-1.1813
Z22780_at	365_at	CYL1C1	cyclin, basic protein of sperm head cytoskeleton 1	1538	Chr:Xq21.1	-1.1961	NA	NA
L42374_s_at	635_s_at	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	5526	Chr:11q12	-1.2151	NA	NA
AB006190_at	39568_g_at	AQP7	aquaporin 7	364	Chr:9p13	-1.1934	24	-1.2135
M60314_at	1831_at	BMP5	bone morphogenetic protein 5	1831	Chr:6p12.1	-1.1913	22	-1.131
U37143_at	500_at	CYP2J2	cytochrome P450, subfamily IIJ (arachidonic acid epoxygenase) polypeptide 2	1573	Chr:1p31.3-p31.2	-1.1891	26	-1.3844
U81523_at	39325_at	EBAF	endometrial bleeding associated factor (left-right determination, factor A; transforming growth factor beta superfamily)	7044	Chr:1q42.1	-1.1698	22	-1.0966
U59302_at	484_at	NCOA1	nuclear receptor coactivator 1	8648	Chr:2p23	-1.1834	24	-1.3458
L13852_at	1294_at	UBE1L	ubiquitin-activating enzyme E1-like	7318	Chr:3p21	-1.1664	24	-1.2317
L34409_at	35034_at	---	Homo Sapiens (clone B3B3E13) chromosome 4p16.3 DNA fragment, mRNA sequence	---	---	-1.1521	---	---
S80335_at	2019_s_at	ITGB7	integrin, beta 7	3695	Chr:12q13.13	-1.142	NA	NA
U79280_at	41412_at	PIPPIN	ortholog of rat pippin	27254	Chr:22q13.2-q13.31	-1.1488	NA	NA
U02687_at	34583_at	FLT3	fms-related tyrosine kinase 3	2322	Chr:13q12	-1.1266	20	-1.1412
U76010_at	34457_at	SLC30A3	solute carrier family 30 (zinc transporter), member 3	7781	Chr:7	-1.1231	21	-1.1333