

Supplementary Table S1

Array geneset information

CloneID	UniGene Cluster	Symbol	Name
207618	Hs.446641	ARAF	V-raf murine sarcoma 3611 viral oncogene homolog
782513	Hs.523847	IFI6	Interferon, alpha-inducible protein 6
233581	Hs.50308	UBE2K	Ubiquitin-conjugating enzyme E2K
62277	Data not found		
785845	Hs.594250	TFAM	Transcription factor A, mitochondrial
758222	Hs.477	HSD17B3	Hydroxysteroid (17-beta) dehydrogenase 3
239877	Hs.519632	HDAC3	Histone deacetylase 3
294487	In multiple ClusterIDs		
712641	Hs.279640	TPR	Translocated promoter region, nuclear basket protein
156386	Hs.514038	FLOT2	Flotillin 2
544639	Hs.95612	DSC2	Desmocollin 2
52629	Hs.434875	CAMK1	Calcium/calmodulin-dependent protein kinase I
796258	Hs.463412	SGCA	Sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein)
145681*	Hs.519075	LMOD1	Leiomodin 1 (smooth muscle)
563392	Hs.591360	CCDC6	Coiled-coil domain containing 6
376206*	Hs.655519	SYNPO2	Synaptopodin 2
122394	Hs.73797	GNA15	Guanine nucleotide binding protein (G protein), alpha 15 (Gq class)
868400	Hs.79322	QARS	Glutaminyl-tRNA synthetase
288695	Hs.129261	SS18	Synovial sarcoma translocation, chromosome 18
490819	Hs.151641	LRRC32	Leucine rich repeat containing 32
487071	Hs.82963	GNRH1	Gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)
856447	Hs.14623	IFI30	Interferon, gamma-inducible protein 30
840486	Hs.440848	VWF	Von Willebrand factor
773305	Hs.504352	NTM	Neurotrimin
155575	Hs.437422	EPB41L1	Erythrocyte membrane protein band 4.1-like 1
740914	Hs.208597	CTBP1	C-terminal binding protein 1
343646	In multiple ClusterIDs		
297392	Hs.374950	MT1X	Metallothionein 1X
772111	Hs.481819	PDZD2	PDZ domain containing 2

789049	In multiple ClusterIDs		
322617	Hs.469820	RALB	V-rac simian leukemia viral oncogene homolog B (ras related; GTP binding protein)
789069	In multiple ClusterIDs		
785963	Hs.655407	ZCCHC11	Zinc finger, CCHC domain containing 11
207358	Hs.473721	SLC2A1	Solute carrier family 2 (facilitated glucose transporter), member 1
796278	Hs.355348	GTF2H3	General transcription factor IIH, polypeptide 3, 34kDa
971382	Hs.292265	ZMYND11	Zinc finger, MYND-type containing 11
725176	Hs.520037	NEU1	Sialidase 1 (lysosomal sialidase)
855586	Hs.703520		Transcribed locus
435036	Hs.3416	PLIN2	Perilipin 2
502622	Hs.387567	ACLY	ATP citrate lyase
364934	Hs.380277	DAPK1	Death-associated protein kinase 1
469306	Hs.153444	GRP	Gastrin-releasing peptide
725501	Hs.654596	ZBTB6	Zinc finger and BTB domain containing 6
878449	Hs.335079	MAP1B	Microtubule-associated protein 1B
490805	Hs.643658	NCOA4	Nuclear receptor coactivator 4
323238	Hs.789	CXCL1	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
200018	Hs.2484	TCL1A	T-cell leukemia/lymphoma 1A
845663	Hs.471818	CAPRIN1	Cell cycle associated protein 1
361807	Hs.517978	GNAT1	Guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1
454908	Hs.119689	CGA	Glycoprotein hormones, alpha polypeptide
852913	Hs.105465	SNRPF	Small nuclear ribonucleoprotein polypeptide F
429368	Hs.89583	TLX1	T-cell leukemia homeobox 1
811740	Hs.482077	ITGA2	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
1089539	Hs.654380	KRT14	Keratin 14
594502	Hs.244139	FAS	Fas (TNF receptor superfamily, member 6)
759142	Hs.470399	ITGB6	Integrin, beta 6
842884	Hs.115474	RFC3	Replication factor C (activator 1) 3, 38kDa
1269337	Hs.109731	GLG1	Golgi glycoprotein 1
625584	Hs.517972	TRAIP	TRAF interacting protein
767055	Hs.252451	SEMA3A	Sema domain, immunoglobulin domain (Ig), short basic

			domain, secreted, (semaphorin) 3A
843170	Hs.73853	BMP2	Bone morphogenetic protein 2
1472775	Hs.654548	COL8A1	Collagen, type VIII, alpha 1
646654	Hs.191346	Sep-07	Septin 7
769716	Hs.187898	NF2	Neurofibromin 2 (merlin)
845363	Hs.463456	NME2	NME/NM23 nucleoside diphosphate kinase 2
1520872	Hs.657729	LRP2	Low density lipoprotein receptor-related protein 2
665726	In multiple ClusterIDs		
772057	In multiple ClusterIDs		
868212	Hs.369397	TGFBI	Transforming growth factor, beta-induced, 68kDa
1523210	Hs.487360	NOTCH2	Notch 2
725308	Hs.1030	RIN1	Ras and Rab interactor 1
415388	Hs.18573	ACYP1	Acylphosphatase 1, erythrocyte (common) type
743230	Hs.523789	NEAT1	Nuclear paraspeckle assembly transcript 1 (non-protein coding)
345833	Hs.591731	HNRNPAB	Heterogeneous nuclear ribonucleoprotein A/B
41406	Hs.533336	BAMBI	BMP and activin membrane-bound inhibitor homolog ( <i>Xenopus laevis</i> )
82225	Hs.213424	SFRP1	Secreted frizzled-related protein 1
68605	Hs.479808	IGFBP7	Insulin-like growth factor binding protein 7
625584	Hs.517972	TRAIP	TRAF interacting protein
141731	Hs.592095	SLC16A5	Solute carrier family 16, member 5 (monocarboxylic acid transporter 6)
81475	Hs.8546	NOTCH3	Notch 3
624360	Hs.180062	PSMB8	Proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)
838434	Hs.72910	CRYGC	Crystallin, gamma C
590544	In multiple ClusterIDs		
755402	Hs.265829	ITGA3	Integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)
811015	Hs.25647	FOS	FBJ murine osteosarcoma viral oncogene homolog
1057458	Hs.485233	MAPK14	Mitogen-activated protein kinase 14
592125	Hs.519842	RIPK1	Receptor (TNFRSF)-interacting serine-threonine kinase 1
756465	Hs.591033	MMP19	Matrix metalloproteinase 19
207794	Hs.75643	NFE2	Nuclear factor (erythroid-derived 2), 45kDa
293916	Hs.597209		Transcribed locus, strongly similar to XP_003892248.1

			PREDICTED: glomulin-like [Papio anubis]
299679	Hs.536913		PA9=candidate tumor suppressor gene {3' region} [human, HEN endocervical cell line, mRNA Partial, 292 nt]
144932	Hs.433201	CDK2AP1	Cyclin-dependent kinase 2 associated protein 1
245136	Hs.16349	ATMIN	ATM interactor
138991	Hs.233240	COL6A3	Collagen, type VI, alpha 3
21899	Hs.285197	SRPK2	SRSF protein kinase 2
491544	In multiple ClusterIDs		
40608	Hs.388226	HCRTR1	Hypocretin (orexin) receptor 1
741831	Hs.439312	PLTP	Phospholipid transfer protein
435858	Hs.23262	RNASE6	Ribonuclease, RNase A family, k6
531957	In multiple ClusterIDs		
85320	Hs.295923		Transcribed locus
77244	In multiple ClusterIDs		
744800	Hs.19718	PTPRU	Protein tyrosine phosphatase, receptor type, U
79592	Hs.571886	AKR7A2	Aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)
49303	Hs.655213	PPP2R2B	Protein phosphatase 2, regulatory subunit B, beta
609087	Hs.349656	SCARB2	Scavenger receptor class B, member 2
244703	Hs.696554	ITGBL1	Integrin, beta-like 1 (with EGF-like repeat domains)
207288	Hs.520819	INSIG1	Insulin induced gene 1
283301	Hs.97270	FAM13A	Family with sequence similarity 13, member A
139573	In multiple ClusterIDs		
166004	Hs.466766	LTBP4	Latent transforming growth factor beta binding protein 4
47475	Hs.519702	CYFIP2	Cytoplasmic FMR1 interacting protein 2
43207	Hs.441202		GFRA2
243580	Hs.220864	CHD2	Chromodomain helicase DNA binding protein 2
770192	Hs.81337	LGALS9	Lectin, galactoside-binding, soluble, 9
243358	Hs.46700	ING1	Inhibitor of growth family, member 1
755416	Hs.167700	SMAD5	SMAD family member 5
130820	Hs.443881	PAXIP1	PAX interacting (with transcription-activation domain) protein 1
129865	Hs.250822	AURKA	Aurora kinase A
33478	Hs.335084	FPGS	Folylpolyglutamate synthase

347373	In multiple ClusterIDs		
340558	Hs.518609	ARPC5	Actin related protein 2/3 complex, subunit 5, 16kDa
206994	Hs.478125	INADL	InaD-like (Drosophila)
770910	Hs.603657	ELF3	E74-like factor 3 (ets domain transcription factor, epithelial-specific )
824081	Hs.490765	KCNN3	Potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3
725076	Hs.97439	NT5C2	5'-nucleotidase, cytosolic II
511303	Hs.410477	PLA2R1	Phospholipase A2 receptor 1, 180kDa
222107	Hs.479756	KDR	Kinase insert domain receptor (a type III receptor tyrosine kinase)
825648	Hs.81221	IGHV5-78	Immunoglobulin heavy variable 5-78 (pseudogene)
1472643	Hs.370504	RPS15A	Ribosomal protein S15a
681997	Hs.591167	DLX4	Distal-less homeobox 4
754736	Hs.436873	ITGAV	Integrin, alpha V
430614	Hs.198365	BPGM	2,3-bisphosphoglycerate mutase
896949	Hs.643495		Transcribed locus
1358393	Hs.514012	MAP2K3	Mitogen-activated protein kinase kinase 3
2465945	Hs.446376	APC2	Adenomatosis polyposis coli 2
502177*	Hs.460109	MYH11	Myosin, heavy chain 11, smooth muscle
810272*	Hs.444403	PPP1R12B	Protein phosphatase 1, regulatory subunit 12B
588829*	Hs.315137	AARS	Alanyl-tRNA synthetase
28218*	Hs.7195	GABRG2	Gamma-aminobutyric acid (GABA) A receptor, gamma 2
241489	In multiple ClusterIDs		
856650	Hs.418668	ATP5D	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, delta subunit
856535	Hs.652308	MTHFD1	Methylenetetrahydrofolate dehydrogenase (NADP <sup>+</sup> dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase
432210	Hs.2246	CPN1	Carboxypeptidase N, polypeptide 1
377252	Hs.167046	ADORA2B	Adenosine A2b receptor
809876	Hs.524464	ATP5G2	ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex, subunit C2 (subunit 9)
814780	Hs.591269	CAMK4	Calcium/calmodulin-dependent protein kinase IV
505881	Hs.654536	ADA	Adenosine deaminase

502055	Hs.149103	ARSB	Arylsulfatase B
300367	Hs.41565	MSTN	Myostatin
586650	Hs.25450	SLC29A1	Solute carrier family 29 (nucleoside transporters), member 1
857681	Hs.547172	MAMDC2	MAM domain containing 2
588911	Hs.524760	OAS1	2'-5'-oligoadenylate synthetase 1, 40/46kDa
2066371	Hs.260074	CYP19A1	Cytochrome P450, family 19, subfamily A, polypeptide 1
704690	Hs.201918	HIPK3	Homeodomain interacting protein kinase 3
858293	Hs.74405	YWHAQ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
246748	Hs.159494	BTK	Bruton agammaglobulinemia tyrosine kinase
2147728	Hs.150749	BCL2	B-cell CLL/lymphoma 2
789314	Hs.1799	CD1D	CD1d molecule
741977	Hs.69771	CFB	Complement factor B
307069	Hs.523841	ALDH3B1	Aldehyde dehydrogenase 3 family, member B1
28510	Hs.519220	CNTN2	Contactin 2 (axonal)
229901	Hs.75262	CTSO	Cathepsin O
755923	Hs.31210	BCL3	B-cell CLL/lymphoma 3
856519	Hs.499886	ALDH3A2	Aldehyde dehydrogenase 3 family, member A2
841179	Hs.632368	EXOSC10	Exosome component 10
949971	Hs.496487	ATF4	Activating transcription factor 4 (tax-responsive enhancer element B67)
342181	Hs.150749	BCL2	B-cell CLL/lymphoma 2
208542	Hs.1219	ADH4	Alcohol dehydrogenase 4 (class II), pi polypeptide
825170	Hs.477155	ATP6V1A	ATPase, H <sup>+</sup> transporting, lysosomal 70kDa, V1 subunit A
789383	Hs.200250	CREM	CAMP responsive element modulator
206795	In multiple ClusterIDs		
266312	Hs.492280	ATP7B	ATPase, Cu <sup>++</sup> transporting, beta polypeptide
486113	In multiple ClusterIDs		
448193	Hs.632446	ARNT	Aryl hydrocarbon receptor nuclear translocator
1011317	Hs.194669	EZH1	Enhancer of zeste homolog 1 (Drosophila)
344489	Hs.203952	TRRAP	Transformation/transcription domain-associated protein
1711262	Hs.9333	PDE8A	Phosphodiesterase 8A
800137	Hs.155644	PAX2	Paired box 2
2090446	Hs.655467	POLH	Polymerase (DNA directed), eta

2535214	Hs.518513	TNK2	Tyrosine kinase, non-receptor, 2
1467706	Hs.643130	PAWR	PRKC, apoptosis, WT1, regulator
2578771	Hs.713764	ACTG1	Actin, gamma 1
712162	Hs.146806	CUL1	Cullin 1
953543	Hs.654616	CASP6	Caspase 6, apoptosis-related cysteine peptidase
1873594	Hs.267659	VAV3	Vav 3 guanine nucleotide exchange factor
179667	Data not found		
1113071	Hs.235935	NOV	Nephroblastoma overexpressed
2357094	Hs.291363	CHEK2	Checkpoint kinase 2
298625	Hs.380271	OGG1	8-oxoguanine DNA glycosylase
2518510	Hs.517517	EP300	E1A binding protein p300
2089793	Hs.709201	FGD1	FYVE, RhoGEF and PH domain containing 1
2005569	Hs.481022	SFRP2	Secreted frizzled-related protein 2
345103	Hs.523329	EPHB2	EPH receptor B2
129988	Hs.89538	CETP	Cholesteryl ester transfer protein, plasma
796388	Hs.444329	GPC6	Glypican 6
1456160	Hs.546239	AZGP1	Alpha-2-glycoprotein 1, zinc-binding
328745	Hs.368626	RTN1	Reticulon 1
809998	Hs.655232		AMY1C
1410444	Hs.270833	AREG	Amphiregulin
1493527	Hs.489207	ASNS	Asparagine synthetase (glutamine-hydrolyzing)
47481	Hs.85201	CLEC2B	C-type lectin domain family 2, member B
815575	Hs.153961	ACTR1A	ARP1 actin-related protein 1 homolog A, centractin alpha (yeast)
1469230	Hs.743989	COX8A	Cytochrome c oxidase subunit VIIIA (ubiquitous)
1493383	Hs.618145	CIRBP	Cold inducible RNA binding protein
1950962	Hs.82071	CITED2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
1406602	Hs.655801	TNFRSF10C	Tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain
842884	Hs.115474	RFC3	Replication factor C (activator 1) 3, 38kDa
2089619	Hs.19192	CDK2	Cyclin-dependent kinase 2
1582627	Hs.459211	AKAP13	A kinase (PRKA) anchor protein 13
325224	Hs.653163	TAF9	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa
230218	Hs.94672	BLOC1S1	Biogenesis of lysosomal organelles complex-1, subunit 1

236355	In multiple ClusterIDs		
300237	In multiple ClusterIDs		
276449	Hs.255230	GUSB	Glucuronidase, beta
214068	Hs.524134	GATA3	GATA binding protein 3
306901	In multiple ClusterIDs		
564756	Hs.587054	G3BP1	GTPase activating protein (SH3 domain) binding protein 1
42864	Hs.369089	COL4A5	Collagen, type IV, alpha 5
812033	Hs.328232	GPC1	Glypican 1
1323157	Hs.362324	ZNF345	Zinc finger protein 345
488207	Hs.468675	PDPN	Podoplanin
41074	Hs.10734	CHRNA4	Cholinergic receptor, nicotinic, alpha 4 (neuronal)
767495	Hs.21509	GLI3	GLI family zinc finger 3
1476181	Hs.122511	CETN1	Centrin, EF-hand protein, 1
769926	Hs.93659	PDIA4	Protein disulfide isomerase family A, member 4
782406	Hs.498313	ADSS	Adenylosuccinate synthase
823574	In multiple ClusterIDs		
1323539	Hs.327179	SLC17A3	Solute carrier family 17 (sodium phosphate), member 3
160656	Hs.625725	BCAM	Basal cell adhesion molecule (Lutheran blood group)
245920	Hs.82614	GYS2	Glycogen synthase 2 (liver)
756480	Hs.532790	NMT1	N-myristoyltransferase 1
139009	Hs.203717	FN1	Fibronectin 1
755037	In multiple ClusterIDs		
248261	Hs.584238	GLDC	Glycine dehydrogenase (decarboxylating)
768443	Hs.389700	MGST1	Microsomal glutathione S-transferase 1
752631	Hs.732357		Transcribed locus
33690	Hs.369606	CPSF6	Cleavage and polyadenylation specific factor 6, 68kDa
811792	Hs.82327	GSS	Glutathione synthetase
52228	Hs.519693		GRIA1
360478	Hs.483635	FGF1	Fibroblast growth factor 1 (acidic)
509760	In multiple ClusterIDs		
713922	Hs.279837	GSTM2	Glutathione S-transferase mu 2 (muscle)
173228	Hs.151413	GMFB	Glia maturation factor, beta



767851	Hs.591133	FBN1	Fibrillin 1
768299	Hs.712948	ZNF652	Zinc finger protein 652
361639	Hs.315562	GCLM	Glutamate-cysteine ligase, modifier subunit
950445	Hs.105818	PPP2CA	Protein phosphatase 2, catalytic subunit, alpha isozyme
951233	Hs.82793	PSMB3	Proteasome (prosome, macropain) subunit, beta type, 3
627542	Hs.488143	BLVRA	Biliverdin reductase A
236305	In multiple ClusterIDs		
128302	Hs.504613	PTMS	Parathyrosin
781050	Hs.655327	PFDN5	Prefoldin subunit 5
203132	Hs.478275	TNFSF10	Tumor necrosis factor (ligand) superfamily, member 10
208413	Hs.182385	HPN	Hepsin
135083	Hs.591095	PDIA3	Protein disulfide isomerase family A, member 3
83363	Hs.279257	PCMT1	Protein-L-isoaspartate (D-aspartate) O-methyltransferase
235155	Hs.433300	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide
785293	Hs.502775	PLA2G16	Phospholipase A2, group XVI
212621*	Hs.500483	ACTA2	Actin, alpha 2, smooth muscle, aorta
68828	Hs.414795	SERPINE1	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
264566*	Hs.476432		SLMAP
166245	Hs.558334	GRIN1	Glutamate receptor, ionotropic, N-methyl D-aspartate 1
307660	Hs.391561	FABP4	Fatty acid binding protein 4, adipocyte
450307	Hs.75841	ERP29	Endoplasmic reticulum protein 29
290724	Hs.130838	MICA	MHC class I polypeptide-related sequence A
33643	Data not found		
530359	Hs.370312	FNTA	Farnesyltransferase, CAAX box, alpha
278808	Hs.502511	SPI1	Spleen focus forming virus (SFFV) proviral integration oncogene spi1
154093	Hs.632531	CIR1	Corepressor interacting with RBPJ, 1
595009	Hs.643553	LINC00667	Long intergenic non-protein coding RNA 667
502369	Hs.443831	PDCD5	Programmed cell death 5
712840	Hs.595276	STAT5B	Signal transducer and activator of transcription 5B
66718	Hs.226307		APOBEC3B
46916	Hs.546267	MMP16	Matrix metalloproteinase 16 (membrane-inserted)
859359	Hs.50649	TP53I3	Tumor protein p53 inducible protein 3
897596	Hs.532359		RPL5

85840	Hs.503911	NNMT	Nicotinamide N-methyltransferase
358531	In multiple ClusterIDs		
275180	In multiple ClusterIDs		
49351	Hs.632839	PLXNA3	Plexin A3
756687	Hs.731377	SCARB1	Scavenger receptor class B, member 1
743077	Hs.98008	GK2	Glycerol kinase 2
724932	Hs.235116	GRK6	G protein-coupled receptor kinase 6
291965	Hs.128067	WIPF1	WAS/WASL interacting protein family, member 1
741885	In multiple ClusterIDs		
263014	Hs.268573	GSTT1	Glutathione S-transferase theta 1
433253	Hs.494496	FBP1	Fructose-1,6-bisphosphatase 1
51826	Hs.482043	NNT	Nicotinamide nucleotide transhydrogenase
179776	Hs.89864		SKIV2L
256907	Hs.102484	GSTA3	Glutathione S-transferase alpha 3
502367	Hs.24601	FBLN1	Fibulin 1
855890	Hs.350265	LONP1	Lon peptidase 1, mitochondrial
291478	Hs.170019	RUNX3	Runt-related transcription factor 3
489839	Hs.435765	ENPEP	Glutamyl aminopeptidase (aminopeptidase A)
855755	Hs.299002	FBL	Fibrillarlin
365883	Hs.413482	C21orf33	Chromosome 21 open reading frame 33
773290	Hs.662503		Transcribed locus
899976	Hs.405958	CDC6	Cell division cycle 6
1579639	Hs.856	IFNG	Interferon, gamma
712899	Hs.473163	BMP7	Bone morphogenetic protein 7
785802	Hs.481022	SFRP2	Secreted frizzled-related protein 2
978715	Hs.524390	TUBA1B	Tubulin, alpha 1b
1589786	Hs.111	FGF9	Fibroblast growth factor 9 (glia-activating factor)
740302	Hs.490415	ZYX	Zyxin
796096	Hs.461925	RPA1	Replication protein A1, 70kDa
1011586	Hs.440955	ITGA4	Integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
1616363	Hs.503878	NCAM1	Neural cell adhesion molecule 1
742936	In multiple ClusterIDs		

796989	Hs.733399		Transcribed locus, strongly similar to NP_000957.1 RARG gene product [Homo sapiens]
1031744	Hs.492407	YWHAZ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
1627984	Hs.269408	E2F3	E2F transcription factor 3
754034	Hs.1166	THPO	Thrombopoietin
809526	Hs.32981	SEMA3F	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F
1034293	Hs.1274	BMP1	Bone morphogenetic protein 1
1631867	Hs.388739	XRCC5	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)
285460	Hs.390171	COL11A2	Collagen, type XI, alpha 2
796134	Hs.594838	MAP3K7	Mitogen-activated protein kinase kinase kinase 7
594517	In multiple ClusterIDs		
755581	In multiple ClusterIDs		
204686	Hs.442498	FXYP1	FXYP domain containing ion transport regulator 1
67759	Hs.507658	ALOX5AP	Arachidonate 5-lipoxygenase-activating protein
877835	Hs.182825	RPL35	Ribosomal protein L35
611075	Hs.67397	HOXA1	Homeobox A1
769537	Hs.196176	ECH1	Enoyl CoA hydratase 1, peroxisomal
86160	In multiple ClusterIDs		
511091	Hs.646318		ANKRD36C
302632	Hs.155586	LRRC23	Leucine rich repeat containing 23
666121	Hs.517228	TIAM1	T-cell lymphoma invasion and metastasis 1
774100	Hs.522818	L1CAM	L1 cell adhesion molecule
877827	Hs.311640	RPS27A	Ribosomal protein S27a
1555706	Hs.514174	JUP	Junction plakoglobin
685926	Data not found		
784589	Hs.80343	MMP15	Matrix metalloproteinase 15 (membrane-inserted)
127193	Hs.407482	MFSD2B	Major facilitator superfamily domain containing 2B
150623	Hs.137510		NCOR2
357344	Hs.95162	KCNQ1	Potassium voltage-gated channel, KQT-like subfamily, member 1
137836	Hs.478150	PDCD10	Programmed cell death 10
359982	Data not found		

767828	Hs.404568	HPS1	Hermansky-Pudlak syndrome 1
46938	In multiple ClusterIDs		
23514	Hs.731575		TAS2R14
770704	In multiple ClusterIDs		
298303	Hs.310511	CCL25	Chemokine (C-C motif) ligand 25
855487	Hs.527412	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1
45645	Hs.155090	GNB5	Guanine nucleotide binding protein (G protein), beta 5
725188	Hs.526521	MDH1	Malate dehydrogenase 1, NAD (soluble)
869538	Hs.50098	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa
866702	Hs.436142	PTPN13	Protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
796759	Hs.699301	VDAC3	Voltage-dependent anion channel 3
859422	Hs.466148	NR2F6	Nuclear receptor subfamily 2, group F, member 6
869187	Hs.468410	EPAS1	Endothelial PAS domain protein 1
236333	Hs.699822	ISLR	Immunoglobulin superfamily containing leucine-rich repeat
823691	In multiple ClusterIDs		
813818	Hs.652255	RRP8	Ribosomal RNA processing 8, methyltransferase, homolog (yeast)
897497	Hs.659350	HOXA10	Homeobox A10
179534	Hs.161851	KCNQ2	Potassium voltage-gated channel, KQT-like subfamily, member 2
813171	Hs.372541	KBTBD2	Kelch repeat and BTB (POZ) domain containing 2
241985	Hs.731866		SNRPN
212649	Hs.1498	HRG	Histidine-rich glycoprotein
129146	In multiple ClusterIDs		
187266	Hs.409137		EIF2B2
813591	Hs.444776		ACOT8
363103	Hs.597910		Transcribed locus
768497	Hs.143961	CCL18	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
246524	Hs.24529	CHEK1	Checkpoint kinase 1
771084	In multiple ClusterIDs		

211780	Hs.69293	HEXB	Hexosaminidase B (beta polypeptide)
363575	In multiple ClusterIDs		
770462	Hs.61995	CPZ	Carboxypeptidase Z
511850	In multiple ClusterIDs		
684655	Hs.437366	PSMC2	Proteasome (prosome, macropain) 26S subunit, ATPase, 2
1912749	Hs.505654	ITGA5	Integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
669485	Hs.488293	EGFR	Epidermal growth factor receptor
435597	Hs.413899	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A, ionotropic
501939	Hs.461453	WWOX	WW domain containing oxidoreductase
729316	In multiple ClusterIDs		
2114698	Hs.201805	LAMC3	Laminin, gamma 3
49553	Hs.183153	ARL4D	ADP-ribosylation factor-like 4D
25988	Hs.433750	EIF4G1	Eukaryotic translation initiation factor 4 gamma, 1
154359	Hs.422585	TWIST2	Twist basic helix-loop-helix transcription factor 2
1185969	Hs.592082	AXIN1	Axin 1
470122*	Hs.484099	KCNMB1	Potassium large conductance calcium-activated channel, subfamily M, beta member 1
841308*	Hs.477375	MYLK	Myosin light chain kinase
362059*	Hs.436367	LAMA3	Laminin, alpha 3
813828*	Hs.262857	PRUNE2	Prune homolog 2 (Drosophila)
70332	Hs.532492	ACP2	Acid phosphatase 2, lysosomal
85643	Hs.75599	SERPINC1	Serpin peptidase inhibitor, clade C (antithrombin), member 1
869466	Hs.529019	BPI	Bactericidal/permeability-increasing protein
795321	Hs.116459	MAN2A2	Mannosidase, alpha, class 2A, member 2
823982	In multiple ClusterIDs		
769911	Hs.432760	CAPZB	Capping protein (actin filament) muscle Z-line, beta
42070	Hs.153952	NT5E	5'-nucleotidase, ecto (CD73)
868838	Hs.596913	HPGD	Hydroxyprostaglandin dehydrogenase 15-(NAD)
825604	Hs.262886	INPP5D	Inositol polyphosphate-5-phosphatase, 145kDa
460487	Hs.529517	LTF	Lactotransferrin
838366	Hs.533444	HMGCL	3-hydroxymethyl-3-methylglutaryl-CoA lyase
506658	Hs.503692	YAP1	Yes-associated protein 1
25807	Hs.517044	PHF20	PHD finger protein 20
2223790	Hs.162807	TFF1	Trefoil factor 1
284799	Hs.659607		Transcribed locus

430314	Hs.2899	HPD	4-hydroxyphenylpyruvate dioxygenase
1854658	Hs.744928	PTPRS	Protein tyrosine phosphatase, receptor type, S
2108253	Hs.471119	BMPR2	Bone morphogenetic protein receptor, type II (serine/threonine kinase)
193736	Hs.34012	BRCA2	Breast cancer 2, early onset
121454	Hs.654431	ALOX12	Arachidonate 12-lipoxygenase
796323	Hs.501012	ADD3	Adducin 3 (gamma)
845519	Hs.271135	ATP5C1	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, gamma polypeptide 1
740801	Hs.433307	BCKDHA	Branched chain keto acid dehydrogenase E1, alpha polypeptide
714213	Hs.244139	FAS	Fas (TNF receptor superfamily, member 6)
192569	Hs.368794	AP1B1	Adaptor-related protein complex 1, beta 1 subunit
815303	Hs.503787	DARS	Aspartyl-tRNA synthetase
797048	Hs.68879	BMP4	Bone morphogenetic protein 4
856454	Hs.502769	SLC3A2	Solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2
896962	Hs.507076	ACADS	Acyl-CoA dehydrogenase, C-2 to C-3 short chain
51950	Hs.76152	AQP1	Aquaporin 1 (Colton blood group)
25517	Hs.517830	BTD	Biotinidase
454672	Hs.499725	ANK3	Ankyrin 3, node of Ranvier (ankyrin G)
868304*	Hs.500483	ACTA2	Actin, alpha 2, smooth muscle, aorta
588822	Hs.171458	ENOX2	Ecto-NOX disulfide-thiol exchanger 2
756533	Hs.501293	BSG	Basigin (Ok blood group)
74537	Hs.518808	AFP	Alpha-fetoprotein
1736335	Hs.395482	PTK2	Protein tyrosine kinase 2
1337007	Hs.518451	PIK3CD	Phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta
2513307	Hs.530402	FAF1	Fas (TNFRSF6) associated factor 1
2383518	Hs.744057	THRAP3	Thyroid hormone receptor associated protein 3
2164312	Hs.119594	CIT	Citron (rho-interacting, serine/threonine kinase 21)
156	In multiple ClusterIDs		
725368	Hs.521912	RHPN1	Rhopilin, Rho GTPase binding protein 1
686909	Hs.127897	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1
1743966	Hs.180919	ID2	Inhibitor of DNA binding 2, dominant negative helix-loop-helix protein

1	In multiple ClusterIDs		
2329149	Hs.16184	RAD17	RAD17 homolog ( <i>S. pombe</i> )
1028344	Hs.368410	CBX2	Chromobox homolog 2
221197	Hs.435845	ESRRB	Estrogen-related receptor beta
648794	Hs.660607	ESR2	Estrogen receptor 2 (ER beta)
84148	Hs.57732	MAPK11	Mitogen-activated protein kinase 11
2298363	Data not found		
1018386	Hs.681743	ROCK2	Rho-associated, coiled-coil containing protein kinase 2
767236	In multiple ClusterIDs		
783998	Hs.591085	MLLT3	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, <i>Drosophila</i> ); translocated to, 3
1475746	Hs.655205	ZNF124	Zinc finger protein 124
1471829	Hs.529631	RPL35A	Ribosomal protein L35a
767475	In multiple ClusterIDs		
897768	Hs.476218	COL7A1	Collagen, type VII, alpha 1
1476065	Hs.209983	STMN1	Stathmin 1
1472689	Hs.110675	APOC1	Apolipoprotein C-I
786537	Hs.518155	PPP2R3A	Protein phosphatase 2, regulatory subunit B", alpha
753157	In multiple ClusterIDs		
1323328	Hs.1019	PTH1R	Parathyroid hormone 1 receptor
1325816	Hs.441072	POLR2L	Polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa
825333	Hs.29679	MED23	Mediator complex subunit 23
978929	Hs.729514		Homo sapiens, clone IMAGE:5122250, mRNA
265241	Hs.42146	PAX3	Paired box 3
2240486	Hs.21907	KAT7	K(lysine) acetyltransferase 7
2166340	Hs.106070	CDKN1C	Cyclin-dependent kinase inhibitor 1C (p57, Kip2)
1144472	Hs.497353	MED6	Mediator complex subunit 6
146605	Hs.99855	FPR2	Formyl peptide receptor 2
156473	Hs.212088	EPHX2	Epoxide hydrolase 2, cytoplasmic
812126	Hs.654368	GYPB	Glycophorin B (MNS blood group)
197888	Hs.5662	GNB2L1	Guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1
381931	Hs.594454	FLT1	Fms-related tyrosine kinase 1
137017	Hs.488293	EGFR	Epidermal growth factor receptor
267865	In multiple ClusterIDs		
283034	Hs.372616	ARL1	ADP-ribosylation factor-like 1

1469292	Hs.727148	PIM2	Pim-2 oncogene
1456900	Hs.109	DPEP1	Dipeptidase 1 (renal)
626822	Hs.130031	TRIO	Trio Rho guanine nucleotide exchange factor
897158	Hs.247077	RHOA	Ras homolog family member A
1475595	Hs.75431	ALPL	Alkaline phosphatase, liver/bone/kidney
1473274*	Hs.504687	MYL9	Myosin, light chain 9, regulatory
321389	Hs.534453	NDUFA13	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13
882522	Hs.160786	ASS1	Argininosuccinate synthase 1
1470048	Hs.521903	LY6E	Lymphocyte antigen 6 complex, locus E
1325751	Hs.571258	CYP3A5	Cytochrome P450, family 3, subfamily A, polypeptide 5
296998	Hs.655792	ART4	ADP-ribosyltransferase 4 (Dombrock blood group)
768246	In multiple ClusterIDs		
221092	Hs.654350	GABPB1	GA binding protein transcription factor, beta subunit 1
241788	Hs.300774	FGB	Fibrinogen beta chain
563444	Hs.125898	GNAS	GNAS complex locus
741474	Hs.466471	GPI	Glucose-6-phosphate isomerase
183200	Hs.73875	FAH	Fumarylacetoacetate hydrolase (fumarylacetoacetase)
135449	Hs.374477	EWSR1	Ewing sarcoma breakpoint region 1
178779	Hs.136295	GNAL	Guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type
127509	Hs.436062	GBE1	Glucan (1,4-alpha-), branching enzyme 1
133213	Hs.390420		FUT4
209296	In multiple ClusterIDs		
195340	Hs.418497	GC	Group-specific component (vitamin D binding protein)
681906	Hs.1422	FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog
669419	Hs.20685	FXN	Frataxin
49509	Hs.631624	EPOR	Erythropoietin receptor
308041	In multiple ClusterIDs		
26162	Hs.116250	GABRA2	Gamma-aminobutyric acid (GABA) A receptor, alpha 2
591683	Hs.80409		GADD45A
839736	Hs.53454	CRYAB	Crystallin, alpha B
825335	Hs.185597	SPG7	Spastic paraplegia 7 (pure and complicated autosomal recessive)



77805	Hs.681616	COPB2	Coatomer protein complex, subunit beta 2 (beta prime)
767817	Hs.436578	POLR2F	Polymerase (RNA) II (DNA directed) polypeptide F
701231	Hs.115617	CRHBP	Corticotropin releasing hormone binding protein
898286	Hs.732435	CDK1	Cyclin-dependent kinase 1
310519	Hs.361463	F10	Coagulation factor X
630013	Hs.597656	MSH2	MutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)
418422	Hs.2164	PPBP	Pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
687875	Hs.181301	CTSS	Cathepsin S
897655	Hs.196983	SSFA2	Sperm specific antigen 2
197657*	Hs.436219	ALDH1B1	Aldehyde dehydrogenase 1 family, member B1
248463	Hs.585357	HBZ	Hemoglobin, zeta
295986	Hs.30619	EBP	Emopamil binding protein (sterol isomerase)
745339	Hs.279912	CCP110	Centriolar coiled coil protein 110kDa
743701	Hs.106311	DGCR9	DiGeorge syndrome critical region gene 9
253009	Hs.642877	MALAT1	Metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)
741958	In multiple ClusterIDs		
784777	Hs.183850	DCTD	DCMP deaminase
782760	Hs.644076		Transcribed locus
796984	In multiple ClusterIDs		
838568	Hs.351875	COX6C	Cytochrome c oxidase subunit VIc
825060	Hs.527980	DUT	Deoxyuridine triphosphatase
795296	Hs.292524	CCNH	Cyclin H
756211	Hs.443417	MINK1	Misshapen-like kinase 1
51814	Hs.695	CSTB	Cystatin B (stefin B)
824031	Hs.445203	DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
950690	Hs.58974	CCNA2	Cyclin A2
795830	Hs.479867	CENPC1	Centromere protein C 1
505059	Hs.195040	HSD11B1	Hydroxysteroid (11-beta) dehydrogenase 1
297895	Hs.436066	LST1	Leukocyte specific transcript 1
856427	Hs.436187	TRIP13	Thyroid hormone receptor interactor 13
343700	In multiple ClusterIDs		
295857	Hs.50282	RRAGB	Ras-related GTP binding B
447786	Hs.21631	AUTS2	Autism susceptibility candidate 2

131268	Hs.411881	GRB14	Growth factor receptor-bound protein 14
745116	Hs.284279	HMOX2	Heme oxygenase (decycling) 2
293964	Hs.191510	BTN3A1	Butyrophilin, subfamily 3, member A1
742949	In multiple ClusterIDs		
502565	Hs.501735	STIM1	Stromal interaction molecule 1
361698	Hs.656980	LIPE	Lipase, hormone-sensitive
854899	Hs.298654	DUSP6	Dual specificity phosphatase 6
281881	Hs.269211	ZMYM4	Zinc finger, MYM-type 4
175536	Hs.113882	GABRD	Gamma-aminobutyric acid (GABA) A receptor, delta
1031076	Hs.98428	HOXB6	Homeobox B6
26249	Hs.75149	SH3GL2	SH3-domain GRB2-like 2
590591	Hs.525401	ADCY6	Adenylate cyclase 6
624429	In multiple ClusterIDs		
303035	Hs.497626	PLXNA2	Plexin A2
415769	Hs.369675		ANGPT1
21908	In multiple ClusterIDs		
182177	Hs.404914	ADAM17	ADAM metallopeptidase domain 17
309864	Hs.25292	JUNB	Jun B proto-oncogene
416567	Hs.741309		Transcribed locus, strongly similar to NP_000615.3 SERPINA5 gene product [Homo sapiens]
25621	Hs.160958	CDC37	Cell division cycle 37
201268	Hs.288741	EFNA5	Ephrin-A5
322525	Hs.4817	OPCML	Opioid binding protein/cell adhesion molecule-like
428223	Hs.472437	MAPRE1	Microtubule-associated protein, RP/EB family, member 1
38059	Hs.530871	PDE1B	Phosphodiesterase 1B, calmodulin-dependent
222107	Hs.479756	KDR	Kinase insert domain receptor (a type III receptor tyrosine kinase)
324383	Hs.284244	FGF2	Fibroblast growth factor 2 (basic)
433528	Hs.631624	EPOR	Erythropoietin receptor
47021	Hs.731450	DVL1	Dishevelled, dsh homolog 1 (Drosophila)
245761	Hs.517601	RAC2	Ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)
325487	Hs.505654	ITGA5	Integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
436121	Hs.533717	DLK1	Delta-like 1 homolog (Drosophila)
884438	Hs.744006	NFE2L2	Nuclear factor (erythroid-derived 2)-like 2

770454	Hs.108969	WDR83OS	WD repeat domain 83 opposite strand
884644	Hs.449909	RPSA	Ribosomal protein SA
491486	In multiple ClusterIDs		
447509	Hs.631991	HLA-DOA	Major histocompatibility complex, class II, DO alpha
138369	Hs.654395	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)
346696	Hs.94865	TEAD4	TEA domain family member 4
83444	Hs.952	SLC10A1	Solute carrier family 10 (sodium/bile acid cotransporter family), member 1
72395	Hs.655432	MST1L	Macrophage stimulating 1-like
586796	Hs.84905	KRT20	Keratin 20
755299	Hs.501629	IER2	Immediate early response 2
241847	Hs.513522		Transcribed locus
160664	Hs.350321	RET	Ret proto-oncogene
292779	Hs.388034	RXRB	Retinoid X receptor, beta
377671	Hs.524484	ITGA7	Integrin, alpha 7
365348	Hs.46894	FUS	Fused in sarcoma
173392	Hs.647388	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma
810974	Hs.3068	HLTF	Helicase-like transcription factor
135527	Hs.458917	SCAMP2	Secretory carrier membrane protein 2
159455	Hs.257008	PLD3	Phospholipase D family, member 3
771206	Hs.306791	POLD2	Polymerase (DNA directed), delta 2, accessory subunit
35077	Hs.21639		SPEG
810761	Hs.534377	CLDN10	Claudin 10
731648	Hs.10441	NFYA	Nuclear transcription factor Y, alpha
759163	Hs.296049	MFAP4	Microfibrillar-associated protein 4
855910	Hs.531081	LGALS3	Lectin, galactoside-binding, soluble, 3
361899	Hs.157883	ZSCAN26	Zinc finger and SCAN domain containing 26
878835	Hs.522615	NDP	Norrie disease (pseudoglioma)
45600	Hs.130607	MVK	Mevalonate kinase
324618	Hs.632704	TSMF	Ts translation elongation factor, mitochondrial
590692	Hs.517033	TGM2	Transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)
868484	Hs.715623	NPC1	Niemann-Pick disease, type C1
784589	Hs.80343	MMP15	Matrix metalloproteinase 15 (membrane-inserted)
857264	Hs.600913		Transcribed locus
502669	Hs.3352	HDAC2	Histone deacetylase 2

194005	Hs.658489		CLCC1
247281	Hs.46468	CCR6	Chemokine (C-C motif) receptor 6
548957	In multiple ClusterIDs		
202535	In multiple ClusterIDs		
138917	Hs.437922	MYCL1	V-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)
123400	Hs.727344	KHSRP	KH-type splicing regulatory protein
213136	Hs.519162	BTG2	BTG family, member 2
812105	Hs.75823	MLLT11	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11
307553	Hs.505033	KRAS	V-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
813827	In multiple ClusterIDs		
175123	Hs.150136	MAPK7	Mitogen-activated protein kinase 7
135773	Hs.442707	TERF1	Telomeric repeat binding factor (NIMA-interacting) 1
34852	In multiple ClusterIDs		
361097	Hs.518773	UBE2D3	Ubiquitin-conjugating enzyme E2D 3
813184	Hs.76090	TNFAIP1	Tumor necrosis factor, alpha-induced protein 1 (endothelial)
193067	In multiple ClusterIDs		
128783	Hs.161377	PEX13	Peroxisomal biogenesis factor 13
327150	Hs.159195	DOCK1	Dedicator of cytokinesis 1
38763	Hs.296169		RAB4A
241874	Hs.441378	ACAD11	Acyl-CoA dehydrogenase family, member 11
293539	Data not found		
202213	Hs.348350	DHRS1	Dehydrogenase/reductase (SDR family) member 1
66534	Hs.89771	GCKR	Glucokinase (hexokinase 4) regulator
140354	Hs.144980	SCAMP4	Secretory carrier membrane protein 4
137638	Hs.462693		ZNF22
248649	Hs.75277	RMND5A	Required for meiotic nuclear division 5 homolog A (S. cerevisiae)
280882	Hs.504281	FLI1	Friend leukemia virus integration 1
126792	Hs.731768		Transcribed locus
165921	Hs.443976	CEP250	Centrosomal protein 250kDa
292920	Hs.432706	ANKRD44	Ankyrin repeat domain 44
22770*	Hs.7195	GABRG2	Gamma-aminobutyric acid (GABA) A receptor, gamma 2

1674185*	Hs.351665	TRDMT1	TRNA aspartic acid methyltransferase 1
5222483*	Hs.463412	SGCA	Sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein)
432651	Hs.44402	CSTF3	Cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kDa
744417	Hs.12068	CRAT	Carnitine O-acetyltransferase
26568	Hs.534313	EGR3	Early growth response 3
757144	In multiple ClusterIDs		
264640	Hs.484241	CLTB	Clathrin, light chain B
26295	Hs.75110	CNR1	Cannabinoid receptor 1 (brain)
83083	Hs.76716	ITIH3	Inter-alpha-trypsin inhibitor heavy chain 3
201168	Hs.412836	LRR8C	Leucine rich repeat containing 8 family, member C
133114	Hs.25338	PRSS23	Protease, serine, 23
344672	Hs.15536	ZCCHC9	Zinc finger, CCHC domain containing 9
196387	Hs.368243	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2
140100	Hs.486410	ECHDC1	Enoyl CoA hydratase domain containing 1
122822	Hs.462323	NCOR1	Nuclear receptor corepressor 1
230562	Hs.124490	ACIN1	Apoptotic chromatin condensation inducer 1
127925	Hs.744922	DDX18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18
246035	In multiple ClusterIDs		
824044	Hs.159069	LARP4B	La ribonucleoprotein domain family, member 4B
293403	Hs.127411	CDC14A	Cell division cycle 14A
251591	Hs.283565	FOSL1	FOS-like antigen 1
759200	Hs.79064	DHPS	Deoxyhypusine synthase
868652	Hs.534847	C4A	Complement component 4A (Rodgers blood group)
858292	Hs.191346	Sep-07	Septin 7
39722	Hs.487294	ERCC2	Excision repair cross-complementing rodent repair deficiency, complementation group 2
769579	Hs.465627	MAP2K2	Mitogen-activated protein kinase kinase 2
756556	Hs.384598	SERPING1	Serpin peptidase inhibitor, clade G (C1 inhibitor), member 1
345538	Hs.731507	CTSL1	Cathepsin L1
884894	Hs.151777	EIF2S1	Eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa
469369	Hs.24301	POLR2E	Polymerase (RNA) II (DNA directed) polypeptide E, 25kDa
878280	Hs.135270	CRMP1	Collapsin response mediator protein 1
897164	Hs.445981	CTNNA1	Catenin (cadherin-associated protein), alpha 1, 102kDa
47359	Hs.511899	EDN1	Endothelin 1

128493	Hs.195364	MLH1	MutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
491692	Hs.17441	COL4A1	Collagen, type IV, alpha 1
854138	Hs.474833	CSNK1E	Casein kinase 1, epsilon
781017	Hs.1395	EGR2	Early growth response 2
345063	Hs.635	CACNB1	Calcium channel, voltage-dependent, beta 1 subunit
1926453	Hs.270833	AREG	Amphiregulin
2119600	Hs.460996	TRADD	TNFRSF1A-associated via death domain
1650500	Hs.603111	RND2	Rho family GTPase 2
1741102	Hs.279594	TNFRSF1A	Tumor necrosis factor receptor superfamily, member 1A
1927412	Hs.631709	RAD51	RAD51 homolog (S. cerevisiae)
2139081	Hs.478150	PDCD10	Programmed cell death 10
1656179	Hs.113157	ITGA9	Integrin, alpha 9
1743833	Hs.516664	EFNA1	Ephrin-A1
1932948	Hs.673	IL12A	Interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)
2146122	Hs.133397	ITGA6	Integrin, alpha 6
1667384	Hs.190028	GSTO1	Glutathione S-transferase omega 1
1752018	Hs.507590	FLT3	Fms-related tyrosine kinase 3
1935352	Hs.2159	ACAN	Aggrecan
2149968	Hs.647029	FZD9	Frizzled family receptor 9
1677204	Hs.356624	NID1	Nidogen 1
1837155	Hs.2633	DSG1	Desmoglein 1
2009666	Hs.116092	EPHB1	EPH receptor B1
2159880	Hs.419815	EGF	Epidermal growth factor
1032004	Hs.415299	ITPA	Inosine triphosphatase (nucleoside triphosphate pyrophosphatase)
855620	Hs.505735	NACA	Nascent polypeptide-associated complex alpha subunit
842973	Hs.524498	PA2G4	Proliferation-associated 2G4, 38kDa
511459	Hs.658566	PDIA3P	Protein disulfide isomerase family A, member 3 pseudogene
769942	Hs.612151	KIF22	Kinesin family member 22
951142	Hs.409065	FEN1	Flap structure-specific endonuclease 1
594322	Hs.368610	PAPSS1	3'-phosphoadenosine 5'-phosphosulfate synthase 1
416643	Hs.151624	HCRTR2	Hypocretin (orexin) receptor 2
366132	Hs.444472	SDHC	Succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa
626531	In multiple		

	ClusterIDs		
509943	Hs.4747	DKC1	Dyskeratosis congenita 1, dyskerin
784253	Hs.474938	SLC25A17	Solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member 17
1637226	Hs.428	FLT3LG	Fms-related tyrosine kinase 3 ligand
1734372	Hs.562227	HSPG2	Heparan sulfate proteoglycan 2
1902522	Hs.632586	CXCL10	Chemokine (C-X-C motif) ligand 10
2108696	Hs.512599	CDKN2A	Cyclin-dependent kinase inhibitor 2A
1646946	Hs.119882	CDK6	Cyclin-dependent kinase 6
1735565	Hs.187898	NF2	Neurofibromin 2 (merlin)
469686	Hs.491234	RIT1	Ras-like without CAAX 1
166236	Hs.289108	FAM3A	Family with sequence similarity 3, member A
66317	Hs.7644	HIST1H1C	Histone cluster 1, H1c
27548	Hs.601591	NUP153	Nucleoporin 153kDa
177621	In multiple ClusterIDs		
210317	Hs.626404	RAB11B	RAB11B, member RAS oncogene family
838149	Hs.435771	API5	Apoptosis inhibitor 5
530035	Hs.516505	S100A13	S100 calcium binding protein A13
950568	Hs.533855	UPF3A	UPF3 regulator of nonsense transcripts homolog A (yeast)
897865	Hs.27695	MID1	Midline 1 (Opitz/BBB syndrome)
884822	Hs.50425	PTGES3	Prostaglandin E synthase 3 (cytosolic)
530282	Hs.534168	NDUFA1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa
780977	Hs.523131	TRAPPC3	Trafficking protein particle complex 3
773511	Hs.30792	HOOK2	Hook homolog 2 (Drosophila)
82903	Hs.370937	TAPBP	TAP binding protein (tapasin)
324122	Hs.129944	ESM1	Endothelial cell-specific molecule 1
796946	In multiple ClusterIDs		
270136	In multiple ClusterIDs		
811827	Hs.222055	NDST1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1
668442	Hs.593833	DDR2	Discoidin domain receptor tyrosine kinase 2
154465	Hs.10136	BPHL	Biphenyl hydrolase-like (serine hydrolase)
471266	Hs.410965	DGCR6L	DiGeorge syndrome critical region gene 6-like
233457	Hs.302145		HBG2
45272	Hs.193043	CLCN6	Chloride channel, voltage-sensitive 6

137794	Hs.174273	ACVR2B	Activin A receptor, type IIB
341246	Hs.515092	CLPP	ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli)
770066	Hs.438550	NCAPD3	Non-SMC condensin II complex, subunit D3
179283	Hs.270055	SH3GL3	SH3-domain GRB2-like 3
194214	Hs.373550		TGIF1
254321	In multiple ClusterIDs		
309316	Hs.75636	MYL7	Myosin, light chain 7, regulatory
234011	Hs.164384	PKP2	Plakophilin 2
366558	In multiple ClusterIDs		
70349	Hs.584654	FOXO4	Forkhead box O4
153411	Hs.520048	HLA-DRA	Major histocompatibility complex, class II, DR alpha
589433	Hs.484222	RTCA	RNA 3'-terminal phosphate cyclase
753862	In multiple ClusterIDs		
142788	Hs.596449	SERPINH1	Serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)
841059	Hs.516155	CAPG	Capping protein (actin filament), gelsolin-like
739183	Hs.647419	CD68	CD68 molecule
813830	Hs.289271	CYC1	Cytochrome c-1
284882	Hs.408182	COL2A1	Collagen, type II, alpha 1
277015	Data not found		
504226	Hs.443057	CD53	CD53 molecule
83231	Hs.1360	CYP2B6	Cytochrome P450, family 2, subfamily B, polypeptide 6
758148	Hs.654450	F8	Coagulation factor VIII, procoagulant component
69672	Hs.76206	CDH5	Cadherin 5, type 2 (vascular endothelium)
306013	Hs.438040		Transcribed locus
757248	Hs.733336		Transcribed locus
435855	Hs.729074	HCG8	HLA complex group 8
223128	Hs.531754	MAP2K7	Mitogen-activated protein kinase kinase 7
757489	In multiple ClusterIDs		
869450	Hs.719951	RPL11	Ribosomal protein L11
487425	Hs.591767	CETN3	Centrin, EF-hand protein, 3
365641	Hs.534339	PRIM1	Primase, DNA, polypeptide 1 (49kDa)
83210	In multiple ClusterIDs		



898035	Hs.520898	CTSB	Cathepsin B
42880	Hs.382306		CDK8
841478	Hs.352677	FBXO11	F-box protein 11
85624	Hs.1012	C4BPA	Complement component 4 binding protein, alpha
839101	Hs.74471	GJA1	Gap junction protein, alpha 1, 43kDa
843049	Hs.460184	MCM4	Minichromosome maintenance complex component 4
66564	Hs.274539	BDH1	3-hydroxybutyrate dehydrogenase, type 1
85128	Hs.8986	C1QB	Complement component 1, q subcomponent, B chain
711552	Hs.88778	CBR1	Carbonyl reductase 1
795827	Hs.708096	TESK1	Testis-specific kinase 1
434826	Hs.558440	AP5Z1	Adaptor-related protein complex 5, zeta 1 subunit
433111	Hs.3459	UBFD1	Ubiquitin family domain containing 1
739109	Hs.119591	AP2S1	Adaptor-related protein complex 2, sigma 1 subunit
611586	Hs.588655	NEB	Nebulin
51743	In multiple ClusterIDs		
293792	Hs.408241	NUPL2	Nucleoporin like 2
586854	Hs.193557	PTPN14	Protein tyrosine phosphatase, non-receptor type 14
1031185	Hs.111850	SMCP	Sperm mitochondria-associated cysteine-rich protein
32241	Hs.594723		Transcribed locus
770000	Hs.723478	EP400	E1A binding protein p400
770337	Hs.132868	USP32	Ubiquitin specific peptidase 32
460403	Hs.702528		Transcribed locus
298128	Hs.555902	ASAP2	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2
203130	Hs.323342		ARPC4
433666	Hs.474949	RBX1	Ring-box 1, E3 ubiquitin protein ligase
60565	In multiple ClusterIDs		
248957	Hs.592737		Transcribed locus
49311	Hs.731384	MLL2	Myeloid/lymphoid or mixed-lineage leukemia 2
345158	Hs.517352		PRODH
484874	Hs.218040	ITGB3	Integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
139167	Hs.510324	QKI	QKI, KH domain containing, RNA binding
273938	In multiple ClusterIDs		
358433	Hs.26550	RXRG	Retinoid X receptor, gamma
487777	Hs.408528	RB1	Retinoblastoma 1
145383	Hs.401929	DNASE1L1	Deoxyribonuclease I-like 1

284701	Hs.654487	FOLH1	Folate hydrolase (prostate-specific membrane antigen) 1
361456	Hs.505777		DDIT3
491113	Hs.116471	CDH11	Cadherin 11, type 2, OB-cadherin (osteoblast)
146858	Hs.249441	WEE1	WEE1 homolog (S. pombe)
285780	Hs.2936	MMP13	Matrix metalloproteinase 13 (collagenase 3)
364843	Hs.80828	KRT1	Keratin 1
510856	In multiple ClusterIDs		
154790	Hs.415768	NGFR	Nerve growth factor receptor
289606	Hs.168132	IL15	Interleukin 15
366481	Hs.708950	KRT6B	Keratin 6B
586803	Hs.252820	PGF	Placental growth factor
462953	Hs.654473	MAOB	Monoamine oxidase B
853906	Hs.712829		M4-50 mRNA for HLA class I antigen
588915	Hs.532634	IFI27	Interferon, alpha-inducible protein 27
51022	Hs.302341	ST8SIA2	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2
433553	Hs.592035		Transcribed locus, strongly similar to NP_001730.1 CA5A gene product [Homo sapiens]
345232	Hs.36		LTA
415899	Hs.500546	IDE	Insulin-degrading enzyme
770837	Hs.397891	PASK	PAS domain containing serine/threonine kinase
586839	Hs.517949	MAP4	Microtubule-associated protein 4
868169	Hs.180878	LPL	Lipoprotein lipase
51582	Hs.207631	LMO7	LIM domain 7
769948	Hs.104879	SERPINB9	Serpin peptidase inhibitor, clade B (ovalbumin), member 9
51817	Hs.517603	MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
257369	Hs.151413	GMFB	Glia maturation factor, beta
341763	Hs.213327	CASP5	Caspase 5, apoptosis-related cysteine peptidase
446814	Hs.522891	CXCL12	Chemokine (C-X-C motif) ligand 12
68049	Hs.607212	IGFBP5	Insulin-like growth factor binding protein 5
270710	Hs.370771	CDKN1A	Cyclin-dependent kinase inhibitor 1A (p21, Cip1)
248454	Hs.93659	PDIA4	Protein disulfide isomerase family A, member 4
137254	Hs.732003		Transcribed locus
196115	Hs.34526	CXCR6	Chemokine (C-X-C motif) receptor 6
145503	Hs.435051	CDKN2D	Cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)

564846	Hs.712543	THOC1	THO complex 1
123474	Hs.558396	SCD	Stearoyl-CoA desaturase (delta-9-desaturase)
756502	Hs.534331	NUDT1	Nudix (nucleoside diphosphate linked moiety X)-type motif 1
145383	Hs.401929	DNASE1L1	Deoxyribonuclease I-like 1
491763	Hs.126256	IL1B	Interleukin 1, beta
868368	Hs.437277	TMSB4X	Thymosin beta 4, X-linked
743188	Hs.654530	NUP214	Nucleoporin 214kDa
435434	Hs.163867	CD14	CD14 molecule
755599	Hs.458414	IFITM1	Interferon induced transmembrane protein 1
236059	Hs.86859	GRB7	Growth factor receptor-bound protein 7
1031203	Hs.651453	MYCNOS	MYCN opposite strand/antisense RNA
788256	Hs.270845	KIF23	Kinesin family member 23
742132	Hs.458485	ISG15	ISG15 ubiquitin-like modifier
432564	Hs.516160	SF3B4	Splicing factor 3b, subunit 4, 49kDa
752557	Hs.520046	GPSM3	G-protein signaling modulator 3
841357	Hs.484782	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide
813707	Hs.413297	RGS16	Regulator of G-protein signaling 16
243321	In multiple ClusterIDs		
142395	Hs.83634	HCFC1	Host cell factor C1 (VP16-accessory protein)
813675	Hs.37616	STRA13	Stimulated by retinoic acid 13
531028	Hs.530862	PRKAG1	Protein kinase, AMP-activated, gamma 1 non-catalytic subunit
48182	Hs.696424		Transcribed locus
292272	Hs.80720	GAB1	GRB2-associated binding protein 1
51737	Hs.546282	RBBP8	Retinoblastoma binding protein 8
127519	In multiple ClusterIDs		
26578	Hs.517543	PES1	Pescadillo ribosomal biogenesis factor 1
293820	In multiple ClusterIDs		
48530	Hs.169182	KIF21B	Kinesin family member 21B
810734	Hs.523829	POLD4	Polymerase (DNA-directed), delta 4, accessory subunit
124753	Hs.94395	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4
209137	Hs.22785	GABRE	Gamma-aminobutyric acid (GABA) A receptor, epsilon
135692	Hs.319438	PLA2G5	Phospholipase A2, group V
123614	Hs.574822	FAM110A	Family with sequence similarity 110, member A

292362	Hs.659592		Transcribed locus
251875	Hs.659011		Transcribed locus
136449	Hs.35125	ARHGEF40	Rho guanine nucleotide exchange factor (GEF) 40
137236	Hs.508010	FNDC3A	Fibronectin type III domain containing 3A
471196	Hs.111577	ITM2C	Integral membrane protein 2C
110503	In multiple ClusterIDs		
843426	Hs.642842	SAV1	Salvador homolog 1 (Drosophila)
214916	Hs.591863	FZD6	Frizzled family receptor 6
212325	Hs.443169	HEPACAM2	HEPACAM family member 2
140515	Data not found		
123627	Hs.580464	ATP6V1C2	ATPase, H <sup>+</sup> transporting, lysosomal 42kDa, V1 subunit C2
110811*	Hs.484099	KCNMB1	Potassium large conductance calcium-activated channel, subfamily M, beta member 1
729912*	Hs.351665	TRDMT1	TRNA aspartic acid methyltransferase 1
726779*	Hs.465929	CNN1	Calponin 1, basic, smooth muscle
81289*	Hs.516105	ACTG2	Actin, gamma 2, smooth muscle, enteric
809720	Hs.516855	CENPB	Centromere protein B, 80kDa
530185	Hs.595133	CD83	CD83 molecule
291985	Hs.302738	SLC26A2	Solute carrier family 26 (sulfate transporter), member 2
436062	Hs.476982	CPOX	Coproporphyrinogen oxidase
859586	Hs.467637	CDC42	Cell division cycle 42
431655	Hs.166556	CD37	CD37 molecule
77577	Hs.220971	FOSL2	FOS-like antigen 2
194006	Hs.586984		Transcribed locus
139641	Hs.539253		Transcribed locus
127843	Data not found		
788285	Hs.183713	EDNRA	Endothelin receptor type A
136802	Data not found		
126338	Hs.374067	UBE3B	Ubiquitin protein ligase E3B
209518	Hs.436787		CDNA FLJ25860 fis, clone CBR01771
199251	Data not found		
199628	Hs.572686		
208741	Hs.658618		Transcribed locus
124922	Hs.172602		ZNF589
796197	Hs.495912	DMD	Dystrophin

128753	Hs.728936	CYP17A1-A S1	CYP17A1 antisense RNA 1
756629	Hs.150540	LMF2	Lipase maturation factor 2
730002	Hs.436186	CAST	Calpastatin
487797	Hs.348418	DR1	Down-regulator of transcription 1, TBP-binding (negative cofactor 2)
46166	Hs.152096	CYP2J2	Cytochrome P450, family 2, subfamily J, polypeptide 2
322148	Hs.516874	CHGB	Chromogranin B (secretogranin 1)
325182	Hs.464829	CDH2	Cadherin 2, type 1, N-cadherin (neuronal)
742115	Hs.403436	ECI1	Enoyl-CoA delta isomerase 1
769857	Hs.533013	CBS	Cystathionine-beta-synthase
854338	Hs.514840	CHI3L2	Chitinase 3-like 2
345957	Hs.518198	CSTA	Cystatin A (stefin A)
343987	Hs.368912	DPP4	Dipeptidyl-peptidase 4
757873	Hs.662611		Transcribed locus, strongly similar to NP_034001.1 Cdk5r1 gene product [Mus musculus]
223350	Hs.558314	CP	Ceruloplasmin (ferroxidase)
745503	Hs.518249	CNBP	CCHC-type zinc finger, nucleic acid binding protein
271006	In multiple ClusterIDs		
68950	Hs.244723		CCNE1
2027965	Hs.534307	CCND3	Cyclin D3
2166340	Hs.106070	CDKN1C	Cyclin-dependent kinase inhibitor 1C (p57, Kip2)
1709032	Hs.643120	IGF1R	Insulin-like growth factor 1 receptor
1850392	Hs.523930	TRAF5	TNF receptor-associated factor 5
2062620	Hs.156346	TOP2A	Topoisomerase (DNA) II alpha 170kDa
1881408	Hs.656646	GTF3C4	General transcription factor IIIC, polypeptide 4, 90kDa
1722714	Hs.76272	KDM5A	Lysine (K)-specific demethylase 5A
1855159	Hs.76206	CDH5	Cadherin 5, type 2 (vascular endothelium)
2067403	Hs.388116	DVL3	Dishevelled, dsh homolog 3 (Drosophila)
738506	Hs.196054	HDAC9	Histone deacetylase 9
1722884	Hs.143751	MMP11	Matrix metalloproteinase 11 (stromelysin 3)
1859519	Hs.371249	PTN	Pleiotrophin
2095412	Hs.645344	RPL13AP5	Ribosomal protein L13a pseudogene 5
2485436	Hs.3352	HDAC2	Histone deacetylase 2
1731368	Hs.439726	LAMB2	Laminin, beta 2 (laminin S)

1891918	Hs.90073	CSE1L	CSE1 chromosome segregation 1-like (yeast)
2104626	Hs.73133	MT3	Metallothionein 3
843158	Hs.592142	NCOA3	Nuclear receptor coactivator 3
509800	In multiple ClusterIDs		
625683	Hs.173162	EMC8	ER membrane protein complex subunit 8
951022	Hs.34780	DCX	Doublecortin
773579	Hs.303808	GCFC2	GC-rich sequence DNA-binding factor 2
328207	Hs.55481		ZNF165
839888	Hs.7768	FIBP	Fibroblast growth factor (acidic) intracellular binding protein
593251	In multiple ClusterIDs		
772938	Hs.55967	SHOX2	Short stature homeobox 2
342349	Hs.404183	MAP3K14	Mitogen-activated protein kinase kinase kinase 14
505225	Hs.655143	SORBS2	Sorbin and SH3 domain containing 2
271670	Hs.54673	TNFSF13	Tumor necrosis factor (ligand) superfamily, member 13
771295	Hs.529420	UBE2G2	Ubiquitin-conjugating enzyme E2G 2
1696513	Hs.77274	PLAU	Plasminogen activator, urokinase
1839392	Hs.170009	TGFA	Transforming growth factor, alpha
2018080	Hs.159161	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha
2161635	Hs.118681	ERBB3	V-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
1705470	Hs.149239	EFNB2	Ephrin-B2
1844780	Hs.166015	FGF6	Fibroblast growth factor 6
813158	Hs.78582	DRG2	Developmentally regulated GTP binding protein 2
275871	Hs.524599	NAP1L1	Nucleosome assembly protein 1-like 1
301849	Hs.467084	EIF4G3	Eukaryotic translation initiation factor 4 gamma, 3
199663	In multiple ClusterIDs		
770216	Hs.709218	EHMT2	Euchromatic histone-lysine N-methyltransferase 2
41591	Hs.268515	MN1	Meningioma (disrupted in balanced translocation) 1
950709	Hs.182255	NHP2L1	NHP2 non-histone chromosome protein 2-like 1 ( <i>S. cerevisiae</i> )
593023	Hs.307720	DTNB	Dystrobrevin, beta
897575	Hs.517421	MED15	Mediator complex subunit 15
742977	In multiple ClusterIDs		
897823	Hs.707189		Transcribed locus

731051	Hs.706903		Transcribed locus
610113	Hs.713554	SNX2	Sorting nexin 2
266085	Hs.727344	KHSRP	KH-type splicing regulatory protein
52076	Hs.522484	OLFM1	Olfactomedin 1
810801	Hs.273330	AGRN	Agrin
509570	Hs.523045	CAMK2G	Calcium/calmodulin-dependent protein kinase II gamma
784065	In multiple ClusterIDs		
767183	Hs.14601	HCLS1	Hematopoietic cell-specific Lyn substrate 1
134476	Hs.24167	VAMP7	Vesicle-associated membrane protein 7
812251	Hs.643566	MAPKAPK2	Mitogen-activated protein kinase-activated protein kinase 2
549146	Hs.501778	TRIM22	Tripartite motif containing 22
155287	Hs.702139	HSPA1A	Heat shock 70kDa protein 1A
810891	Hs.473256	LAMA5	Laminin, alpha 5
21738	Hs.438289	HADH	Hydroxyacyl-CoA dehydrogenase
810813	Hs.516484	S100A2	S100 calcium binding protein A2
212640	Hs.701324	ARHGAP4	Rho GTPase activating protein 4
212078	Hs.644352	<i>ITGA1</i>	integrin, alpha 1
754046	Hs.444619	LAGE3	L antigen family, member 3
742101	Hs.469728	PAX8	Paired box 8
823901	Hs.202470	UVRAG	UV radiation resistance associated
138116	Hs.334868	PPP2R5E	Protein phosphatase 2, regulatory subunit B', epsilon isoform
154749	Hs.524081	DPAGT1	Dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase)
511066	Hs.253726	PAPOLA	Poly(A) polymerase alpha
295729	Hs.18426	HRSP12	Heat-responsive protein 12
810791	Hs.509523	MNAT1	Menage a trois homolog 1, cyclin H assembly factor ( <i>Xenopus laevis</i> )
267634	Hs.159130	RAF1	V-raf-1 murine leukemia viral oncogene homolog 1
110788	Hs.56729	LSP1	Lymphocyte-specific protein 1
758365	Hs.524530	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2
787938	Hs.5462	SLC4A4	Solute carrier family 4, sodium bicarbonate cotransporter, member 4
760148	Hs.78601	UROD	Uroporphyrinogen decarboxylase
115281	Hs.631567	CD79A	CD79a molecule, immunoglobulin-associated alpha

788421	Hs.75862	SMAD4	SMAD family member 4
199180	Hs.440967	PON3	Paraoxonase 3
191664	Hs.371147	THBS2	Thrombospondin 2
242578	Hs.524399	TROAP	Trophinin associated protein
842939	Hs.474018	ADARB1	Adenosine deaminase, RNA-specific, B1
841282	Hs.658169	SFRP4	Secreted frizzled-related protein 4
530139	Hs.710481		Transcribed locus
759173	Hs.296049	<i>MFAP4</i>	Microfibrillar-associated protein 4
743804	Hs.369373	SEC23B	Sec23 homolog B ( <i>S. cerevisiae</i> )
283436	Hs.132858	RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1
428412	Hs.277937	GZMK	Granzyme K (granzyme 3; tryptase II)
878406	Hs.490874	MTX1	Metaxin 1
783836	Hs.196482	JDP2	Jun dimerization protein 2
85805	Hs.50223	RBP4	Retinol binding protein 4, plasma
788486	Hs.444389	ENTPD4	Ectonucleoside triphosphate diphosphohydrolase 4
83120	Hs.401509	RBM10	RNA binding motif protein 10
193913	In multiple ClusterIDs		
824340	Hs.648940	NCF1C	Neutrophil cytosolic factor 1C pseudogene
240505	Hs.643552		SDR39U1
632137	Hs.112058	SIVA1	SIVA1, apoptosis-inducing factor
258589	Hs.631886	REL	V-rel reticuloendotheliosis viral oncogene homolog (avian)
80109	In multiple ClusterIDs		
510760	Hs.478868	KIAA0226	KIAA0226
841695	Hs.732118	N4BP2L1	NEDD4 binding protein 2-like 1
731273	Hs.115460	CCIN	Calicin
277186	Hs.372295	PITPNM1	Phosphatidylinositol transfer protein, membrane-associated 1
882511	Hs.277721	NBR1	Neighbor of BRCA1 gene 1
362409	Hs.420036	GAD1	Glutamate decarboxylase 1 (brain, 67kDa)
1031747	Hs.94542	ALKBH1	AlkB, alkylation repair homolog 1 ( <i>E. coli</i> )
264556	Hs.471119	BMPR2	Bone morphogenetic protein receptor, type II (serine/threonine kinase)
858153	Hs.79334	NFIL3	Nuclear factor, interleukin 3 regulated
586888	Hs.77100	GTF2E2	General transcription factor IIE, polypeptide 2, beta 34kDa
856174	Hs.149032	PIK3R4	Phosphoinositide-3-kinase, regulatory subunit 4



460106	Hs.486357	SMPDL3A	Sphingomyelin phosphodiesterase, acid-like 3A
877832	Hs.522817	BCAP31	B-cell receptor-associated protein 31
288663	Hs.333303	GJB1	Gap junction protein, beta 1, 32kDa
148225	Hs.170986	GALNT3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (GalNAc-T3)
271045	Hs.162233	CHD4	Chromodomain helicase DNA binding protein 4
40773	Hs.584760	GNAZ	Guanine nucleotide binding protein (G protein), alpha z polypeptide
34140	Hs.377894	GCA	Grancalcin, EF-hand calcium binding protein
586895	In multiple ClusterIDs		
1049330	Hs.183428	SSPN	Sarcospan
811678	In multiple ClusterIDs		
1071516	Hs.1407	EDN2	Endothelin 2
592551	Hs.435714	PAK1	P21 protein (Cdc42/Rac)-activated kinase 1
756565	Hs.17631	FZD5	Frizzled family receptor 5
826722	Hs.530595	STAT2	Signal transducer and activator of transcription 2, 113kDa
1168508	Hs.1048	KITLG	KIT ligand
612577	Hs.329502	CASP9	Caspase 9, apoptosis-related cysteine peptidase
766876	Hs.375129	MMP3	Matrix metalloproteinase 3 (stromelysin 1, progelatinase)
842971	Hs.412597	DSG2	Desmoglein 2
1467351	Hs.567319	POLA1	Polymerase (DNA directed), alpha 1, catalytic subunit
645774	In multiple ClusterIDs		
767295	Hs.187898	NF2	Neurofibromin 2 (merlin)
843225	In multiple ClusterIDs		
1473758	Hs.1722	IL1A	Interleukin 1, alpha
646846	Hs.385870	TDGF1	Teratocarcinoma-derived growth factor 1
770862	Hs.732095	VEGFB	Vascular endothelial growth factor B
855521	Hs.406013	KRT18	Keratin 18
1523103	Hs.633509	RAD50	RAD50 homolog ( <i>S. cerevisiae</i> )
877782	Hs.733575		Transcribed locus, strongly similar to NP_599193.1 Rac1 gene product [ <i>Rattus norvegicus</i> ]
624634	Hs.744	FDX1	Ferredoxin 1
246430	Hs.285887	UGT2B4	UDP glucuronosyltransferase 2 family, polypeptide B4
844725	Hs.368214	TTC3	Tetratricopeptide repeat domain 3
590640	Hs.284491	PDXK	Pyridoxal (pyridoxine, vitamin B6) kinase
52996	Hs.516370	CHST10	Carbohydrate sulfotransferase 10

742576	Hs.559506		SPAG11A
627251	Hs.532315	SLC31A1	Solute carrier family 31 (copper transporters), member 1
358643	Hs.23111	FARSA	Phenylalanyl-tRNA synthetase, alpha subunit
50491	Hs.13261	BAI3	Brain-specific angiogenesis inhibitor 3
627273	Hs.239818	PIK3CB	Phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta
151595	Data not found		
590369	Hs.414795	SERPINE1	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
754500	Hs.135087	IL6R	Interleukin 6 receptor
810142	In multiple ClusterIDs		
1035639	Hs.679430	CDKL1	Cyclin-dependent kinase-like 1 (CDC2-related kinase)
592111	Hs.700779		KRT6A
755750	Hs.463456	NME2	NME/NM23 nucleoside diphosphate kinase 2
42118	Hs.321709	P2RX4	Purinergic receptor P2X, ligand-gated ion channel, 4
202904	Hs.309090	SRSF7	Serine/arginine-rich splicing factor 7
306771	In multiple ClusterIDs		
380394	Hs.461178	EIF1AY	Eukaryotic translation initiation factor 1A, Y-linked
377152	Hs.528222	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)
358850	Hs.74137	TMED10	Transmembrane emp24-like trafficking protein 10 (yeast)
856135	Hs.443861	SRPK1	SRSF protein kinase 1
45284	Hs.656905	LNPEP	Leucyl/cystinyl aminopeptidase
70245	Hs.459211	AKAP13	A kinase (PRKA) anchor protein 13
950507	Hs.503886	ZW10	Zw10 kinetochore protein
271899	Hs.35433	CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like)
491565	Hs.82071	CITED2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
67769	Hs.645288	KCNK3	Potassium channel, subfamily K, member 3
276237	Hs.592313	ARHGAP5	Rho GTPase activating protein 5
358433	Hs.26550	RXRG	Retinoid X receptor, gamma
756931	Hs.515715	S100A1	S100 calcium binding protein A1
79782	Hs.463569	VEZF1	Vascular endothelial zinc finger 1
266146	In multiple		

	ClusterIDs		
124781	Hs.71465	SQLE	Squalene epoxidase
165878	Hs.171311	ITGA8	Integrin, alpha 8
470930	In multiple ClusterIDs		
30502	Hs.379912	DLL1	Delta-like 1 (Drosophila)
131653	Hs.411125	MRPS12	Mitochondrial ribosomal protein S12
165857	Hs.531403	INPP4B	Inositol polyphosphate-4-phosphatase, type II, 105kDa
128530	Hs.46701	SNTB1	Syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1)
811842	Hs.237825	SRP72	Signal recognition particle 72kDa
752652	Hs.593995	TCF7L2	Transcription factor 7-like 2 (T-cell specific, HMG-box)
810391	Hs.75619	HYAL1	Hyaluronoglucosaminidase 1
209841	Hs.432862	Mar-06	Membrane-associated ring finger (C3HC4) 6, E3 ubiquitin protein ligase
262996	Hs.718669		Transcribed locus
232933	Hs.443161	DPYS	Dihydropyrimidinase
359395	Hs.464622	NAPG	N-ethylmaleimide-sensitive factor attachment protein, gamma
281978	Hs.45002	RAC3	Ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)
203351	In multiple ClusterIDs		
123730	Hs.316931	SKAP1	Src kinase associated phosphoprotein 1
129644	Hs.508148	ABI1	Abl-interactor 1
713129	Hs.90708	GZMA	Granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)
971367	Hs.512675	RPS8	Ribosomal protein S8
809910	Hs.374650	IFITM3	Interferon induced transmembrane protein 3
1893775	Hs.654541	BGLAP	Bone gamma-carboxyglutamate (gla) protein
825287	Hs.333791	TNFSF11	Tumor necrosis factor (ligand) superfamily, member 11
293924	Hs.154495	ACHE	Acetylcholinesterase
754649	Hs.204041	AHSA1	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)
754406	Hs.172631	ITGAM	Integrin, alpha M (complement component 3 receptor 3 subunit)
280371	Hs.149037	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C, G protein-coupled

1404396	Data not found		
1468820	Hs.647092	NOS3	Nitric oxide synthase 3 (endothelial cell)
843387	Hs.329502	CASP9	Caspase 9, apoptosis-related cysteine peptidase
346604	Hs.534342	AGER	Advanced glycosylation end product-specific receptor
52741	Hs.26630	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3
252663	Hs.65425	CALB1	Calbindin 1, 28kDa
841221	Hs.632015	ASL	Argininosuccinate lyase
562813	Hs.89570	AMPD1	Adenosine monophosphate deaminase 1
825312	Hs.246310	ATP5J	ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex, subunit F6
741880	Hs.557097	PBX1	Pre-B-cell leukemia homeobox 1
884743	Hs.653202	ARF5	ADP-ribosylation factor 5
489485	Hs.277704	HYOU1	Hypoxia up-regulated 1
141768	Hs.446352	ERBB2	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
855391	Hs.516807	STK25	Serine/threonine kinase 25
744940	Hs.98243	SPINK2	Serine peptidase inhibitor, Kazal type 2 (acrosin-trypsin inhibitor)
504682	Hs.279837	GSTM2	Glutathione S-transferase mu 2 (muscle)
701412	In multiple ClusterIDs		
684879	In multiple ClusterIDs		
868308	Hs.527193	RPS23	Ribosomal protein S23
32493	Hs.133397	ITGA6	Integrin, alpha 6
663931	Hs.523852	CCND1	Cyclin D1
428103	Hs.132448	CD1C	CD1c molecule
40692	Hs.22584	PDYN	Prodynorphin
491727	Hs.284255		ALPP
756549	Hs.1437	GAA	Glucosidase, alpha; acid
455121	Hs.429666	CEBPG	CCAAT/enhancer binding protein (C/EBP), gamma
298268	Hs.255935	BTG1	B-cell translocation gene 1, anti-proliferative
814798	In multiple ClusterIDs		
49318	Hs.590970	AXL	AXL receptor tyrosine kinase
586706	Hs.709196	CEACAM5	Carcinoembryonic antigen-related cell adhesion molecule 5
724831	Hs.647051	BCL7B	B-cell CLL/lymphoma 7B

855624	Hs.76392	ALDH1A1	Aldehyde dehydrogenase 1 family, member A1
897950	Hs.291196	ATP1B1	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 1 polypeptide
854760	Hs.280342	PRKAR1A	Protein kinase, cAMP-dependent, regulatory, type I, alpha
360778	Hs.367437		ATM
854879	Hs.528006	SPHK2	Sphingosine kinase 2
384078	Hs.106876	ATP6V0D1	ATPase, H <sup>+</sup> transporting, lysosomal 38kDa, V0 subunit d1
49560	Hs.502842	CAPN1	Calpain 1, (mu/I) large subunit
183440	Hs.88251	ARSA	Arylsulfatase A
993505	Hs.368325	SUPT3H	Suppressor of Ty 3 homolog (S. cerevisiae)
1473929	Hs.105636	ETV3	Ets variant 3
796966	Hs.462998	IGFBP4	Insulin-like growth factor binding protein 4
2161427	Hs.32405	PGR	Progesterone receptor
781959	Hs.744902	PHC1	Polyhomeotic homolog 1 (Drosophila)
2187900	Hs.66196	NTHL1	Nth endonuclease III-like 1 (E. coli)
2534993	Hs.376208	LTB	Lymphotoxin beta (TNF superfamily, member 3)
2387733	Hs.744273	FAIM3	Fas apoptotic inhibitory molecule 3
2522844	Hs.502872	MAP3K11	Mitogen-activated protein kinase kinase kinase 11
2244482	Hs.102914	CUL4B	Cullin 4B
811810	Hs.270621		TAF5L
326252	Hs.112444	TAF11	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kDa
754650	Hs.178023	MYF5	Myogenic factor 5
2531717	Hs.567499	WT1-AS	WT1 antisense RNA
1939252	Hs.134623	RNF7	Ring finger protein 7
796105	Hs.158237	ITGA10	Integrin, alpha 10
758645	Hs.144309	PCGF3	Polycomb group ring finger 3
2310644	Hs.339735	CUL4A	Cullin 4A
531862	Hs.251531	PSMA4	Proteasome (prosome, macropain) subunit, alpha type, 4
626967	Hs.37009	ALPI	Alkaline phosphatase, intestinal
823718	Hs.100322	CA6	Carbonic anhydrase VI
1456424	Hs.103502	GPT	Glutamic-pyruvate transaminase (alanine aminotransferase)
265645	Data not found		
796613	Hs.705959		Transcribed locus
1456419	Hs.435615	CASR	Calcium-sensing receptor
73609	Hs.507348	HS3ST1	Heparan sulfate (glucosamine) 3-O-sulfotransferase 1
811013	Hs.82927	AMPD2	Adenosine monophosphate deaminase 2

1411726	Hs.153177	RPS28	Ribosomal protein S28
1456120	Hs.524625	GRK5	G protein-coupled receptor kinase 5
683811	Hs.367437	ATM	Ataxia telangiectasia mutated
1544051	Hs.281902	SUGT1	SGT1, suppressor of G2 allele of SKP1 ( <i>S. cerevisiae</i> )
2534994	Hs.130031	TRIO	Trio Rho guanine nucleotide exchange factor
2149016	Hs.524871	POLE	Polymerase (DNA directed), epsilon, catalytic subunit
813810	In multiple ClusterIDs		
2516859	Hs.500066	TADA2A	Transcriptional adaptor 2A
214990	Hs.522373	GSN	Gelsolin
66728	Hs.365365	FECH	Ferrochelatase
144834	In multiple ClusterIDs		
381812	Hs.128848	GRIK3	Glutamate receptor, ionotropic, kainate 3
562927	Hs.471779	LRRFIP1	Leucine rich repeat (in FLII) interacting protein 1
813757	Hs.433159	FOLR2	Folate receptor 2 (fetal)
758343	Hs.381072	PPIF	Peptidylprolyl isomerase F
28774	Hs.446083	PTPRD	Protein tyrosine phosphatase, receptor type, D
768064	Hs.72912	CYP1A1	Cytochrome P450, family 1, subfamily A, polypeptide 1
1323432	Hs.460960	IDS	Iduronate 2-sulfatase
795254	In multiple ClusterIDs		
307873	Hs.343522	ATP2B4	ATPase, Ca <sup>++</sup> transporting, plasma membrane 4
738900	Hs.144941	LRRC41	Leucine rich repeat containing 41
1323203	Hs.295917	ATP6V1B2	ATPase, H <sup>+</sup> transporting, lysosomal 56/58kDa, V1 subunit B2
244194	Data not found		
549139	Hs.528631	ARSD	Arylsulfatase D
813637	Hs.567259	DNAH9	Dynein, axonemal, heavy chain 9
1323448	Hs.70327	CRIP1	Cysteine-rich protein 1 (intestinal)
770868	Hs.159223	NAB2	NGFI-A binding protein 2 (EGR1 binding protein 2)
296757	Hs.434973	GYPA	Glycophorin A (MNS blood group)
153340	Hs.75765	CXCL2	Chemokine (C-X-C motif) ligand 2
197525	Hs.642706	FMO5	Flavin containing monooxygenase 5
77897	Hs.567297	KHK	Ketohexokinase (fructokinase)
45632	Hs.386225	GYS1	Glycogen synthase 1 (muscle)
134748	Hs.546256	GCSH	Glycine cleavage system protein H (aminomethyl carrier)
811162	Hs.519168	FMOD	Fibromodulin
112629	Hs.102788	MAN1A1	Mannosidase, alpha, class 1A, member 1

136235	Hs.523836	GSTP1	Glutathione S-transferase pi 1
203721	Hs.654465	GCLC	Glutamate-cysteine ligase, catalytic subunit
809464	Hs.533683	FGFR2	Fibroblast growth factor receptor 2
810986	Hs.82887	PPP1R11	Protein phosphatase 1, regulatory (inhibitor) subunit 11
823928	In multiple ClusterIDs		
753467	Hs.419240	SLC2A3	Solute carrier family 2 (facilitated glucose transporter), member 3
121722	Hs.519294	FBN2	Fibrillin 2
50506	Hs.411847	MAPK6	Mitogen-activated protein kinase 6
137940	Hs.2006	GSTM3	Glutathione S-transferase mu 3 (brain)
172440	Hs.503222	RAB6A	RAB6A, member RAS oncogene family
951117	Hs.741179	SHMT2	Serine hydroxymethyltransferase 2 (mitochondrial)
785744	Hs.494538	PTCH	Patched homolog (Drosophila)
589751	Hs.90753	HTATIP2	HIV-1 Tat interactive protein 2, 30kDa
950710	Hs.80741	PCCA	Propionyl CoA carboxylase, alpha polypeptide
797059	Hs.732006		Transcribed locus
594743	Hs.491148	PCM1	Pericentriolar material 1
840158	Hs.716502		Transcribed locus
730410	Hs.470627	LCK	Lymphocyte-specific protein tyrosine kinase
814119	Hs.463105	DHX8	DEAH (Asp-Glu-Ala-His) box polypeptide 8
146577	Hs.435001	KLF10	Kruppel-like factor 10
814526	Hs.236361	RBM38	RNA binding motif protein 38
878838	Hs.590575	GRM3	Glutamate receptor, metabotropic 3
868380	Hs.352642	FCGR2A	Fc fragment of IgG, low affinity IIa, receptor (CD32)
289570	Hs.372000	NSMAF	Neutral sphingomyelinase (N-SMase) activation associated factor
430427	Hs.471991	MTF1	Metal-regulatory transcription factor 1
49987	Hs.32763	GRIA2	Glutamate receptor, ionotropic, AMPA 2
68557	Hs.380135	FABP1	Fatty acid binding protein 1, liver
305606	Hs.89839	EPHA1	EPH receptor A1
897880	Hs.421509	CCT4	Chaperonin containing TCP1, subunit 4 (delta)
130843	Hs.558180		MAPK8IP2
788185	Hs.521456	TNFRSF10B	Tumor necrosis factor receptor superfamily, member 10b
109179	Hs.514276	SP2	Sp2 transcription factor
66560	Hs.625768	CKAP2	Cytoskeleton associated protein 2
85394	Hs.405156	PPAP2B	Phosphatidic acid phosphatase type 2B

745347	Hs.459940	LITAF	Lipopolysaccharide-induced TNF factor
711826	Hs.498661	USP6NL	USP6 N-terminal like
843121	Hs.414565	CLIC1	Chloride intracellular channel 1
632074	In multiple ClusterIDs		
48285	Hs.554791	TP53I11	Tumor protein p53 inducible protein 11
24918	Hs.534371	PIP5K1B	Phosphatidylinositol-4-phosphate 5-kinase, type I, beta
884539	Hs.224137	C9orf114	Chromosome 9 open reading frame 114
884655	Hs.404321	GARS	Glycyl-tRNA synthetase
842825	Hs.528780	GSPT1	G1 to S phase transition 1
362910	Hs.515860	MAPRE3	Microtubule-associated protein, RP/EB family, member 3
470261	In multiple ClusterIDs		
810999	Hs.76686	GPX1	Glutathione peroxidase 1
255333	Hs.32959	GRK4	G protein-coupled receptor kinase 4
131091	Hs.478481	ALG3	ALG3, alpha-1,3- mannosyltransferase
192271	Hs.631566	SYT5	Synaptotagmin V
277507	Hs.75652	GSTM5	Glutathione S-transferase mu 5
279790	In multiple ClusterIDs		
259842	Hs.184211		PMPCB
361239	Hs.188553	RBBP6	Retinoblastoma binding protein 6
41195	Hs.532699	GCDH	Glutaryl-CoA dehydrogenase
365515	Hs.567268	FGF7	Fibroblast growth factor 7
41648	Hs.336046	IL13RA2	Interleukin 13 receptor, alpha 2
418129	Hs.325978		NUMA1
884644	Hs.449909	RPSA	Ribosomal protein SA
1574734	Hs.142912	FZD2	Frizzled family receptor 2
701492	Hs.445758	E2F5	E2F transcription factor 5, p130-binding
784866	Hs.99171	NTF3	Neurotrophin 3
937020	Hs.591016	CRADD	CASP2 and RIPK1 domain containing adaptor with death domain
1588791	Hs.501522	MGMT	O-6-methylguanine-DNA methyltransferase
727246	Hs.412707	HPRT1	Hypoxanthine phosphoribosyltransferase 1
795325	In multiple ClusterIDs		
978834	Hs.490415	ZYX	Zyxin
1602843	Hs.247077	RHOA	Ras homolog family member A



742536	Hs.390250	FGF12	Fibroblast growth factor 12
796724	Hs.37055	FGF5	Fibroblast growth factor 5
1016755	Hs.164060	GRB10	Growth factor receptor-bound protein 10
1625688	Hs.336916	DAXX	Death-domain associated protein
744917	Hs.494457	NINJ1	Ninjurin 1
809393	Hs.497492	MDM4	Mdm4 p53 binding protein homolog (mouse)
1032431	Hs.472497	BMP8A	Bone morphogenetic protein 8a
1631492	Hs.506415	CDK17	Cyclin-dependent kinase 17
146868	Hs.502872	MAP3K11	Mitogen-activated protein kinase kinase kinase 11
51083	Hs.314543	CTNND2	Catenin (cadherin-associated protein), delta 2
841070	Hs.213264	YARS	Tyrosyl-tRNA synthetase
838612	Hs.118354	PRR3	Proline rich 3
238821	Hs.584823	PLA2G7	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
84713	Hs.300774		FGB
80338	Hs.632460	SELENBP1	Selenium binding protein 1
856961	Hs.405590	EIF3E	Eukaryotic translation initiation factor 3, subunit E
270626	Hs.696032		PPARD
41345	Hs.205627	RLF	Rearranged L-myc fusion
837904	In multiple ClusterIDs		
884500	Hs.183958	PPID	Peptidylprolyl isomerase D
666084	In multiple ClusterIDs		
773845	Hs.266902	NTF4	Neurotrophin 4
877782	Hs.733575		Transcribed locus, strongly similar to NP_599193.1 Rac1 gene product [Rattus norvegicus]
1540499	Hs.162025	DCC	Deleted in colorectal carcinoma
685783	Hs.475055	BIK	BCL2-interacting killer (apoptosis-inducing)
782835	Hs.370666	FOXO1	Forkhead box O1
813714	Hs.390736	CFLAR	CASP8 and FADD-like apoptosis regulator
23185	Hs.143250	TNC	Tenascin C
754479	In multiple ClusterIDs		
366154	In multiple ClusterIDs		
321708	Hs.79353	TFDP1	Transcription factor Dp-1
327350	In multiple		

	ClusterIDs		
809946	Hs.743323	IFRD2	Interferon-related developmental regulator 2
80162	Hs.412587	RAD51C	RAD51 homolog C ( <i>S. cerevisiae</i> )
845363	Hs.463456	NME2	NME/NM23 nucleoside diphosphate kinase 2
416316	Hs.409965	PNN	Pinin, desmosome associated protein
460673	Hs.523687	CLP1	Cleavage and polyadenylation factor I subunit 1
47037	Hs.532316	DBC1	Deleted in bladder cancer 1
629896	Hs.335079	MAP1B	Microtubule-associated protein 1B
131626	Hs.530539	NFRKB	Nuclear factor related to kappaB binding protein
250069	Hs.41688	DUSP8	Dual specificity phosphatase 8
796806	In multiple ClusterIDs		
25922	Hs.250712	CACNB3	Calcium channel, voltage-dependent, beta 3 subunit
811000	Hs.514535	LGALS3BP	Lectin, galactoside-binding, soluble, 3 binding protein
109221	Hs.591040	TMEM194A	Transmembrane protein 194A
43743	In multiple ClusterIDs		
243675	Hs.371078	FAM179B	Family with sequence similarity 179, member B
150702	Hs.654456	HOXB5	Homeobox B5
123980	In multiple ClusterIDs		
248371	Hs.656374		Transcribed locus, weakly similar to XP_002801923.1 PREDICTED: coatomer subunit alpha-like [ <i>Macaca mulatta</i> ]
360213	Hs.654519	KCNAB1	Potassium voltage-gated channel, shaker-related subfamily, beta member 1
812246	Hs.371350	HLCS	Holocarboxylase synthetase (biotin-(propionyl-CoA-carboxylase (ATP-hydrolysing)) ligase)
37491	Hs.515094	TRIP10	Thyroid hormone receptor interactor 10
150314	Hs.435850		Transcribed locus
127928	Hs.162032	HBP1	HMG-box transcription factor 1
171936	Hs.632391	HPCA	Hippocalcin
809494	Hs.654379	CD151	CD151 molecule (Raph blood group)
823679	Hs.731853	LDLRAD4	Low density lipoprotein receptor class A domain containing 4
198917	Hs.632262	FAM134C	Family with sequence similarity 134, member C
129506	In multiple ClusterIDs		
300590	Hs.536122		TXNDC9
243343	Hs.189772	CCT2	Chaperonin containing TCP1, subunit 2 (beta)

810550	Hs.78466	PSMD8	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 8
878681	Hs.400295	RPL30	Ribosomal protein L30
2013956	Hs.591665	TIMP4	TIMP metalloproteinase inhibitor 4
1756035	Hs.709179	TNNI3	Troponin I type 3 (cardiac)
774078*	Hs.519075	LMOD1	Leiomodin 1 (smooth muscle)
814316	Hs.410817		RPL13
2408099	Hs.714400	TAF6L	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa
1405136	Hs.417050	CCNA1	Cyclin A1
878815	Hs.119177	ARF3	ADP-ribosylation factor 3
488964	Hs.530461	HIST2H2AA3	Histone cluster 2, H2aa3
2146142	Hs.49774	PTPRM	Protein tyrosine phosphatase, receptor type, M
712162	Hs.146806	CUL1	Cullin 1
768292	Hs.304192	<i>DSTN</i>	Destrin (actin depolymerizing factor)
740907	Hs.73722	APEX1	APEX nuclease (multifunctional DNA repair enzyme) 1
154472	Hs.264887	FGFR1	Fibroblast growth factor receptor 1
82195	Hs.159509	SERPINF2	Serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2
322914	Hs.558296	ACP1	Acid phosphatase 1, soluble
378813	Hs.517070	SLPI	Secretory leukocyte peptidase inhibitor
809421	Hs.3192	PCBD1	Pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha
1160558	Hs.503860	PTS	6-pyruvoyltetrahydropterin synthase
712460	In multiple ClusterIDs		
2240793	Hs.516646	CREB1	CAMP responsive element binding protein 1
85171	Hs.652183	ARF4	ADP-ribosylation factor 4
452780	Hs.502836	ARL2	ADP-ribosylation factor-like 2
23353	Hs.90791	GABRA6	Gamma-aminobutyric acid (GABA) A receptor, alpha 6
341681	Hs.438533	POLI	Polymerase (DNA directed) iota
282977	Hs.481545	ADCY2	Adenylate cyclase 2 (brain)
878545	Hs.515517	RPL18	Ribosomal protein L18
151104	Hs.76206	CDH5	Cadherin 5, type 2 (vascular endothelium)
2089419	Hs.649191	SP1	Sp1 transcription factor

884355	Hs.618732	WASF3	WAS protein family, member 3
50480	Hs.226007	ARG2	Arginase, type II
772304	Hs.632282	SLC25A5	Solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5
487373	Hs.80986	ATP5G1	ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex, subunit C1 (subunit 9)
770835	Hs.654441	BCKDHB	Branched chain keto acid dehydrogenase E1, beta polypeptide
279172	Hs.315369	AQP4	Aquaporin 4
363055	Hs.188528	ADD2	Adducin 2 (beta)
814353	Hs.96	PMAIP1	Phorbol-12-myristate-13-acetate-induced protein 1
344430	Hs.473163	BMP7	Bone morphogenetic protein 7
212188	Hs.445358	APOH	Apolipoprotein H (beta-2-glycoprotein I)
81604	Hs.488007	AOAH	Acyloxyacyl hydrolase (neutrophil)
66599	Hs.591847	NAT1	N-acetyltransferase 1 (arylamine N-acetyltransferase)
41208	Hs.1274	BMP1	Bone morphogenetic protein 1
786680	Hs.480653	ANXA5	Annexin A5
450464	Hs.470174	ACVR2A	Activin A receptor, type IIA
200263	Hs.93194		APOA1
788764	Hs.57690	CRYBA4	Crystallin, beta A4
853687	Hs.904	AGL	Amylo-alpha-1, 6-galactosidase, 4-alpha-galactanotransferase
683662	Hs.19156	DAAM1	Dishevelled associated activator of morphogenesis 1
2289993	Data not found		
2168295	Hs.431048	ABL1	C-abl oncogene 1, non-receptor tyrosine kinase
2222800	Hs.177766	PARP1	Poly (ADP-ribose) polymerase 1
155	Hs.525600		HSP90AA1
839552	Hs.596314	NCOA1	Nuclear receptor coactivator 1
2578588	Hs.597216	HIF1A	Hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
1461158	Hs.216639	MSH4	MutS homolog 4 (E. coli)
157	Data not found		
1403166	Hs.444172	TRAF6	TNF receptor-associated factor 6, E3 ubiquitin protein ligase
1309010	Hs.407604	MED14	Mediator complex subunit 14
1881069	Hs.386390	TADA3	Transcriptional adaptor 3
255094	Data not found		
954356	Hs.76704	AR	Androgen receptor
182429	Hs.194236	LEP	Leptin

2168381	Hs.507475	RFC1	Replication factor C (activator 1) 1, 145kDa
2498145	Hs.660607	ESR2	Estrogen receptor 2 (ER beta)
782275	In multiple ClusterIDs		
843398	Hs.73853	BMP2	Bone morphogenetic protein 2
1475659	Hs.75799	PRSS8	Protease, serine, 8
1455566	Data not found		
767419	In multiple ClusterIDs		
741988	Hs.334707		ACY1
1475797	Hs.476179	SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1
1472150	Hs.409140	ATP5O	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, O subunit
768377	In multiple ClusterIDs		
665674	Hs.654542	BDKRB2	Bradykinin receptor B2
1476053	Hs.631709	RAD51	RAD51 homolog ( <i>S. cerevisiae</i> )
1325605	Hs.518595	NSG1	Neuron specific gene family member 1
1712192	Hs.158560	TAF1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa
1844923	Hs.409226	MED12	Mediator complex subunit 12
1686512	Hs.510409	CCNK	Cyclin K
2312437	Hs.497487	PIK3C2B	Phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 beta
2519221	Hs.293753	BOK	BCL2-related ovarian killer
823717	Data not found		
681948	Hs.655995	FHIT	Fragile histidine triad
126788	Hs.119825	SPTA1	Spectrin, alpha, erythrocytic 1 (elliptocytosis 2)
243399	Hs.728753		GYPE
35185	Hs.27283	GABRB1	Gamma-aminobutyric acid (GABA) A receptor, beta 1
131839	Hs.73769	FOLR1	Folate receptor 1 (adult)
823943	Hs.83722	EPS15	Epidermal growth factor receptor pathway substrate 15
60605	In multiple ClusterIDs		
774446	Hs.441047	ADM	Adrenomedullin
1469234	Hs.74124	GPR143	G protein-coupled receptor 143
1493390	Hs.75117	ILF2	Interleukin enhancer binding factor 2
277339	Hs.523968	TP53BP2	Tumor protein p53 binding protein, 2

773367	Hs.370408	COMT	Catechol-O-methyltransferase
1475633	Hs.412117	ANXA6	Annexin A6
1456937	Hs.1154	OVGP1	Oviductal glycoprotein 1, 120kDa
897641	In multiple ClusterIDs		
853570	Hs.350927	SLC25A6	Solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6
1470333	Hs.479602	APBB2	Amyloid beta (A4) precursor protein-binding, family B, member 2
1473131	Hs.332173	TLE2	Transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila)
242955	Hs.533831	USPL1	Ubiquitin specific peptidase like 1
753775	Hs.484741	GMPR	Guanosine monophosphate reductase
126368	Hs.765	GATA1	GATA binding protein 1 (globin transcription factor 1)
143519	Hs.227729	FKBP2	FK506 binding protein 2, 13kDa
323506	Hs.431850	MAPK1	Mitogen-activated protein kinase 1
122636	Data not found		
260325	Hs.473470	GABPA	GA binding protein transcription factor, alpha subunit 60kDa
302292	Hs.368404	EXT2	Exostosin glycosyltransferase 2
753215	Hs.134587	GNAI1	Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1
471498	Hs.334534	GNS	Glucosamine (N-acetyl)-6-sulfatase
469412	Hs.592490	FH	Fumarate hydratase
665774	Hs.249718		EIF4E
44563	Hs.134974	GAP43	Growth associated protein 43
51362	Hs.481852	GTF2B	General transcription factor IIB
308437	Hs.370858	FUCA1	Fucosidase, alpha-L- 1, tissue
34849	Hs.515070	EEF2	Eukaryotic translation elongation factor 2
71606	Hs.10306	NKG7	Natural killer cell group 7 sequence
823859	In multiple ClusterIDs		
810787	In multiple ClusterIDs		
701751	Hs.191482	CUX1	Cut-like homeobox 1
897770	Hs.405662	CRABP2	Cellular retinoic acid binding protein 2
950096	Hs.33642	ARCN1	Archain 1
760224	Hs.98493	XRCC1	X-ray repair complementing defective repair in Chinese

			hamster cells 1
795965	Hs.80691	CKMT2	Creatine kinase, mitochondrial 2 (sarcomeric)
204301	Hs.437705	CDC25A	Cell division cycle 25A
785975	Hs.335513	F13A1	Coagulation factor XIII, A1 polypeptide
666425	Hs.472737	TOP1	Topoisomerase (DNA) I
898092	Hs.410037	CTGF	Connective tissue growth factor
841664	Hs.74034	CAV1	Caveolin 1, caveolae protein, 22kDa
357046	Hs.1323	CNGA1	Cyclic nucleotide gated channel alpha 1
868332	Hs.347270	HLA-DPA1	Major histocompatibility complex, class II, DP alpha 1
724893	Hs.516119	MOGS	Mannosyl-oligosaccharide glucosidase
183103	Hs.512856	SEC14L5	SEC14-like 5 (S. cerevisiae)
755526	Hs.122575	LPAR2	Lysophosphatidic acid receptor 2
52881	Hs.46296	NHLH2	Nescient helix loop helix 2
203003	Hs.9235	NME4	NME/NM23 nucleoside diphosphate kinase 4
826173	Hs.494691	PFN1	Profilin 1
739901	Hs.417077	CYP51A1	Cytochrome P450, family 51, subfamily A, polypeptide 1
714426	Hs.132370	CSTF2	Cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa
773301	Hs.191842	CDH3	Cadherin 3, type 1, P-cadherin (placental)
950680	Hs.290758	DDB1	Damage-specific DNA binding protein 1, 127kDa
949938	Hs.712867		Transcribed locus, strongly similar to NP_000090.1 CST3 gene product [Homo sapiens]
724615	Hs.469723	RCC1	Regulator of chromosome condensation 1
840894	Hs.369624		COX6A1
45641	In multiple ClusterIDs		
841641	Hs.523852	CCND1	Cyclin D1
898258	Hs.380138	CHN1	Chimerin 1
789049	In multiple ClusterIDs		
796297	Hs.443134	GBA2	Glucosidase, beta (bile acid) 2
212115	Hs.154036	PHLDA2	Pleckstrin homology-like domain, family A, member 2
153541	Hs.116092	EPHB1	EPH receptor B1
884283	Data not found		
436741	Hs.729265	GPRASP1	G protein-coupled receptor associated sorting protein 1
869233	Hs.134296	DLC1	Deleted in liver cancer 1
970591	Hs.434102	HMGB1	High mobility group box 1
278483	In multiple		

	ClusterIDs		
455123	Hs.336994	MTSS1	Metastasis suppressor 1
34102	Hs.133469	GOLGA1	Golgin A1
971212	Hs.510172	HIVEP2	Human immunodeficiency virus type I enhancer binding protein 2
151449	Hs.437040	PTPN21	Protein tyrosine phosphatase, non-receptor type 21
41430	Hs.145230	CTIF	CBP80/20-dependent translation initiation factor
22883	Hs.480085	TNNI3K	TNNI3 interacting kinase
773568	Hs.654522	POU4F1	POU class 4 homeobox 1
30175	Hs.160871	PTPRO	Protein tyrosine phosphatase, receptor type, O
588609	Hs.54697	ARHGEF9	Cdc42 guanine nucleotide exchange factor (GEF) 9
796689	Hs.733076	NPFF	Neuropeptide FF-amide peptide precursor
300250	Hs.17987	TXLNA	Taxilin alpha
413733	Hs.522632	TIMP1	TIMP metalloproteinase inhibitor 1
1019798	Data not found		
175727	Hs.462529	TNFRSF25	Tumor necrosis factor receptor superfamily, member 25
307342	In multiple ClusterIDs		
415851	Hs.6838	RND3	Rho family GTPase 3
25050	Hs.124940		RND1
190593	Hs.166109	ELAVL2	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B)
310406	Hs.654458	IL6	Interleukin 6 (interferon, beta 2)
417226	Hs.202453	MYC	V-myc myelocytomatosis viral oncogene homolog (avian)
35356	Hs.410969	NTRK3	Neurotrophic tyrosine kinase, receptor, type 3
204257	Hs.591852	ADAM9	ADAM metalloproteinase domain 9
324183	Hs.467304	IL11	Interleukin 11
429926	Hs.158932	APC	Adenomatous polyposis coli
40887	Hs.159142	LFNG	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
240961	Hs.519873	DSP	Desmoplakin
324655	Hs.126256	IL1B	Interleukin 1, beta
435470	Hs.714993		Transcribed locus
811015	Data not found		
590264	Hs.365706	MGP	Matrix Gla protein
471642	Hs.200841	LAMA2	Laminin, alpha 2



489664	Hs.229641	SUB1	SUB1 homolog ( <i>S. cerevisiae</i> )
773330	Hs.190495	GPNMB	Glycoprotein (transmembrane) nmb
854444	Hs.409934	HLA-DQB1	Major histocompatibility complex, class II, DQ beta 1
502355	Hs.567229	ACO1	Aconitase 1, soluble
382564	Hs.519385	FOXD1	Forkhead box D1
154790	Hs.415768	NGFR	Nerve growth factor receptor
810142	In multiple ClusterIDs		
853988	Hs.108104	UBE2L3	Ubiquitin-conjugating enzyme E2L 3
85541	Hs.524518		STAT6
123755	Hs.473819	ERG	V-ets erythroblastosis virus E26 oncogene homolog (avian)
156748	Hs.145586	COL4A6	Collagen, type IV, alpha 6
290230	Hs.137427	IRF8	Interferon regulatory factor 8
375833	Hs.396530	HGF	Hepatocyte growth factor (hepapoietin A; scatter factor)
291290	Hs.558402	SSX4B	Synovial sarcoma, X breakpoint 4B
163561	Hs.432642	MAPK12	Mitogen-activated protein kinase 12
37234	Hs.534341	MAP4K2	Mitogen-activated protein kinase kinase kinase kinase 2
156045	Hs.200600	SCAMP3	Secretory carrier membrane protein 3
811911	In multiple ClusterIDs		
727210	Hs.715837		CDNA clone IMAGE:5266573
193990	Hs.17614	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10
49860	Hs.256667	PDK2	Pyruvate dehydrogenase kinase, isozyme 2
884301	Hs.557550	NPM1	Nucleophosmin (nucleolar phosphoprotein B23, numatrin)
731054	Hs.195799	MTTP	Microsomal triglyceride transfer protein
854701	Hs.643030	LIPA	Lipase A, lysosomal acid, cholesterol esterase
263836	Hs.514802	ZNF24	Zinc finger protein 24
845415	Hs.319334	NASP	Nuclear autoantigenic sperm protein (histone-binding)
291880	Hs.389137	MFAP2	Microfibrillar-associated protein 2
878744	Hs.523512	TSG101	Tumor susceptibility gene 101
755750	Hs.463456	NME2	NME/NM23 nucleoside diphosphate kinase 2
969748	Hs.485527	MUT	Methylmalonyl CoA mutase
878413	Hs.720597		Transcribed locus
755751	Hs.287362	TLE3	Transducin-like enhancer of split 3 (E(sp1) homolog, <i>Drosophila</i> )
292388	In multiple ClusterIDs		

45231	Hs.657862	GPR19	G protein-coupled receptor 19
109265	Hs.592591	ZNF148	Zinc finger protein 148
296679	In multiple ClusterIDs		
282310	Hs.530749	PPFIA1	Protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1
300482	Hs.98751	FUBP3	Far upstream element (FUSE) binding protein 3
212198	Hs.523968	TP53BP2	Tumor protein p53 binding protein, 2
327304	Hs.632447	DCAF8	DDB1 and CUL4 associated factor 8
245330	Hs.272259	IGF2	Insulin-like growth factor 2 (somatomedin A)
308588	Hs.173464	FKBP8	FK506 binding protein 8, 38kDa
46284	Hs.507669	FRY	Furry homolog (Drosophila)
33941	Hs.89655	PTPRN	Protein tyrosine phosphatase, receptor type, N
201890	Hs.127799	BIRC3	Baculoviral IAP repeat containing 3
155583	Hs.531251	TRAF1	TNF receptor-associated factor 1
139540	Hs.520259	OSBPL3	Oxysterol binding protein-like 3
756847	Hs.243994	DEAF1	DEAF1 transcription factor
345208	Hs.184492	ELAVL1	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)
754538	Hs.356742	DRAP1	DR1-associated protein 1 (negative cofactor 2 alpha)
782339	In multiple ClusterIDs		
207087	Hs.465337	PHLPP1	PH domain and leucine rich repeat protein phosphatase 1
121530	Hs.180535		FERMT3
141627	Hs.10784	FAM46A	Family with sequence similarity 46, member A
33051	In multiple ClusterIDs		
366341	In multiple ClusterIDs		
202607	Data not found		
292719	Hs.16157	VIPAS39	VPS33B interacting protein, apical-basolateral polarity regulator, spe-39 homolog
838359	Hs.77890	GUCY1B3	Guanylate cyclase 1, soluble, beta 3
26566	In multiple ClusterIDs		
240945	Hs.332119		SLC22A25
137581	Hs.534560	SLC44A2	Solute carrier family 44, member 2
433155	Hs.30054	F5	Coagulation factor V (proaccelerin, labile factor)
745402	Hs.529862	CSNK1A1	Casein kinase 1, alpha 1

745214	Hs.654552	KDEL2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2
293689	Hs.95612	DSC2	Desmocollin 2
344759	Hs.172865	CSTF1	Cleavage stimulation factor, 3' pre-RNA, subunit 1, 50kDa
80221	Hs.646	CPA3	Carboxypeptidase A3 (mast cell)
214162	Hs.438462	MT1H	Metallothionein 1H
121316	Hs.224012	JAG1	Jagged 1 (Alagille syndrome)
841278	Hs.484738	MYLIP	Myosin regulatory light chain interacting protein
66774	In multiple ClusterIDs		
609332	Hs.409662	COL14A1	Collagen, type XIV, alpha 1
135608	Hs.150122	OSBPL10	Oxysterol binding protein-like 10
66535	Hs.744924	OAZ2	Ornithine decarboxylase antizyme 2
233365	Hs.142442	HP1BP3	Heterochromatin protein 1, binding protein 3
42076	Hs.518123	TFG	TRK-fused gene
382773	Hs.621695	MALAT1	Metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)
112865	Hs.26613	LARP4	La ribonucleoprotein domain family, member 4
201986	Hs.379548	UBR3	Ubiquitin protein ligase E3 component n-recognin 3 (putative)
845419	Hs.744083	FANCA	Fanconi anemia, complementation group A
153505	Hs.80552	DPT	Dermatopontin
83549	Hs.524224	C1R	Complement component 1, r subcomponent
415102	Hs.656	CDC25C	Cell division cycle 25C
866882	Hs.593928	FDFT1	Farnesyl-diphosphate farnesyltransferase 1
755228	Hs.522413	DNM1	Dynamin 1
460470	Hs.99886	C4BPB	Complement component 4 binding protein, beta
377461	In multiple ClusterIDs		
884867	Hs.433702	EIF5	Eukaryotic translation initiation factor 5
878468	Hs.513856	DPH1	DPH1 homolog (S. cerevisiae)
713974	Hs.586219	CSF1R	Colony stimulating factor 1 receptor
845355	Hs.128065	CTSC	Cathepsin C
725321	Hs.208124	ESR1	Estrogen receptor 1
770880	Hs.654580	PRIM2	Primase, DNA, polypeptide 2 (58kDa)
769959	Hs.508716	COL4A2	Collagen, type IV, alpha 2
377314	Hs.82201	CSNK2A2	Casein kinase 2, alpha prime polypeptide

743041	Hs.380233	BUD31	BUD31 homolog ( <i>S. cerevisiae</i> )
433162	Hs.524871	POLE	Polymerase (DNA directed), epsilon, catalytic subunit
1916687	Hs.501497	CD70	CD70 molecule
2114863	Hs.514527		CDNA clone IMAGE:3354269
1647954	Hs.150423	CDK9	Cyclin-dependent kinase 9
1736044	Hs.647094	FASTK	Fas-activated serine/threonine kinase
1927303	Hs.433445	JAG2	Jagged 2
2137170	Hs.234569	ZAP70	Zeta-chain (TCR) associated protein kinase 70kDa
1652077	Hs.296648	BMP5	Bone morphogenetic protein 5
1742260	Hs.721234	Sep-02	Septin 2
1932646	Hs.213424	SFRP1	Secreted frizzled-related protein 1
2145077	Hs.83722	EPS15	Epidermal growth factor receptor pathway substrate 15
1662329	Hs.437846	SMO	Smoothed, frizzled family receptor
1751068	Hs.158460	CDK5R2	Cyclin-dependent kinase 5, regulatory subunit 2 (p39)
1934348	Hs.161000	ARID4A	AT rich interactive domain 4A (RBP1-like)
2146427	Hs.148090	CDH15	Cadherin 15, type 1, M-cadherin (myotubule)
1674404	Hs.120949	CD36	CD36 molecule (thrombospondin receptor)
1752379	Hs.100299	LIG3	Ligase III, DNA, ATP-dependent
1949445	Hs.494312	NTRK2	Neurotrophic tyrosine kinase, receptor, type 2
2157762	Hs.138211	MAPK8	Mitogen-activated protein kinase 8
592802	Hs.527061	RGS12	Regulator of G-protein signaling 12
280740	Hs.654567	DENND4A	DENN/MADD domain containing 4A
595109	Hs.503368	ALG8	ALG8, alpha-1,3-glucosyltransferase
278101	In multiple ClusterIDs		
743278	Hs.129055	ODF2	Outer dense fiber of sperm tails 2
324715	In multiple ClusterIDs		
252382	Data not found		
950473	Hs.600503		Transcribed locus, strongly similar to NP_003070.3 SMARCE1 gene product [ <i>Homo sapiens</i> ]
840803	In multiple ClusterIDs		
593183	Hs.5509	EVI2B	Ecotropic viral integration site 2B
897595	Hs.153934	CBFA2T2	Core-binding factor, runt domain, alpha subunit 2; translocated to, 2

626716	Hs.192221	ELL2	Elongation factor, RNA polymerase II, 2
1632285	Hs.654570	KRT15	Keratin 15
1733423	Hs.435981	ERCC1	Excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)
1893144	Hs.356076	XIAP	X-linked inhibitor of apoptosis
2107532	Hs.654470	ITGB7	Integrin, beta 7
1643268	Hs.156316	DCN	Decorin
1734498	Hs.533683	FGFR2	Fibroblast growth factor receptor 2
365060	Hs.321541	RAB11A	RAB11A, member RAS oncogene family
809992	In multiple ClusterIDs		
256664	Hs.477879	H2AFX	H2A histone family, member X
210862	Hs.464137	ACOX1	Acyl-CoA oxidase 1, palmitoyl
234237	Hs.495728	PIR	Pirin (iron-binding nuclear protein)
184365	Hs.150423	CDK9	Cyclin-dependent kinase 9
526945	In multiple ClusterIDs		
843234	Hs.90458	SPTLC1	Serine palmitoyltransferase, long chain base subunit 1
837923	In multiple ClusterIDs		
839980	Hs.719203	SLC37A4	Solute carrier family 37 (glucose-6-phosphate transporter), member 4
509887	Hs.533282	NONO	Non-POU domain containing, octamer-binding
855872	Hs.584782	NRD1	Nardilysin (N-arginine dibasic convertase)
377048	Hs.439620	MYO1B	Myosin IB
595604	Hs.524599	NAP1L1	Nucleosome assembly protein 1-like 1
135338	Hs.584833	TAF1B	TATA box binding protein (TBP)-associated factor, RNA polymerase I, B, 63kDa
511909	Hs.591853	CDH17	Cadherin 17, LI cadherin (liver-intestine)
626555	Hs.631863	PNPLA6	Patatin-like phospholipase domain containing 6
838744	Hs.467084	EIF4G3	Eukaryotic translation initiation factor 4 gamma, 3
296587	Hs.196952	HLF	Hepatic leukemia factor
108667	Hs.406277	SF3A1	Splicing factor 3a, subunit 1, 120kDa
752732	In multiple ClusterIDs		
251019	Hs.461086	CDH1	Cadherin 1, type 1, E-cadherin (epithelial)
246079	In multiple ClusterIDs		
295798	Hs.90061	PGRMC1	Progesterone receptor membrane component 1

132012	Hs.443837	NPEPPS	Aminopeptidase puromycin sensitive
755239	In multiple ClusterIDs		
124824	Hs.546269	RPL10A	Ribosomal protein L10a
813854	Hs.443121	PURA	Purine-rich element binding protein A
49518	Hs.491988	TRAM1	Translocation associated membrane protein 1
26711	Hs.591671	NCBP2	Nuclear cap binding protein subunit 2, 20kDa
120572	Hs.370140	HELZ	Helicase with zinc finger
564621	Hs.478153	SERPINI1	Serpin peptidase inhibitor, clade I (neuroserpin), member 1
823930	Hs.124126	ARPC1A	Actin related protein 2/3 complex, subunit 1A, 41kDa
363144	Hs.33102	TFAP2B	Transcription factor AP-2 beta (activating enhancer binding protein 2 beta)
724112	Hs.98661	HOXD-AS1	HOXD cluster antisense RNA 1
813536	Hs.464971	PIK3C3	Phosphatidylinositol 3-kinase, catalytic subunit type 3
666128	Hs.155597	CFD	Complement factor D (adipsin)
704020	Hs.592192	CSF2RB	Colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
83605	Hs.149252	CPS1	Carbamoyl-phosphate synthase 1, mitochondrial
704459	In multiple ClusterIDs		
842860	Hs.654593	IL10RB	Interleukin 10 receptor, beta
810632	Hs.420269	COL6A2	Collagen, type VI, alpha 2
511521	Hs.567968	CANX	Calnexin
490368	Hs.34341	CD58	CD58 molecule
40017	Hs.437060		CYCS
839991	Hs.489142	COL1A2	Collagen, type I, alpha 2
40751	Hs.368322	CDH8	Cadherin 8, type 2
713145	Hs.502328	CD44	CD44 molecule (Indian blood group)
505491	Hs.474010	PTTG1IP	Pituitary tumor-transforming 1 interacting protein
51406	Hs.655498	SLC13A3	Solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3
324749	Hs.380133	ZHX3	Zinc fingers and homeoboxes 3
741852	Hs.531111	YLPM1	YLP motif containing 1
135085	Hs.632161	AP3S2	Adaptor-related protein complex 3, sigma 2 subunit
203732	Hs.520989	FGL2	Fibrinogen-like 2
51666	Hs.469872	ERCC3	Excision repair cross-complementing rodent repair deficiency, complementation group 3

85497	Hs.408903	C2	Complement component 2
841470	Hs.148641	CTSH	Cathepsin H
897531	In multiple ClusterIDs		
842849	Hs.201897	POLA2	Polymerase (DNA directed), alpha 2, accessory subunit
898122	Hs.78065	C7	Complement component 7
774754	Hs.476018	CTNNB1	Catenin (cadherin-associated protein), beta 1, 88kDa
725454	Hs.83758	CKS2	CDC28 protein kinase regulatory subunit 2
838373	Hs.191518	DHX9	DEAH (Asp-Glu-Ala-His) box polypeptide 9
85634	Hs.458355	C1S	Complement component 1, s subcomponent
795840	Hs.719698		Transcribed locus
840978	In multiple ClusterIDs		
397495	Hs.656653	CTNNA1	Catenin (cadherin-associated protein), alpha 1, 102kDa
249603	Hs.276271	STK39	Serine threonine kinase 39
884719	Hs.180414	HSPA8	Heat shock 70kDa protein 8
882483	Hs.7879	IFRD1	Interferon-related developmental regulator 1
448098	Hs.355581	ZBTB43	Zinc finger and BTB domain containing 43
489823	Hs.534383	COX17	Cytochrome c oxidase assembly homolog 17 (yeast)
772890	Hs.592121	RABEP1	Rabaptin, RAB GTPase binding effector protein 1
840474	Hs.286226	MYO1C	Myosin IC
52926	Hs.654743	SRGAP3	SLIT-ROBO Rho GTPase activating protein 3
39843	Hs.26047	CELF3	CUGBP, Elav-like family member 3
178569	Hs.440896	SLC9A3R2	Solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 2
270505	Hs.2399	MMP14	Matrix metalloproteinase 14 (membrane-inserted)
122298	Hs.516107	TET3	Tet methylcytosine dioxygenase 3
588559	Hs.103315	ZNF384	Zinc finger protein 384
306444	Hs.112444	TAF11	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kDa
471664	Hs.128702	FBXO46	F-box protein 46
133118	Hs.277624	ZZEF1	Zinc finger, ZZ-type with EF-hand domain 1
197520	Hs.592142	NCOA3	Nuclear receptor coactivator 3
342349	Hs.404183	MAP3K14	Mitogen-activated protein kinase kinase kinase 14
470672	Hs.132257	TANK	TRAF family member-associated NFKB activator
79829	Hs.390729	ERBB4	V-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)

271662	Hs.233552	CDK13	Cyclin-dependent kinase 13
346177	Hs.81134	IL1RN	Interleukin 1 receptor antagonist
486591	Hs.269109	SEMA3C	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C
139637	Hs.2164	PPBP	Pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
277305	Hs.502876	RHOB	Ras homolog family member B
359976	Hs.708195	IFNAR2	Interferon (alpha, beta and omega) receptor 2
489519	Hs.644633	TIMP3	TIMP metalloproteinase inhibitor 3
145844	Hs.1976	PDGFB	Platelet-derived growth factor beta polypeptide
285460	Hs.390171	COL11A2	Collagen, type XI, alpha 2
362834	Hs.445402	CDK18	Cyclin-dependent kinase 18
491403	In multiple ClusterIDs		
151501	Hs.89640	TEK	TEK tyrosine kinase, endothelial
287687	Hs.529400	IFNAR1	Interferon (alpha, beta and omega) receptor 1
365826	Hs.65029	GAS1	Growth arrest-specific 1
563602	Hs.408182	COL2A1	Collagen, type II, alpha 1
154720	Hs.433291	NAA10	N(alpha)-acetyltransferase 10, NatA catalytic subunit
855547	Hs.696211	HLA-DRB1	Major histocompatibility complex, class II, DR beta 1
287687	Hs.529400	IFNAR1	Interferon (alpha, beta and omega) receptor 1
290091	Hs.256747	SPAG8	Sperm associated antigen 8
359661	Hs.183109	MAOA	Monoamine oxidase A
293925	In multiple ClusterIDs		
755578	Hs.513797	SLC7A5	Solute carrier family 7 (amino acid transporter light chain, L system), member 5
854696	Hs.521924	PUF60	Poly-U binding splicing factor 60KDa
784296	Hs.163924	NR3C2	Nuclear receptor subfamily 3, group C, member 2
344589	In multiple ClusterIDs		
344134	Hs.348935	IGLL1	Immunoglobulin lambda-like polypeptide 1
244951	Hs.654604	PPP5C	Protein phosphatase 5, catalytic subunit
48283	Hs.654492	EPHA5	EPH receptor A5
246722	Hs.38449	SERPINE2	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2
341609	In multiple ClusterIDs		



446360	Hs.472860	CD40	CD40 molecule, TNF receptor superfamily member 5
52096	Hs.74615	PDGFRA	Platelet-derived growth factor receptor, alpha polypeptide
267256	Hs.410037	CTGF	Connective tissue growth factor
289337	Hs.510635	IGHG1	Immunoglobulin heavy constant gamma 1 (G1m marker)
347434	Hs.446459	LEPREL4	Leprecan-like 4
823614	Hs.584809	TDG	Thymine-DNA glycosylase
364329	In multiple ClusterIDs		
768272	In multiple ClusterIDs		
27787	Hs.148909	CHL1	Cell adhesion molecule with homology to L1CAM (close homolog of L1)
436554	Hs.458272	MPO	Myeloperoxidase
611443	Hs.517586	MB	Myoglobin
757440	In multiple ClusterIDs		
471859	Hs.314327	MEF2D	Myocyte enhancer factor 2D
611255	Hs.35937	MYF6	Myogenic factor 6 (herculin)
273546	Hs.518774	PAICS	Phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase
298417	Hs.82961	TFF3	Trefoil factor 3 (intestinal)
435551	Hs.443258	SREBF2	Sterol regulatory element binding transcription factor 2
433567	Hs.105806	GPLY	Granulysin
447568	Hs.532632	ATXN3	Ataxin 3
289496	Hs.437609	IFIT2	Interferon-induced protein with tetratricopeptide repeats 2
857661	Hs.406423	SF3B2	Splicing factor 3b, subunit 2, 145kDa
768205	In multiple ClusterIDs		
771000	Hs.5086	RBM42	RNA binding motif protein 42
510542	Hs.651244	GPA33	Glycoprotein A33 (transmembrane)
26021	Hs.463928	DLG4	Discs, large homolog 4 (Drosophila)
741815	Hs.644711		Transcribed locus
564962	Hs.522868	DAZ1	Deleted in azoospermia 1
241982	Hs.57079	PIP4K2A	Phosphatidylinositol-5-phosphate 4-kinase, type II, alpha
46897	Hs.30954	PMVK	Phosphomevalonate kinase
31093	Hs.654386	CDH13	Cadherin 13, H-cadherin (heart)

280236	In multiple ClusterIDs		
727792	Hs.191046	PDE1A	Phosphodiesterase 1A, calmodulin-dependent
41356	Hs.744012	PPP2R5A	Protein phosphatase 2, regulatory subunit B', alpha
767765	Hs.654463	GEM	GTP binding protein overexpressed in skeletal muscle
754355	Hs.27621	SEMA5A	Sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A
361048	Hs.122523	SND1	Staphylococcal nuclease and tudor domain containing 1
293104	Hs.498732	PHYH	Phytanoyl-CoA 2-hydroxylase
563598	Hs.26225	GABRP	Gamma-aminobutyric acid (GABA) A receptor, pi
204214	Hs.405958	CDC6	Cell division cycle 6
66953	Hs.417029	ELP5	Elongator acetyltransferase complex subunit 5
202722	Data not found		
684940	Hs.267632	TMF1	TATA element modulatory factor 1
230202	Hs.467239	ZNF347	Zinc finger protein 347
292217	Hs.434951	USP15	Ubiquitin specific peptidase 15
246543	Data not found		
161950	Hs.483486	KDM3B	Lysine (K)-specific demethylase 3B
705265	Hs.729053	ZMYM6	Zinc finger, MYM-type 6
246749	Hs.744927	DOCK7	Dedicator of cytokinesis 7
565493	In multiple ClusterIDs		
67033	Hs.170205	LOC729041	Fatty acid amide hydrolase pseudogene
161484	Multiple genes		
366067	Hs.513430	CDR2	Cerebellar degeneration-related protein 2, 62kDa
307471	Hs.441664	TSPAN7	Tetraspanin 7
123971	Hs.648635	DHFR	Dihydrofolate reductase
624754	Hs.460988	CBFB	Core-binding factor, beta subunit
739193	Hs.346950	CRABP1	Cellular retinoic acid binding protein 1
123264	Hs.479214	CD38	CD38 molecule
214816	In multiple ClusterIDs		
242820	In multiple ClusterIDs		
124052	Hs.226284		Transcribed locus
310356	Hs.9613	ANGPTL4	Angiopoietin-like 4
119882	In multiple ClusterIDs		
195875	Data not found		

120343	Data not found		
245444	Hs.458973	ZFHX4	Zinc finger homeobox 4
129392	Hs.438673		ANKRD13D
195200	Hs.278064	ZNF37BP	Zinc finger protein 37B, pseudogene
130008	Data not found		
127408	Hs.515696	ZNF737	Zinc finger protein 737
809828	Hs.445758		E2F5
295843	Hs.516700	CYP27A1	Cytochrome P450, family 27, subfamily A, polypeptide 1
366541	In multiple ClusterIDs		
486787	Hs.483454	CNN3	Calponin 3, acidic
897006	Hs.368240	DYRK1A	Dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A
415817	In multiple ClusterIDs		
110744	Hs.730607	NCAPH2	Non-SMC condensin II complex, subunit H2
882548	Hs.515371	CAPNS1	Calpain, small subunit 1
384015	Hs.359698	DDC	Dopa decarboxylase (aromatic L-amino acid decarboxylase)
344997	Hs.139389	CST6	Cystatin E/M
46367	Hs.77221	CHKA	Choline kinase alpha
724888	Hs.436317	CYP4B1	Cytochrome P450, family 4, subfamily B, polypeptide 1
361688	Hs.490684	DPP6	Dipeptidyl-peptidase 6
130242	Hs.184298	CDK7	Cyclin-dependent kinase 7
472008	Hs.301921	CCR1	Chemokine (C-C motif) receptor 1
854401	Hs.407535	PRKG1	Protein kinase, cGMP-dependent, type I
279665	Hs.502315	PDHX	Pyruvate dehydrogenase complex, component X
455128	Hs.1973	CCNF	Cyclin F
2021468	Hs.518530	PAK2	P21 protein (Cdc42/Rac)-activated kinase 2
2163351	Hs.368982	CASP2	Caspase 2, apoptosis-related cysteine peptidase
1708905	Hs.91985	WNT10B	Wingless-type MMTV integration site family, member 10B
1847162	Hs.437460	TP53	Tumor protein p53
2062345	Hs.523329	EPHB2	EPH receptor B2
2168944	Hs.646917	FLT4	Fms-related tyrosine kinase 4
1711438	Hs.407995	MIF	Macrophage migration inhibitory factor (glycosylation-inhibiting factor)
1854033	Hs.104	HGFAC	HGF activator
2064198	Hs.32981	SEMA3F	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F

825260	In multiple ClusterIDs		
1722882	Hs.467284	RPS9	Ribosomal protein S9
1857026	Hs.2258	MMP10	Matrix metalloproteinase 10 (stromelysin 2)
2090264	Hs.591873	IL7	Interleukin 7
1283333	Hs.35758	KAT6B	K(lysine) acetyltransferase 6B
1723720	Hs.502659	RHOC	Ras homolog family member C
1875987	Hs.643085	WNT5A	Wingless-type MMTV integration site family, member 5A
2104117	Hs.473231	CDH4	Cadherin 4, type 1, R-cadherin (retinal)
2506249	Hs.743372	BAZ1B	Bromodomain adjacent to zinc finger domain, 1B
839374	Hs.357637	EXTL2	Exostosin-like glycosyltransferase 2
510856	In multiple ClusterIDs		
773203	In multiple ClusterIDs		
610097	Hs.10136	BPHL	Biphenyl hydrolase-like (serine hydrolase)
884272	Hs.706888		Transcribed locus
773383	Hs.591229	DLEU1	Deleted in lymphocytic leukemia 1 (non-protein coding)
611150	Hs.429	ATP5G3	ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex, subunit C3 (subunit 9)
753794	Hs.100431	CXCL13	Chemokine (C-X-C motif) ligand 13
770675	Hs.733403	TMED2	Transmembrane emp24 domain trafficking protein 2
545403	Hs.114412	TXNL1	Thioredoxin-like 1
839882	In multiple ClusterIDs		
627039	Hs.594351	ADAM12	ADAM metalloproteinase domain 12
1682258	Hs.367900	PDCD2	Programmed cell death 2
1837472	Hs.845	IL13	Interleukin 13
2014424	Hs.159494	BTK	Bruton agammaglobulinemia tyrosine kinase
2161567	Hs.93574	HOXD3	Homeobox D3
1704980	Hs.567260	DSC1	Desmocollin 1
1839737	Hs.594952	DES	Desmin
813751	Hs.591947	ST3GAL4	ST3 beta-galactoside alpha-2,3-sialyltransferase 4
194182	In multiple ClusterIDs		
740027	Hs.13318	DISC1	Disrupted in schizophrenia 1
547058	Hs.79101	CCNG1	Cyclin G1

299154	In multiple ClusterIDs		
470175	Hs.6917	CMC4	C-x(9)-C motif containing 4 homolog ( <i>S. cerevisiae</i> )
1049033	Hs.86368	CLGN	Calmegin
784109	Hs.371199	SGCE	Sarcoglycan, epsilon
594633	Hs.210995	CA12	Carbonic anhydrase XII
840766	Hs.495656	TBL1X	Transducin (beta)-like 1X-linked
593114	Hs.530477	SIPA1	Signal-induced proliferation-associated 1
842861	Hs.373763	HNRNPR	Heterogeneous nuclear ribonucleoprotein R
30473	Hs.524899	SAP18	Sin3A-associated protein, 18kDa
843098	Hs.201641	BASP1	Brain abundant, membrane attached signal protein 1
725630	Hs.517216	PEA15	Phosphoprotein enriched in astrocytes 15
842918	Hs.403917	FARP1	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)
877664	In multiple ClusterIDs		
299559	Hs.524788	RAB35	RAB35, member RAS oncogene family
121621	Hs.106212	HNRNPU	Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)
234562	Hs.210367	SCAF11	SR-related CTD-associated factor 11
511428	Hs.301350	FXYD3	FXYD domain containing ion transport regulator 3
302591	Hs.654594	RHOH	Ras homolog family member H
669443	Hs.158195	HSF2	Heat shock transcription factor 2
40056	Hs.513044	CSPG4	Chondroitin sulfate proteoglycan 4
727292	Hs.504641	CD163	CD163 molecule
241880	Hs.510328	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24
193383	Hs.529609	ATP13A3	ATPase type 13A3
809353	Hs.75254	IRF3	Interferon regulatory factor 3
72050	Hs.430733	CLNS1A	Chloride channel, nucleotide-sensitive, 1A
177737	Hs.443121	PURA	Purine-rich element binding protein A
823756	Hs.509343	FERMT2	Fermitin family member 2
525518	Hs.386939	USP7	Ubiquitin specific peptidase 7 (herpes virus-associated)
810040	Hs.23119	TMEM187	Transmembrane protein 187
810724	Hs.76095	IER3	Immediate early response 3
301018	Hs.659851	CDKL5	Cyclin-dependent kinase-like 5
243741	Hs.44532	UBD	Ubiquitin D

\* clones that corresponded to the 'leio-subclass' genes from Nielsen *et al.* (1)