

# Supplementary Table 1

## Expression of gene sequences increased or decreased by 2 folds or more

Accession number		Symbol	Fold change	P value
AA630320	methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methylenetetrahydrofolate cyclohydrolase	MTHFD2	22.62	<b>0.048</b>
T60117	spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)	SPTAN1	12.73	<b>0.042</b>
AI311734	fatty acid binding protein 6, ileal (gastrotropin)	FABP6	5.17	<b>0.033</b>
AA291486	PTK2 protein tyrosine kinase 2	PTK2	4.73	<b>0.010</b>
AW029010	nuclear protein	NP220	4.71	<b>0.008</b>
N92519	E2F transcription factor 3	E2F3	4.33	<b>0.019</b>
AA410435	alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, <i>S. cerevisiae</i> )	ATR	3.96	<b>0.025</b>
AA704492	transducin-like enhancer of split 4 (E(sp1) homolog, <i>Drosophila</i> )	TLE4	3.71	<b>0.031</b>
N63845	phytanoyl-CoA hydroxylase (Refsum disease)	PHYH	3.47	<b>0.004</b>
AA447748	dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid)	DLD	3.42	<b>0.012</b>
AA521350	15 kDa selenoprotein		15-Sep	3.31
AA425302	MAGEF1 protein	MAGEF1	3.31	<b>0.003</b>
R09069	glucan (1,4-alpha)-, branching enzyme 1 (glycogen branching enzyme, Andersen disease, glycogen storage disease type IV)	GBE1	3.23	<b>0.009</b>
AA410636	isoleucine-tRNA synthetase	IARS	3.21	<b>0.025</b>
AA459683	peroxiredoxin 4	PRDX4	3.17	<b>0.005</b>
R52654	cytochrome c	HCS	3.10	<b>0.032</b>
N81076	far upstream element (FUSE) binding protein 3	FUBP3	3.07	<b>0.037</b>
AA448194	survival of motor neuron 2, centromeric	SMN2	3.07	<b>0.040</b>
N93053	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGDH)	NDUFB5	3.06	<b>0.032</b>
N94428	E1A binding protein p300	EP300	2.99	<b>0.011</b>
AA447632	glivoprotein M6A	GPMP6A	2.94	<b>0.035</b>
AA099534	activated RNA polymerase II transcription cofactor 4	PC4	2.91	<b>0.017</b>
AA029419	envoplakin	EVPL	2.80	<b>0.021</b>
AA504852	small membrane protein 1	SMP1	2.77	<b>0.024</b>
H18070	mitochondrial translational initiation factor 2	MTIF2	2.76	<b>0.038</b>
N74956	polymerase (RNA) II (DNA directed) polypeptide B (140kD)	POLR2B	2.74	<b>0.032</b>
R54807	sarcoglycan, beta (43kD dystrophin-associated glycoprotein)	SGCB	2.70	<b>0.046</b>
H65676	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	ST13	2.70	<b>0.018</b>
H85464	Deleted in split-hand/split-foot 1 region	DSS1	2.68	<b>0.017</b>
AA402875	U6 snRNA-associated Sm-like protein LSm7	LCS31690	2.66	<b>0.041</b>
AI671926	tumor protein, translationally-v-controlled 1	TPP1	2.63	<b>0.036</b>
H28710	endothelin receptor type B	EDNRB	2.62	<b>0.043</b>
AA453776	alcohol dehydrogenase 5 (class III), chi polypeptide	ADH5	2.61	<b>0.023</b>
AA043347	a disintegrin and metalloproteinase domain 10	ADAM10	2.57	<b>0.003</b>
W70234	dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2)	DPP4	2.54	<b>0.047</b>
N47099	MAD, mothers against decapentaplegic homolog 2 ( <i>Drosophila</i> )	MADH2	2.53	<b>0.029</b>
AA449753	capping protein (actin filament) muscle Z-line, alpha 1	CAPZA1	2.50	<b>0.019</b>
T81103	Sp2 transcription factor	SP2	2.49	<b>0.034</b>
R59927	paired basic amino acid cleaving enzyme (lurin, membrane associated receptor protein)	PACE	2.49	<b>0.021</b>
W96107	Sec61 gamma	SEC61G	2.48	<b>0.012</b>
H50229	pyrophosphatase (inorganic)	PP	2.48	<b>0.038</b>
AA045731	TGFB inducible early growth response	TIEG	2.46	<b>0.036</b>
AA621315	catenin (cadherin-associated protein), alpha-like 1	CTNNAL1	2.46	<b>0.030</b>
AA235388	tropomodulin	TMOD	2.45	<b>0.042</b>
AI824256	sine oculis homeobox homolog 1 ( <i>Drosophila</i> )	SIX1	2.45	<b>0.030</b>
AI968209	ash2 (absent, small, or homeotic)-like ( <i>Drosophila</i> )	ASH2L	2.41	<b>0.034</b>
W95964	PHD finger protein 3	PHF3	2.41	<b>0.046</b>
R55251	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	GCN1L1	2.40	<b>0.029</b>
AA459263	BCL2-related protein A1	BCL2A1	2.39	<b>0.008</b>
AA708298	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide	ATP5B	2.37	<b>0.043</b>
AA284492	tetraspan 3	TSPAN3	2.34	<b>0.018</b>
AA448277	forkhead box O1A (rhabdomyosarcoma)	FOXO1A	2.32	<b>0.004</b>
AA935263	glutamate receptor, ionotropic, AMPA 3	GRIA3	2.32	<b>0.017</b>
AA432085	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	YWHA3	2.32	<b>0.008</b>
W02101	heterogeneous nuclear ribonucleoprotein A2/B1	HRP2B1	2.31	<b>0.009</b>
W15574	N/A	N/A	2.31	<b>0.033</b>
AA430744	N/A	N/A	2.30	<b>0.003</b>
AA043501	v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	MAF	2.30	<b>0.026</b>
N59626	protein disulfide isomerase related protein (calcium-binding protein, intestinal-related)	ERP70	2.29	<b>0.018</b>
AA045793	DnaJ (Hsp40) homolog, subfamily B, member 9	DNAJB9	2.29	<b>0.014</b>
AA012822	oxysterol binding protein	OSBP	2.28	<b>0.047</b>
AA490920	MHC class II transactivator	MMCH2A	2.28	<b>0.033</b>
AA459868	ESTs, Moderately similar to UBCE5 HUMAN UBIQUITIN-CONJUGATING ENZYME E2-21 KD UBCH6 [H.sapiens]	N/A	2.27	<b>0.018</b>
AA076063	Homo sapiens, clone IMAGE4298901, mRNA	N/A	2.26	<b>0.046</b>
N70794	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	ACADM	2.24	<b>0.011</b>
R71328	ESTs, Highly similar to GCHUH glycine cleavage system protein H precursor [H.sapiens]	N/A	2.23	<b>0.037</b>
AA456028	Rab geranylgeranyltransferase, beta subunit	RABGGTB	2.23	<b>0.013</b>
AA133212	nuclear receptor coactivator 4	NCOA4	2.22	<b>0.020</b>
AI493402	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kD	TAF1A	2.21	<b>0.019</b>
N89861	mitochondrial ribosomal protein L42	MRPL42	2.21	<b>0.025</b>
AA504465	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6	ATP5F6	2.21	<b>0.023</b>
H73353	Fc fragment of IgE, high affinity I, receptor for, gamma polypeptide	FCER1G	2.20	<b>0.036</b>
H73914	LIM domain binding 2	LDB2	2.20	<b>0.047</b>
AA256508	spinocerebellar ataxia 1 (olivopontocerebellar ataxia 1, autosomal dominant, ataxin 1)	SCA1	2.19	<b>0.004</b>
AA504521	tousled-like kinase 1	TLK1	2.19	<b>0.039</b>
AA18821	nuclear autoantigen	GS2NA	2.17	<b>0.016</b>
AA046067	UDP-glucose pyrophosphorylase 2	UGP2	2.17	<b>0.039</b>
AA453765	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, isoform 1	ATP5F1	2.16	<b>0.045</b>
H24650	laminin, gamma 1 (formerly LAMB2)	LAMC1	2.16	<b>0.036</b>
AI279977	LIM homeobox protein 6	LHX6	2.14	<b>0.010</b>
N20335	clathrin, light polypeptide (Lcb)	CLTB	2.13	<b>0.018</b>
AW004895	ESTs, Highly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens]	N/A	2.12	<b>0.047</b>
H73714	replication factor C (activator 1) 1 (145kD)	RFC1	2.12	<b>0.017</b>
N51280	ADP-ribosylation factor-like 1	ARL1	2.10	<b>0.027</b>
AA043466	molybdenum cofactor synthesis 2	MOCS2	2.10	<b>0.003</b>
AA775364	ESTs, Highly similar to S45004 ribosomal protein L30, cytosolic [H.sapiens]	N/A	2.09	<b>0.011</b>
N54372	NRAS-related gene	DTS155E	2.08	<b>0.018</b>
AA019203	high-mobility group (nonhistone chromosomal) protein 2	HMG2	2.08	<b>0.038</b>
AI934779	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2 (14.5kD, B14.5b)	NDUFC2	2.08	<b>0.027</b>
AA284329	glivoprotein M6B	GPMP6B	2.07	<b>0.045</b>
AI816969	extra spindle poles like 1 ( <i>S. cerevisiae</i> )	ESPL1	2.07	<b>0.014</b>
AA293365	mitogen-activated protein kinase kinase 4	MAP2K4	2.07	<b>0.019</b>
N72115	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	CDKN2C	2.07	<b>0.040</b>
AI217982	polycystic kidney disease 2-like 1	PKD2L1	2.06	<b>0.032</b>
AA291749	estrogen receptor 1	ESR1	2.05	<b>0.007</b>
AA040703	profilin 2	PFN2	2.04	<b>0.002</b>
N94372	SH3 protein interacting with Nek, 90 kDa	AF3P21	2.04	<b>0.049</b>
AA481026	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2	SMARCA2	2.02	<b>0.019</b>
H90431	adrenergic, beta-2-, receptor, surface	ADRB2	2.02	<b>0.020</b>
AI871665	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	ACAT1	2.02	<b>0.019</b>
AI681849	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl-galactosaminyltransferase 7 (GalNAc-T7)	GALNT7	2.02	<b>0.012</b>
AA485140	chromosome 20 open reading frame 6	C20orf6	2.02	<b>0.032</b>
W69211	small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin)	SCYA11	2.02	<b>0.027</b>
W94629	Homo sapiens cDNA FLJ11796 fis, clone HEMBA1006158, highly similar to Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene	N/A	2.01	<b>0.006</b>
AA424965	fatty-acid-Coenzyme A ligase, long-chain 3	FACL3	2.01	<b>0.000</b>
AA461467	ornithine decarboxylase 1	ODC1	2.01	<b>0.028</b>
AA598830	neuroblastoma, suppression of tumorigenicity 1	NBL1	0.50	<b>0.014</b>
AA663472	replication factor C (activator 1) 2 (40kD)	RFC2	0.49	<b>0.039</b>
T41177	N/A	N/A	0.46	<b>0.030</b>
AA446108	endoglin (Osler-Rendu-Weber syndrome 1)	ENG	0.46	<b>0.038</b>
AA143331	matrix metalloproteinase 1 (interstitial collagenase)	MMP1	0.45	<b>0.011</b>
H94469	hypothetical protein FLJ12549	FLJ12549	0.40	<b>0.018</b>