

Supplementary Materials

Chen et al

Supplementary Table 1:
RT-qPCR: primers and probes for selected transcripts.

RefSeq transcript ID	Gene symbol	Primer Sequence	Probe	Amplicon position
NM_004655	AXIN	gctgctgggtctccctacaact ggaccacagccattcaggaacta	ctgccccca	3735--3804
NM_014141	CNTNAP2	gcctacttgagaggaactccata gcaccattccaagtctcagtaat	tggtgtg	9490--9575
NM_001904	CTNNB1	ccactcccaccctaccaaccaa gaagtttaaaaagccagtttgggta	ctctgct	2631--2715
NM_012242	DKK1	gcagcacatagcgtgacgcatg ggacgcaggcgtgcaaatctgt	gcaggaag	461--538
NM_139072	DNER	ctccgccatgtgcccgactt cgcatggtgggtgggagcaaa	ccacctcc	1961--2034
NM_032048	EMILIN2	gccacagtgtgacctgcagt ggaggcaggggagagccggt	ggtggctg	3658--3715
NM_001453	FOXC1	gctccggacgtgcggtacaga gtgaacgggaatagtagctgtcaa	ctccagc	1567--1634
NM_000905	NPY	ggaaaaggccagagagcaagtct gtcccagaactcggctgaaga	tggtgatg	342--412
NM_181876	PPP2R2C	gaacgccgtacattcgagagta ggaaggaccagtgaatagtcaca	tggtctg	3731--3817
NM_002737	PRKCA	aaagcaatgcagtaattcacatcc gccattcaaccgtcaaacaccatt	cagaggag	8591--8661
NM_002942	ROBO2	agcttgcatagcaatgcacaaaaga caaaactcgcctacaggaagaaa	ctcctctg	5018--5089
NM_194435	VIP	atgttgcgatcatttccctcaagaa agaccttgagcaaagctgatga	ttcccagt	689--753

Supplementary Table 2: A vs. B comparison identifying 132 transcripts differentially expressed between A and B groups on the univariate test ($p < 0.001$). Sorted by p -value of the univariate test.

RefSeq transcript ID	Gene symbol	Entrez Gene name	Fold-change	Parametric p-value
NM_194435	VIP	Homo sapiens vasoactive intestinal peptide (VIP), transcript variant 2, mRNA.	-19.17	< 1e-07
NM_144594	GTSF1	Homo sapiens gametocyte specific factor 1 (GTSF1), mRNA.	15.14	< 1e-07
NM_014141	CNTNAP2	Homo sapiens contactin associated protein-like 2 (CNTNAP2), mRNA.	13.44	< 1e-07
NM_012242	DKK1	Homo sapiens dickkopf homolog 1 (Xenopus laevis) (DKK1), mRNA.	-14.76	< 1e-07
NM_024019	NEUROG2	Homo sapiens neurogenin 2 (NEUROG2), mRNA.	-18.39	< 1e-07
NM_020822	KCNT1	Homo sapiens potassium channel, subfamily T, member 1 (KCNT1), mRNA.	11.38	< 1e-07
NM_004617	TM4SF4	Homo sapiens transmembrane 4 L six family member 4 (TM4SF4), mRNA.	-8.39	< 1e-07
NM_000624	SERPINA5	Homo sapiens serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5 (SERPINA5), mRNA.	9.89	< 1e-07
NM_021048	MAGEA10	Homo sapiens melanoma antigen family A, 10 (MAGEA10), transcript variant 2, mRNA.	16.37	< 1e-07
NM_003598	TEAD2	Homo sapiens TEA domain family member 2 (TEAD2), mRNA.	-9.64	< 1e-07
NM_080390	TCEAL2	Homo sapiens transcription elongation factor A (SII)-like 2 (TCEAL2), mRNA.	7.28	< 1e-07
NM_000905	NPY	Homo sapiens neuropeptide Y (NPY), mRNA.	9.93	< 1e-07
NM_033258	GNG8	Homo sapiens guanine nucleotide binding protein (G protein), gamma 8 (GNG8), mRNA.	-7.66	< 1e-07
NM_005519	HMX2	Homo sapiens H6 family homeobox 2 (HMX2), mRNA.	-5.65	< 1e-07
NM_057159	LPAR1	Homo sapiens lysophosphatidic acid receptor 1 (LPAR1), transcript variant 2, mRNA.	-4.83	< 1e-07
NM_018354	C20orf46	Homo sapiens chromosome 20 open reading frame 46 (C20orf46), mRNA.	6.42	< 1e-07
NM_004192	ASMTL	Homo sapiens acetylserotonin O-methyltransferase-like (ASMTL), mRNA.	5.36	< 1e-07

NM_013364	PNMA3	Homo sapiens paraneoplastic antigen MA3 (PNMA3), mRNA.	5.68	< 1e-07
NM_020826	SYT13	Homo sapiens synaptotagmin XIII (SYT13), mRNA.	5.05	< 1e-07
NM_080760	DACH1	Homo sapiens dachshund homolog 1 (Drosophila) (DACH1), transcript variant 2, mRNA.	-6.57	< 1e-07
NM_207334	FAM43B	Homo sapiens family with sequence similarity 43, member B (FAM43B), mRNA.	4.99	< 1e-07
NM_005386	NNAT	Homo sapiens neuronatin (NNAT), transcript variant 1, mRNA.	-6.20	< 1e-07
NM_181876	PPP2R2C	Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform (PPP2R2C), transcript variant 2, mRNA.	5.33	< 1e-07
NM_001013653	LRRC26	Homo sapiens leucine rich repeat containing 26 (LRRC26), mRNA.	5.94	< 1e-07
NM_012202	GNG3	Homo sapiens guanine nucleotide binding protein (G protein), gamma 3 (GNG3), mRNA.	8.29	< 1e-07
NM_004192	ASMTL	Homo sapiens acetylserotonin O-methyltransferase-like (ASMTL), mRNA.	4.65	< 1e-07
NM_013322	SNX10	Homo sapiens sorting nexin 10 (SNX10), mRNA.	4.50	< 1e-07
NM_020775	KIAA1324	Homo sapiens KIAA1324 (KIAA1324), mRNA.	4.04	< 1e-07
NM_152780	MAP7D2	Homo sapiens MAP7 domain containing 2 (MAP7D2), mRNA.	4.19	< 1e-07
NM_001039582	PNCK	Homo sapiens pregnancy upregulated non-ubiquitously expressed CaM kinase (PNCK), mRNA.	4.46	< 1e-07
NM_133505	DCN	Homo sapiens decorin (DCN), transcript variant C, mRNA.	-4.18	< 1e-07
NM_001290	LDB2	Homo sapiens LIM domain binding 2 (LDB2), mRNA.	4.39	< 1e-07
NM_001001391	CD44	Homo sapiens CD44 molecule (Indian blood group) (CD44), transcript variant 4, mRNA.	-3.56	< 1e-07
NM_007374	SIX6	Homo sapiens SIX homeobox 6 (SIX6), mRNA.	5.08	< 1e-07
NM_181676	PPP2R2B	Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform (PPP2R2B), transcript variant 4, mRNA.	3.65	< 1e-07
NM_001099660	LRRN3	Homo sapiens leucine rich repeat neuronal 3 (LRRN3), transcript variant 1, mRNA.	-3.35	< 1e-07
NM_000598	IGFBP3	Homo sapiens insulin-like growth factor binding protein 3 (IGFBP3), transcript variant 2, mRNA.	-4.38	< 1e-07

AB073882	Hs.1832	Homo sapiens primary neuroblastoma cDNA, clone:Nbla00830, full insert sequence	3.89	< 1e-07
NM_007115	TNFAIP6	Homo sapiens tumor necrosis factor, alpha-induced protein 6 (TNFAIP6), mRNA.	-3.74	< 1e-07
NM_014550	CARD10	Homo sapiens caspase recruitment domain family, member 10 (CARD10), mRNA.	2.97	< 1e-07
NM_181689	NNAT	Homo sapiens neuronatin (NNAT), transcript variant 2, mRNA.	-5.74	< 1e-07
AK095715	Hs.155736	Homo sapiens cDNA FLJ38396 fis, clone FEBRA2007957	-3.75	< 1e-07
NM_003020	SCG5	Homo sapiens secretogranin V (7B2 protein) (SCG5), mRNA.	3.09	< 1e-07
NM_001453	FOXC1	Homo sapiens forkhead box C1 (FOXC1), mRNA.	-4.76	< 1e-07
NR_002784	SMEK3P	Homo sapiens SMEK homolog 3, suppressor of mek1 (Dictyostelium) pseudogene (SMEK3P) on chromosome X.	3.89	< 1e-07
NM_201630	LRRN2	Homo sapiens leucine rich repeat neuronal 2 (LRRN2), transcript variant 2, mRNA.	4.13	< 1e-07
NM_001430	EPAS1	Homo sapiens endothelial PAS domain protein 1 (EPAS1), mRNA.	-4.98	< 1e-07
CN304251	Hs.436189	17000532640995 GRN_ES Homo sapiens cDNA 5, mRNA sequence	4.88	< 1e-07
NM_139072	DNER	Homo sapiens delta/notch-like EGF repeat containing (DNER), mRNA.	3.87	< 1e-07
NM_152330	FRMD6	Homo sapiens FERM domain containing 6 (FRMD6), transcript variant 2, mRNA.	-3.29	< 1e-07
NM_172081	CAMK2B	Homo sapiens calcium/calmodulin-dependent protein kinase (CaM kinase) II beta (CAMK2B), transcript variant 5, mRNA.	3.52	< 1e-07
NM_032048	EMILIN2	Homo sapiens elastin microfibril interfacer 2 (EMILIN2), mRNA.	3.65	< 1e-07
NM_080415	4-Sep	Homo sapiens septin 4 (SEPT4), transcript variant 2, mRNA.	3.62	< 1e-07
NM_174947	C19orf30	Homo sapiens chromosome 19 open reading frame 30 (C19orf30), mRNA.	2.79	< 1e-07
NM_177526	PPAP2C	Homo sapiens phosphatidic acid phosphatase type 2C (PPAP2C), transcript variant 2, mRNA.	3.08	< 1e-07
NM_020223	FAM20C	Homo sapiens family with sequence similarity 20, member C (FAM20C), mRNA.	2.99	< 1e-07
CD678339	Hs.489857	hp06b06.y1 Human Trabecular meshwork cDNA: hohphq Homo sapiens cDNA clone hp06b06 5, mRNA sequence	-2.56	< 1e-07

<u>NM_020975</u>	<u>RET</u>	Homo sapiens ret proto-oncogene (RET), transcript variant 2, mRNA.	-2.86	< 1e-07
<u>XM_001133042</u>	<u>PDZRN3</u>	PREDICTED: Homo sapiens PDZ domain containing RING finger 3 (PDZRN3), mRNA.	-5.28	< 1e-07
<u>NM_012155</u>	<u>EML2</u>	Homo sapiens echinoderm microtubule associated protein like 2 (EML2), mRNA.	3.41	< 1e-07
<u>NM_002345</u>	<u>LUM</u>	Homo sapiens lumican (LUM), mRNA.	-2.94	< 1e-07
<u>NM_021170</u>	<u>HES4</u>	Homo sapiens hairy and enhancer of split 4 (Drosophila) (HES4), mRNA.	3.76	< 1e-07
<u>XM_001133042</u>	<u>PDZRN3</u>	PREDICTED: Homo sapiens PDZ domain containing RING finger 3 (PDZRN3), mRNA.	-5.69	< 1e-07
<u>NM_032229</u>	<u>SLITRK6</u>	Homo sapiens SLIT and NTRK-like family, member 6 (SLITRK6), mRNA.	-3.40	< 1e-07
<u>NM_002942</u>	<u>ROBO2</u>	Homo sapiens roundabout, axon guidance receptor, homolog 2 (Drosophila) (ROBO2), mRNA.	-4.66	< 1e-07
<u>BX537518</u>	<u>Hs.7023</u>	Homo sapiens mRNA; cDNA DKFZp686N1989 (from clone DKFZp686N1989)	3.05	< 1e-07
<u>NM_032594</u>	<u>INSM2</u>	Homo sapiens insulinoma-associated 2 (INSM2), mRNA.	-3.66	< 1e-07
<u>NM_000316</u>	<u>PTH1R</u>	Homo sapiens parathyroid hormone receptor 1 (PTH1R), mRNA.	3.19	< 1e-07
<u>BX100246</u>	<u>Hs.38132</u>	BX100246 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGp998N04398, mRNA sequence	-2.70	< 1e-07
<u>NM_017637</u>	<u>BNC2</u>	Homo sapiens basonuclein 2 (BNC2), mRNA.	-2.86	< 1e-07
<u>NM_145764</u>	<u>MGST1</u>	Homo sapiens microsomal glutathione S-transferase 1 (MGST1), transcript variant 1d, mRNA.	2.83	< 1e-07
<u>NM_002872</u>	<u>RAC2</u>	Homo sapiens ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2) (RAC2), mRNA.	2.83	< 1e-07
<u>NM_003283</u>	<u>TNNT1</u>	Homo sapiens troponin T type 1 (skeletal, slow) (TNNT1), mRNA.	3.62	< 1e-07
<u>NM_004100</u>	<u>EYA4</u>	Homo sapiens eyes absent homolog 4 (Drosophila) (EYA4), transcript variant 1, mRNA.	-3.26	< 1e-07
<u>NM_018962</u>	<u>DSCR6</u>	Homo sapiens Down syndrome critical region gene 6 (DSCR6), mRNA.	3.51	< 1e-07
<u>NM_194439</u>	<u>RNF212</u>	Homo sapiens ring finger protein 212 (RNF212), mRNA.	3.33	< 1e-07
<u>NM_032808</u>	<u>LINGO1</u>	Homo sapiens leucine rich repeat and Ig domain containing 1 (LINGO1), mRNA.	2.99	< 1e-07
<u>NM_174941</u>	<u>CD163L1</u>	Homo sapiens CD163 molecule-like 1 (CD163L1), mRNA.	3.10	< 1e-07

NM_015557	CHD5	Homo sapiens chromodomain helicase DNA binding protein 5 (CHD5), mRNA.	3.33	< 1e-07
NM_173662	RNF175	Homo sapiens ring finger protein 175 (RNF175), mRNA.	4.03	< 1e-07
NM_000419	ITGA2B	Homo sapiens integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41) (ITGA2B), mRNA.	2.75	< 1e-07
NM_182801	EGFLAM	Homo sapiens EGF-like, fibronectin type III and laminin G domains (EGFLAM), transcript variant 4, mRNA.	2.39	< 1e-07
NM_033504	TMEM54	Homo sapiens transmembrane protein 54 (TMEM54), mRNA.	2.90	< 1e-07
NM_004431	EPHA2	Homo sapiens EPH receptor A2 (EPHA2), mRNA.	3.09	< 1e-07
NM_020630	RET	Homo sapiens ret proto-oncogene (RET), transcript variant 4, mRNA.	-2.69	< 1e-07
NM_001946	DUSP6	Homo sapiens dual specificity phosphatase 6 (DUSP6), transcript variant 1, mRNA.	-2.51	< 1e-07
NM_000728	CALCB	Homo sapiens calcitonin-related polypeptide beta (CALCB), mRNA.	2.49	< 1e-07
NM_014817	KIAA0644	Homo sapiens KIAA0644 gene product (KIAA0644), mRNA.	-3.33	< 1e-07
NM_001769	CD9	Homo sapiens CD9 molecule (CD9), mRNA.	-2.94	< 1e-07
NM_144967	FLJ30058	Homo sapiens hypothetical protein FLJ30058 (FLJ30058), mRNA.	-2.13	< 1e-07
NM_004864	GDF15	Homo sapiens growth differentiation factor 15 (GDF15), mRNA.	2.61	< 1e-07
NM_006017	PROM1	Homo sapiens prominin 1 (PROM1), mRNA.	-2.21	< 1e-07
NM_183337	RGS11	Homo sapiens regulator of G-protein signaling 11 (RGS11), transcript variant 1, mRNA.	4.30	< 1e-07
NM_000582	SPP1	Homo sapiens secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1) (SPP1), transcript variant 2, mRNA.	-2.22	< 1e-07
NM_002166	ID2	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA.	-2.81	< 1e-07
NR_002196	H19	Homo sapiens H19, imprinted maternally expressed transcript (H19) on chromosome 11.	-2.96	< 1e-07
NM_020975	RET	Homo sapiens ret proto-oncogene (RET), transcript variant 2, mRNA.	-2.36	< 1e-07
XM_001132569	LOC730130	PREDICTED: Homo sapiens hypothetical protein LOC730130 (LOC730130), mRNA.	-2.38	< 1e-07
NM_018027	FRMD4A	Homo sapiens FERM domain containing 4A (FRMD4A), mRNA.	2.33	< 1e-07

NM_001458	FLNC	Homo sapiens filamin C, gamma (actin binding protein 280) (FLNC), mRNA.	2.61	< 1e-07
NM_002930	RIT2	Homo sapiens Ras-like without CAAX 2 (RIT2), mRNA.	2.32	< 1e-07
NM_014220	TM4SF1	Homo sapiens transmembrane 4 L six family member 1 (TM4SF1), mRNA.	-2.15	< 1e-07
NM_207336	ZNF467	Homo sapiens zinc finger protein 467 (ZNF467), mRNA.	2.50	< 1e-07
NM_002224	ITPR3	Homo sapiens inositol 1,4,5-triphosphate receptor, type 3 (ITPR3), mRNA.	2.76	< 1e-07
NM_023940	RASL11B	Homo sapiens RAS-like, family 11, member B (RASL11B), mRNA.	-2.14	< 1e-07
NM_003619	PRSS12	Homo sapiens protease, serine, 12 (neurotrypsin, motopsin) (PRSS12), mRNA.	-2.63	< 1e-07
NM_001613	ACTA2	Homo sapiens actin, alpha 2, smooth muscle, aorta (ACTA2), mRNA.	2.59	< 1e-07
NM_020116	FSTL5	Homo sapiens follistatin-like 5 (FSTL5), mRNA.	2.41	< 1e-07
NM_002148	HOXD10	Homo sapiens homeobox D10 (HOXD10), mRNA.	-1.89	< 1e-07
NM_018286	TMEM100	Homo sapiens transmembrane protein 100 (TMEM100), transcript variant 2, mRNA.	-1.78	< 1e-07
XM_939093	FAM89A	PREDICTED: Homo sapiens family with sequence similarity 89, member A (FAM89A), mRNA.	1.88	< 1e-07
NM_022450	RHBDF1	Homo sapiens rhomboid 5 homolog 1 (Drosophila) (RHBDF1), mRNA.	2.07	< 1e-07
NM_002334	LRP4	Homo sapiens low density lipoprotein receptor-related protein 4 (LRP4), mRNA.	-1.85	< 1e-07
NM_000787	DBH	Homo sapiens dopamine beta-hydroxylase (dopamine beta-monooxygenase) (DBH), mRNA.	-2.45	< 1e-07
NR_003512	INS-IGF2	Homo sapiens INS-IGF2 (INS-IGF2), transcript variant 1, transcribed RNA.	-2.17	< 1e-07
NM_001001995	GPM6B	Homo sapiens glycoprotein M6B (GPM6B), transcript variant 1, mRNA.	-1.70	< 1e-07
NM_002737	PRKCA	Homo sapiens protein kinase C, alpha (PRKCA), mRNA.	-1.89	< 1e-07
NM_020851	ISLR2	Homo sapiens immunoglobulin superfamily containing leucine-rich repeat 2 (ISLR2), mRNA.	-1.87	< 1e-07
NM_001915	CYB561	Homo sapiens cytochrome b-561 (CYB561), transcript variant 1, mRNA.	1.52	< 1e-07
NM_006157	NELL1	Homo sapiens NEL-like 1 (chicken) (NELL1), mRNA.	1.44	< 1e-07

<u>NM_002213</u>	<u>ITGB5</u>	Homo sapiens integrin, beta 5 (ITGB5), mRNA. XM_944688 XM_944693	-1.38	< 1e-07
<u>NM_000685</u>	<u>AGTR1</u>	Homo sapiens angiotensin II receptor, type 1 (AGTR1), transcript variant 1, mRNA.	-1.34	< 1e-07
<u>NM_130467</u>	<u>PAGE5</u>	Homo sapiens P antigen family, member 5 (prostate associated) (PAGE5), transcript variant 1, mRNA.	1.36	< 1e-07
<u>NR_003655</u>	<u>POLR2J4</u>	Homo sapiens polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa pseudogene (POLR2J4) on chromosome 7.	-2.86	< 1e-07
<u>NM_001001995</u>	<u>GPM6B</u>	Homo sapiens glycoprotein M6B (GPM6B), transcript variant 1, mRNA.	-1.31	1.00E-07
<u>NM_001387</u>	<u>DPYSL3</u>	Homo sapiens dihydropyrimidinase-like 3 (DPYSL3), mRNA.	-1.33	1.00E-07
<u>NM_005627</u>	<u>SGK</u>	Homo sapiens serum/glucocorticoid regulated kinase (SGK), mRNA.	1.27	1.00E-06
<u>NM_003918</u>	<u>GYG2</u>	Homo sapiens glycogenin 2 (GYG2), transcript variant 2, mRNA.	-1.24	6.70E-06
<u>NM_002414</u>	<u>CD99</u>	Homo sapiens CD99 molecule (CD99), transcript variant 1, mRNA.	-1.21	2.87E-05
<u>NM_001475</u>	<u>GAGE5</u>	Homo sapiens G antigen 5 (GAGE5), mRNA.	-1.14	0.0002161
<u>NM_001475</u>	<u>GAGE5</u>	Homo sapiens G antigen 5 (GAGE5), mRNA.	-1.15	0.0007225
<u>NM_003053</u>	<u>SLC18A1</u>	Homo sapiens solute carrier family 18 (vesicular monoamine), member 1 (SLC18A1), mRNA.	-1.18	0.0009372

Supplementary Table 3: C vs. D comparison identifying 112 transcripts differentially expressed between C and D groups on the univariate test ($p < 0.001$). Sorted by p -value of the univariate test.

RefSeq transcript ID	Gene symbol	Entrez Gene name	Fold-change	Parametric p-value
NM_021048	MAGEA10	Homo sapiens melanoma antigen family A, 10 (MAGEA10), transcript variant 2, mRNA.	15.05	< 1e-07
NM_130467	PAGE5	Homo sapiens P antigen family, member 5 (prostate associated) (PAGE5), transcript variant 1, mRNA.	11.92	< 1e-07
NM_144594	GTSF1	Homo sapiens gametocyte specific factor 1 (GTSF1), mRNA.	15.35	< 1e-07
NM_003598	TEAD2	Homo sapiens TEA domain family member 2 (TEAD2), mRNA.	6.74	< 1e-07
NM_000905	NPY	Homo sapiens neuropeptide Y (NPY), mRNA.	15.57	< 1e-07
NM_002414	CD99	Homo sapiens CD99 molecule (CD99), transcript variant 1, mRNA.	10.41	< 1e-07
NM_001001995	GPM6B	Homo sapiens glycoprotein M6B (GPM6B), transcript variant 1, mRNA.	-3.73	< 1e-07
NM_032048	EMILIN2	Homo sapiens elastin microfibril interfacier 2 (EMILIN2), mRNA.	4.52	< 1e-07
NM_006157	NELL1	Homo sapiens NEL-like 1 (chicken) (NELL1), mRNA.	3.43	< 1e-07
NM_174941	CD163L1	Homo sapiens CD163 molecule-like 1 (CD163L1), mRNA.	4.07	< 1e-07
NM_002148	HOXD10	Homo sapiens homeobox D10 (HOXD10), mRNA.	-5.71	< 1e-07
NM_005519	HMX2	Homo sapiens H6 family homeobox 2 (HMX2), mRNA.	-4.28	< 1e-07
NM_194435	VIP	Homo sapiens vasoactive intestinal peptide (VIP), transcript variant 2, mRNA.	-5.24	< 1e-07
NM_001387	DPYSL3	Homo sapiens dihydropyrimidinase-like 3 (DPYSL3), mRNA.	3.14	< 1e-07
NM_207334	FAM43B	Homo sapiens family with sequence similarity 43, member B (FAM43B), mRNA.	3.52	< 1e-07
NM_018027	FRMD4A	Homo sapiens FERM domain containing 4A (FRMD4A), mRNA.	3.28	< 1e-07
NM_018286	TMEM100	Homo sapiens transmembrane protein 100 (TMEM100), transcript variant 2, mRNA.	-2.89	< 1e-07
NR_002784	SMEK3P	Homo sapiens SMEK homolog 3, suppressor of mek1 (Dictyostelium) pseudogene (SMEK3P) on chromosome X.	4.32	< 1e-07
NM_144967	FLJ30058	Homo sapiens hypothetical protein FLJ30058 (FLJ30058), mRNA.	4.49	< 1e-07
NM_000685	AGTR1	Homo sapiens angiotensin II receptor, type 1 (AGTR1), transcript variant 1, mRNA.	3.26	< 1e-07
NM_003918	GYG2	Homo sapiens glycogenin 2 (GYG2), transcript variant 2, mRNA.	3.05	< 1e-07
NM_005627	SGK	Homo sapiens serum/glucocorticoid regulated kinase (SGK), mRNA.	3.41	< 1e-07

XM_938742	SGPP2	PREDICTED: Homo sapiens sphingosine-1-phosphate phosphatase 2 (SGPP2), mRNA.	-3.13	< 1e-07
NM_000624	SERPINA5	Homo sapiens serpin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 5 (SERPINA5), mRNA.	3.90	< 1e-07
NR_002196	H19	Homo sapiens H19, imprinted maternally expressed transcript (H19) on chromosome 11.	3.17	< 1e-07
NM_001001995	GPM6B	Homo sapiens glycoprotein M6B (GPM6B), transcript variant 1, mRNA.	-3.49	< 1e-07
NM_001769	CD9	Homo sapiens CD9 molecule (CD9), mRNA.	-4.09	< 1e-07
XM_001133042	PDZRN3	PREDICTED: Homo sapiens PDZ domain containing RING finger 3 (PDZRN3), mRNA.	-4.01	< 1e-07
NM_001031733	CALML4	Homo sapiens calmodulin-like 4 (CALML4), transcript variant 2, mRNA.	-2.14	< 1e-07
NM_003053	SLC18A1	Homo sapiens solute carrier family 18 (vesicular monoamine), member 1 (SLC18A1), mRNA.	2.89	< 1e-07
NM_014141	CNTNAP2	Homo sapiens contactin associated protein-like 2 (CNTNAP2), mRNA.	2.38	< 1e-07
NM_001915	CYB561	Homo sapiens cytochrome b-561 (CYB561), transcript variant 1, mRNA.	2.83	< 1e-07
NM_001453	FOXC1	Homo sapiens forkhead box C1 (FOXC1), mRNA.	-2.18	< 1e-07
NM_002942	ROBO2	Homo sapiens roundabout, axon guidance receptor, homolog 2 (Drosophila) (ROBO2), mRNA.	-5.85	< 1e-07
NM_001290	LDB2	Homo sapiens LIM domain binding 2 (LDB2), mRNA.	2.13	< 1e-07
NM_002213	ITGB5	Homo sapiens integrin, beta 5 (ITGB5), mRNA. XM_944688 XM_944693	2.11	< 1e-07
NM_007115	TNFAIP6	Homo sapiens tumor necrosis factor, alpha-induced protein 6 (TNFAIP6), mRNA.	-3.93	< 1e-07
NM_002166	ID2	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA.	3.38	< 1e-07
NM_001458	FLNC	Homo sapiens filamin C, gamma (actin binding protein 280) (FLNC), mRNA.	-2.87	< 1e-07
NM_020851	ISLR2	Homo sapiens immunoglobulin superfamily containing leucine-rich repeat 2 (ISLR2), mRNA.	2.43	< 1e-07
NM_001476	GAGE6	Homo sapiens G antigen 6 (GAGE6), mRNA.	-2.27	< 1e-07
XM_001133042	PDZRN3	PREDICTED: Homo sapiens PDZ domain containing RING finger 3 (PDZRN3), mRNA.	-4.50	< 1e-07
NM_002737	PRKCA	Homo sapiens protein kinase C, alpha (PRKCA), mRNA.	-2.89	< 1e-07
NM_139072	DNER	Homo sapiens delta/notch-like EGF repeat containing (DNER), mRNA.	2.40	< 1e-07
NM_001474	GAGE4	Homo sapiens G antigen 4 (GAGE4), mRNA.	-2.40	< 1e-07
AB073882	Hs.1832	Homo sapiens primary neuroblastoma cDNA, clone:Nbla00830, full insert sequence	3.08	< 1e-07
NM_002334	LRP4	Homo sapiens low density lipoprotein receptor-related protein 4 (LRP4), mRNA.	-2.21	< 1e-07
NM_006528	TFPI2	Homo sapiens tissue factor pathway inhibitor 2 (TFPI2), mRNA.	3.32	< 1e-07

NM_080760	DACH1	Homo sapiens dachshund homolog 1 (Drosophila) (DACH1), transcript variant 2, mRNA.	-2.38	< 1e-07
NM_001013653	LRRC26	Homo sapiens leucine rich repeat containing 26 (LRRC26), mRNA.	2.46	< 1e-07
NM_001475	GAGE5	Homo sapiens G antigen 5 (GAGE5), mRNA.	-2.34	< 1e-07
NM_013364	PNMA3	Homo sapiens paraneoplastic antigen MA3 (PNMA3), mRNA.	2.55	< 1e-07
NR_003512	INS-IGF2	Homo sapiens INS-IGF2 (INS-IGF2), transcript variant 1, transcribed RNA.	4.07	< 1e-07
NM_003020	SCG5	Homo sapiens secretogranin V (7B2 protein) (SCG5), mRNA.	1.99	< 1e-07
NM_012242	DKK1	Homo sapiens dickkopf homolog 1 (Xenopus laevis) (DKK1), mRNA.	-2.01	< 1e-07
NM_033258	GNG8	Homo sapiens guanine nucleotide binding protein (G protein), gamma 8 (GNG8), mRNA.	-2.10	< 1e-07
NM_017637	BNC2	Homo sapiens basoonuclin 2 (BNC2), mRNA.	-2.03	< 1e-07
NM_001098409	GAGE12G	Homo sapiens G antigen 12G (GAGE12G), mRNA.	-2.33	< 1e-07
NM_201630	LRRN2	Homo sapiens leucine rich repeat neuronal 2 (LRRN2), transcript variant 2, mRNA.	1.95	< 1e-07
NM_004100	EYA4	Homo sapiens eyes absent homolog 4 (Drosophila) (EYA4), transcript variant 1, mRNA.	-1.81	< 1e-07
AK095715	Hs.155736	Homo sapiens cDNA FLJ38396 fis, clone FEBRA2007957	2.05	< 1e-07
NM_013322	SNX10	Homo sapiens sorting nexin 10 (SNX10), mRNA.	1.95	< 1e-07
NM_024019	NEUROG2	Homo sapiens neurogenin 2 (NEUROG2), mRNA.	2.37	< 1e-07
NM_001475	GAGE5	Homo sapiens G antigen 5 (GAGE5), mRNA.	-2.34	< 1e-07
NM_001477	GAGE12I	Homo sapiens G antigen 12I (GAGE12I), mRNA.	-2.24	< 1e-07
NM_020826	SYT13	Homo sapiens synaptotagmin XIII (SYT13), mRNA.	1.73	< 1e-07
NM_152330	FRMD6	Homo sapiens FERM domain containing 6 (FRMD6), transcript variant 2, mRNA.	-1.73	< 1e-07
NM_173662	RNF175	Homo sapiens ring finger protein 175 (RNF175), mRNA.	1.92	< 1e-07
NM_001098411	LOC645037	Homo sapiens similar to GAGE-2 protein (G antigen 2) (LOC645037), mRNA.	-2.17	< 1e-07
NM_001430	EPAS1	Homo sapiens endothelial PAS domain protein 1 (EPAS1), mRNA.	1.70	< 1e-07
NM_020975	RET	Homo sapiens ret proto-oncogene (RET), transcript variant 2, mRNA.	-1.81	< 1e-07
NM_057159	LPAR1	Homo sapiens lysophosphatidic acid receptor 1 (LPAR1), transcript variant 2, mRNA.	-1.76	< 1e-07
NM_018962	DSCR6	Homo sapiens Down syndrome critical region gene 6 (DSCR6), mRNA.	1.56	< 1e-07
NM_001039582	PNCK	Homo sapiens pregnancy upregulated non-ubiquitously expressed CaM kinase (PNCK), mRNA.	1.62	< 1e-07
NM_182801	EGFLAM	Homo sapiens EGF-like, fibronectin type III and laminin G domains (EGFLAM), transcript variant 4, mRNA.	1.55	< 1e-07

<u>NM_182898</u>	<u>CREB5</u>	Homo sapiens cAMP responsive element binding protein 5 (CREB5), transcript variant 1, mRNA.	-2.05	< 1e-07
<u>BX537518</u>	<u>Hs.7023</u>	Homo sapiens mRNA; cDNA DKFZp686N1989 (from clone DKFZp686N1989)	1.85	< 1e-07
<u>NM_002872</u>	<u>RAC2</u>	Homo sapiens ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2) (RAC2), mRNA.	1.43	< 1e-07
<u>NM_181876</u>	<u>PPP2R2C</u>	Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform (PPP2R2C), transcript variant 2, mRNA.	1.62	< 1e-07
<u>NM_001613</u>	<u>ACTA2</u>	Homo sapiens actin, alpha 2, smooth muscle, aorta (ACTA2), mRNA.	1.59	< 1e-07
<u>NM_000419</u>	<u>ITGA2B</u>	Homo sapiens integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41) (ITGA2B), mRNA.	-1.54	< 1e-07
<u>NM_000598</u>	<u>IGFBP3</u>	Homo sapiens insulin-like growth factor binding protein 3 (IGFBP3), transcript variant 2, mRNA.	1.43	1.00E-07
<u>NM_003283</u>	<u>TNNT1</u>	Homo sapiens troponin T type 1 (skeletal, slow) (TNNT1), mRNA.	1.72	1.00E-07
<u>NM_014817</u>	<u>KIAA0644</u>	Homo sapiens KIAA0644 gene product (KIAA0644), mRNA.	-1.45	1.00E-07
<u>XM_001132569</u>	<u>LOC730130</u>	PREDICTED: Homo sapiens hypothetical protein LOC730130 (LOC730130), mRNA.	1.39	1.00E-07
<u>NM_080415</u>	<u>4-Sep</u>	Homo sapiens septin 4 (SEPT4), transcript variant 2, mRNA.	-1.47	2.00E-07
<u>NM_001946</u>	<u>DUSP6</u>	Homo sapiens dual specificity phosphatase 6 (DUSP6), transcript variant 1, mRNA.	-1.43	2.00E-07
<u>CD678339</u>	<u>Hs.489857</u>	hp06b06.y1 Human Trabecular meshwork cDNA: hohphq Homo sapiens cDNA clone hp06b06 5, mRNA sequence	1.38	2.00E-07
<u>NM_080390</u>	<u>TCEAL2</u>	Homo sapiens transcription elongation factor A (SII)-like 2 (TCEAL2), mRNA.	1.38	5.00E-07
<u>NM_002224</u>	<u>ITPR3</u>	Homo sapiens inositol 1,4,5-triphosphate receptor, type 3 (ITPR3), mRNA.	-1.57	6.00E-07
<u>NM_145764</u>	<u>MGST1</u>	Homo sapiens microsomal glutathione S-transferase 1 (MGST1), transcript variant 1d, mRNA.	1.48	6.00E-07
<u>NM_003619</u>	<u>PRSS12</u>	Homo sapiens protease, serine, 12 (neurotrypsin, motopsin) (PRSS12), mRNA.	-1.41	7.00E-07
<u>NM_000728</u>	<u>CALCB</u>	Homo sapiens calcitonin-related polypeptide beta (CALCB), mRNA.	-1.49	7.00E-07
<u>NR_003655</u>	<u>POLR2J4</u>	Homo sapiens polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa pseudogene (POLR2J4) on chromosome 7.	3.12	2.00E-06
<u>NM_020630</u>	<u>RET</u>	Homo sapiens ret proto-oncogene (RET), transcript variant 4, mRNA.	-1.20	2.40E-06
<u>NM_007374</u>	<u>SIX6</u>	Homo sapiens SIX homeobox 6 (SIX6), mRNA.	1.39	5.40E-06
<u>NM_020775</u>	<u>KIAA1324</u>	Homo sapiens KIAA1324 (KIAA1324), mRNA.	1.30	1.81E-05
<u>NM_181676</u>	<u>PPP2R2B</u>	Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform (PPP2R2B), transcript variant 4, mRNA.	1.29	1.93E-05

<u>NM_181689</u>	<u>NNAT</u>	Homo sapiens neuronatin (NNAT), transcript variant 2, mRNA.	1.24	1.98E-05
<u>NM_018354</u>	<u>C20orf46</u>	Homo sapiens chromosome 20 open reading frame 46 (C20orf46), mRNA.	-1.30	2.11E-05
<u>NM_032594</u>	<u>INSM2</u>	Homo sapiens insulinoma-associated 2 (INSM2), mRNA.	1.27	2.92E-05
<u>BX100246</u>	<u>Hs.38132</u>	BX100246 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGp998N04398, mRNA sequence	-1.28	3.15E-05
<u>NM_032229</u>	<u>SLITRK6</u>	Homo sapiens SLIT and NTRK-like family, member 6 (SLITRK6), mRNA.	1.34	6.57E-05
<u>NM_002345</u>	<u>LUM</u>	Homo sapiens lumican (LUM), mRNA.	-1.27	6.91E-05
<u>NM_005386</u>	<u>NNAT</u>	Homo sapiens neuronatin (NNAT), transcript variant 1, mRNA.	1.32	7.79E-05
<u>NM_174947</u>	<u>C19orf30</u>	Homo sapiens chromosome 19 open reading frame 30 (C19orf30), mRNA.	-1.33	0.0001026
<u>NM_033504</u>	<u>TMEM54</u>	Homo sapiens transmembrane protein 54 (TMEM54), mRNA.	-1.29	0.0001243
<u>NM_006017</u>	<u>PROM1</u>	Homo sapiens prominin 1 (PROM1), mRNA.	-1.24	0.0001516
<u>NM_000787</u>	<u>DBH</u>	Homo sapiens dopamine beta-hydroxylase (dopamine beta-monoxygenase) (DBH), mRNA.	1.42	0.000189
<u>NM_032808</u>	<u>LINGO1</u>	Homo sapiens leucine rich repeat and Ig domain containing 1 (LINGO1), mRNA.	-1.19	0.0002893
<u>NM_020975</u>	<u>RET</u>	Homo sapiens ret proto-oncogene (RET), transcript variant 2, mRNA.	-1.43	0.000377
<u>XM_939093</u>	<u>FAM89A</u>	PREDICTED: Homo sapiens family with sequence similarity 89, member A (FAM89A), mRNA.	1.31	0.0004038