

**Supplementary material to:**

**Original article:**

**COMMON DIFFERENTIALLY EXPRESSED GENES AND PATHWAYS  
CORRELATING BOTH CORONARY ARTERY DISEASE AND  
ATRIAL FIBRILLATION**

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**Supplemental Table 3:** DEGs in GSE31821 dataset. Up- and down-regulated genes are on page S1-S11 and page S11-S13, respectively.

293 up-regulated genes				
ID	p value	logFC	Gene symbol	Gene title
212922_s_at	0.0022946	3.71	SMYD2	SET and MYND domain containing 2
203872_at	0.0000227	3.43	ACTA1	Actin, alpha 1, skeletal muscle
219789_at	0.0020168	3.4	NPR3	Natriuretic peptide receptor 3
203400_s_at	0.0441469	2.86	TF	Transferrin
219054_at	0.0016136	2.84	NPR3	Natriuretic peptide receptor 3
203032_s_at	0.0193009	2.66	FH	Fumarate hydratase
200831_s_at	0.0383017	2.44	SCD	Stearoyl-coa desaturase
215646_s_at	0.0341907	2.43	VCAN	Versican
201694_s_at	0.0376352	2.39	EGR1	Early growth response 1
214414_x_at	0.0491523	2.37	HBA2///HBA1	Hemoglobin subunit alpha 2///hemoglobin subunit alpha 1
227404_s_at	0.0290381	2.34	EGR1	Early growth response 1
205842_s_at	0.0006616	2.26	JAK2	Janus kinase 2
235978_at	0.0361347	2.26	FABP4	Fatty acid binding protein 4

211745_x_at	0.041438	2.25	HBA2///HBA1	Hemoglobin subunit alpha 2///hemoglobin subunit alpha 1
203434_s_at	0.0127464	2.24	MME	Membrane metallo-endopeptidase
1557910_at	0.0124068	2.23	HSP90AB1	Heat shock protein 90 alpha family class B member 1
217414_x_at	0.0439746	2.23	HBA2///HBA1	Hemoglobin subunit alpha 2///hemoglobin subunit alpha 1
221211_s_at	0.0360466	2.18	MAP3K7CL	MAP3K7 C-terminal like
1554333_at	0.01725	2.17	DNAJA4	Dnaj heat shock protein family (Hsp40) member A4
201539_s_at	0.0149806	2.12	FHL1	Four and a half LIM domains 1
209728_at	0.0236568	2.12	HLA-DRB4	Major histocompatibility complex, class II, DR beta 4
225207_at	0.0322758	2.06	PDK4	Pyruvate dehydrogenase kinase 4
225424_at	0.0402638	2.06	GPAM	Glycerol-3-phosphate acyltransferase, mitochondrial
210764_s_at	0.012417	2.03	CYR61	Cysteine rich angiogenic inducer 61
221232_s_at	0.0089973	2.02	ANKRD2	Ankyrin repeat domain 2
1558093_s_at	0.0042892	2.01	SNHG4///MATR3	Small nucleolar RNA host gene 4///matrin 3
1553530_a_at	0.0148517	2.01	ITGB1	Integrin subunit beta 1
200806_s_at	0.0313805	2	HSPD1	Heat shock protein family D (Hsp60) member 1
202949_s_at	0.0114128	1.99	FHL2	Four and a half LIM domains 2
201852_x_at	0.0058313	1.97	COL3A1	Collagen type III alpha 1 chain
212190_at	0.0435009	1.94	SERPINE2	Serpin family E member 2
205841_at	0.0031606	1.91	JAK2	Janus kinase 2
203980_at	0.0071416	1.91	FABP4	Fatty acid binding protein 4
229128_s_at	0.0330387	1.89	ANP32E	Acidic nuclear phosphoprotein 32 family member E
228834_at	0.0365102	1.89	TOB1	Transducer of ERBB2, 1
205174_s_at	0.0244375	1.88	QPCT	Glutaminyl-peptide cyclotransferase
209458_x_at	0.0251628	1.87	HBA2///HBA1	Hemoglobin subunit alpha 2///hemoglobin subunit alpha 1
211708_s_at	0.019395	1.86	SCD	Stearoyl-coa desaturase
209896_s_at	0.0074092	1.84	PTPN11	Protein tyrosine phosphatase, non-receptor type 11
205984_at	0.0382338	1.83	CRHBP	Corticotropin releasing hormone binding protein
211699_x_at	0.016646	1.82	HBA2///HBA1	Hemoglobin subunit alpha 2///hemoglobin subunit alpha 1
210298_x_at	0.0215877	1.8	FHL1	Four and a half LIM domains 1
204507_s_at	0.019323	1.79	PPP3R1	Protein phosphatase 3 regulatory subunit B, alpha
203441_s_at	0.0058951	1.77	CDH2	Cadherin 2
216591_s_at	0.0269054	1.77	SDHC	Succinate dehydrogenase complex subunit C
211571_s_at	0.0492984	1.77	VCAN	Versican

<b>225062_at</b>	0.0352272	1.75	LOC102724951///LOC389831	Uncharacterized LOC102724951///uncharacterized LOC389831
<b>210875_s_at</b>	0.012347	1.71	ZEB1	Zinc finger E-box binding homeobox 1
<b>202464_s_at</b>	0.0331309	1.71	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
<b>201043_s_at</b>	0.0046583	1.68	ANP32A	Acidic nuclear phosphoprotein 32 family member A
<b>216178_x_at</b>	0.0163979	1.68	ITGB1	Integrin subunit beta 1
<b>222847_s_at</b>	0.0003567	1.67	EGLN3	Egl-9 family hypoxia inducible factor 3
<b>219873_at</b>	0.0000116	1.66	COLEC11	Collectin subfamily member 11
<b>243278_at</b>	0.0033824	1.66	FOXP2	Forkhead box P2
<b>206544_x_at</b>	0.044689	1.66	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
<b>209098_s_at</b>	0.007034	1.65	JAG1	Jagged 1
<b>227719_at</b>	0.0123784	1.65	SMAD9	SMAD family member 9
<b>214505_s_at</b>	0.0168999	1.65	FHL1	Four and a half LIM domains 1
<b>1557167_at</b>	0.0426313	1.65	HCG11	HLA complex group 11 (non-protein coding)
<b>204018_x_at</b>	0.0198528	1.64	HBA2///HBA1	Hemoglobin subunit alpha 2///hemoglobin subunit alpha 1
<b>213994_s_at</b>	0.0014241	1.63	SPON1	Spondin 1
<b>210338_s_at</b>	0.0052762	1.63	SNORD14D///SNORD14C///HSPA8	Small nucleolar RNA, C/D box 14D///small nucleolar RNA, C/D box 14C///heat shock protein family A (Hsp70) member 8
<b>214545_s_at</b>	0.0159598	1.63	PROSC	Proline synthetase cotranscribed homolog (bacterial)
<b>214040_s_at</b>	0.0310885	1.63	GSN	Gelsolin
<b>202566_s_at</b>	0.0062822	1.61	SVIL	Supervillin
<b>223341_s_at</b>	0.0083186	1.6	SCOC	Short coiled-coil protein
<b>204932_at</b>	0.0290526	1.6	TNFRSF11B	TNF receptor superfamily member 11b
<b>224582_s_at</b>	0.0452989	1.6	NUCKS1	Nuclear casein kinase and cyclin dependent kinase substrate 1
<b>200751_s_at</b>	0.0052483	1.59	HNRNPC	Heterogeneous nuclear ribonucleoprotein C (C1/C2)
<b>210299_s_at</b>	0.0145718	1.59	FHL1	Four and a half LIM domains 1
<b>212944_at</b>	0.0206235	1.59	SLC5A3	Solute carrier family 5 member 3
<b>215714_s_at</b>	0.0305269	1.59	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
<b>1560169_at</b>	0.0347219	1.59	LOC101927069	Uncharacterized LOC101927069
<b>213993_at</b>	0.0013132	1.58	SPON1	Spondin 1
<b>203811_s_at</b>	0.0194899	1.58	DNAJB4	Dnaj heat shock protein family (Hsp40) member B4

219790_s_at	0.0033515	1.57	NPR3	Natriuretic peptide receptor 3
207069_s_at	0.0075751	1.56	SMAD6	SMAD family member 6
216521_s_at	0.018236	1.56	BRCC3	BRCA1/BRCA2-containing complex subunit 3
228284_at	0.0087725	1.55	TLE1	Transducin like enhancer of split 1
204933_s_at	0.0091648	1.55	TNFRSF11B	TNF receptor superfamily member 11b
219929_s_at	0.0368766	1.55	ZFYVE21	Zinc finger FYVE-type containing 21
209257_s_at	0.0134086	1.54	SMC3	Structural maintenance of chromosomes 3
226069_at	0.0282802	1.54	PRICKLE1	Prickle planar cell polarity protein 1
211966_at	0.0178911	1.53	COL4A2	Collagen type IV alpha 2 chain
215780_s_at	0.0111222	1.52	SETSIP///SETP4///SET	SET-like protein///SET pseudogene 4///SET nuclear proto-oncogene
202742_s_at	0.0188211	1.52	PRKACB	Protein kinase camp-activated catalytic subunit beta
228425_at	0.003854	1.51	PAX8-AS1	PAX8 antisense RNA 1
231918_s_at	0.0064345	1.51	GFM2	G elongation factor mitochondrial 2
216733_s_at	0.0237287	1.51	GATM	Glycine amidinotransferase
244287_at	0.0092546	1.5	SREK1	Splicing regulatory glutamic acid and lysine rich protein 1
212218_s_at	0.0443936	1.5	FASN	Fatty acid synthase
233496_s_at	0.0002775	1.49	CFL2	Cofilin 2
203548_s_at	0.0003454	1.49	LPL	Lipoprotein lipase
219326_s_at	0.0004097	1.49	B3GNT2	UDP-glcnac:betagal beta-1,3-N-acetylglucosaminyltransferase 2
1555814_a_at	0.0332349	1.49	RHOA	Ras homolog family member A
207332_s_at	0.0240447	1.47	TFRC	Transferrin receptor
1555543_a_at	0.0454656	1.47	CLCC1	Chloride channel CLIC like 1
201337_s_at	0.0457033	1.47	VAMP3	Vesicle associated membrane protein 3
218780_at	0.0039119	1.46	HOOK2	Hook microtubule tethering protein 2
209576_at	0.0071786	1.46	GNAI1	G protein subunit alpha i1
215076_s_at	0.0141133	1.46	COL3A1	Collagen type III alpha 1 chain
226237_at	0.0497092	1.46	COL8A1	Collagen type VIII alpha 1 chain
205321_at	0.0494234	1.45	EIF2S3	Eukaryotic translation initiation factor 2 subunit gamma
213537_at	0.0284914	1.44	HLA-DPA1	Major histocompatibility complex, class II, DP alpha 1
209436_at	0.0010569	1.43	SPON1	Spondin 1
1553678_a_at	0.0140471	1.43	ITGB1	Integrin subunit beta 1
242496_at	0.014978	1.43	ART4	ADP-ribosyltransferase 4 (Dombrock blood group)
201490_s_at	0.034949	1.43	PPIF	Peptidylprolyl isomerase F
217073_x_at	0.0362718	1.43	APOA1	Apolipoprotein A1

207977_s_at	0.0059655	1.42	DPT	Dermatopontin
213135_at	0.0365554	1.42	TIAM1	T-cell lymphoma invasion and metastasis 1
222634_s_at	0.0155621	1.41	TBL1XR1	Transducin (beta)-like 1 X-linked receptor 1
207275_s_at	0.0253533	1.41	ACSL1	Acyl-coa synthetase long-chain family member 1
231715_s_at	0.0318947	1.41	MIR6741///PYCR2	Microna 6741///pyrroline-5-carboxylate reductase family member 2
200665_s_at	0.0021325	1.4	SPARC	Secreted protein acidic and cysteine rich
214130_s_at	0.0040313	1.4	LOC101930416//LOC101929792//LOC100996724//PDE4DIP	Myomegalin-like//uncharacterized LOC101929792//phosphodiesterase 4D interacting protein-like//phosphodiesterase 4D interacting protein
214845_s_at	0.0272061	1.4	CALU	Calumenin
202672_s_at	0.0280295	1.4	ATF3	Activating transcription factor 3
214279_s_at	0.0336867	1.39	NDRG2	NDRG family member 2
225238_at	0.0078435	1.38	MSI2	Musashi RNA binding protein 2
208712_at	0.0279907	1.38	CCND1	Cyclin D1
211090_s_at	0.0462614	1.38	PRPF4B	Pre-mrna processing factor 4B
1552477_a_at	0.0063529	1.37	IRF6	Interferon regulatory factor 6
242715_at	0.0208695	1.37	ZNF536	Zinc finger protein 536
211922_s_at	0.0271541	1.37	CAT	Catalase
1570523_s_at	0.0303162	1.37	ATG10	Autophagy related 10
217140_s_at	0.0352148	1.37	VDAC1	Voltage dependent anion channel 1
1555154_a_at	0.0016639	1.36	QKI	QKI, KH domain containing RNA binding
228824_s_at	0.0096583	1.36	PTGR1	Prostaglandin reductase 1
201289_at	0.0146091	1.36	CYR61	Cysteine rich angiogenic inducer 61
232186_at	0.0291146	1.36	FITM2	Fat storage inducing transmembrane protein 2
1567458_s_at	0.0476732	1.36	RAC1	Ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
212143_s_at	0.0038804	1.35	IGFBP3	Insulin like growth factor binding protein 3
1558254_s_at	0.0046558	1.35	SRPK2	SRSF protein kinase 2
208853_s_at	0.0056889	1.35	CANX	Calnexin
1558027_s_at	0.0059902	1.35	PRKAB2	Protein kinase AMP-activated non-catalytic subunit beta 2
205512_s_at	0.0183686	1.35	AIFM1	Apoptosis inducing factor, mitochondria associated 1
208456_s_at	0.0063489	1.34	RRAS2	Related RAS viral (r-ras) oncogene homolog 2

<b>211169_s_at</b>	0.0097277	1.34	PPP1R3A	Protein phosphatase 1 regulatory subunit 3A
<b>226834_at</b>	0.0131477	1.34	CLMP	CXADR like membrane protein
<b>212488_at</b>	0.041005	1.34	COL5A1	Collagen type V alpha 1 chain
<b>204427_s_at</b>	0.0470327	1.34	TMED2	Transmembrane p24 trafficking protein 2
<b>221730_at</b>	0.0008487	1.33	COL5A2	Collagen type V alpha 2 chain
<b>230360_at</b>	0.0009105	1.33	GLDN	Gliomedin
<b>242034_at</b>	0.0068197	1.33	FBXL17	F-box and leucine rich repeat protein 17
<b>211015_s_at</b>	0.0075559	1.33	HSPA4	Heat shock protein family A (Hsp70) member 4
<b>201496_x_at</b>	0.0278576	1.33	MYH11	Myosin heavy chain 11
<b>1558028_x_at</b>	0.0497851	1.33	NORAD	Non-coding RNA activated by DNA damage
<b>212724_at</b>	0.0006849	1.32	RND3	Rho family gtpase 3
<b>211651_s_at</b>	0.0014879	1.32	LAMB1	Laminin subunit beta 1
<b>203357_s_at</b>	0.028582	1.31	CAPN7	Calpain 7
<b>233814_at</b>	0.0292444	1.31	EFNA5	Ephrin A5
<b>217562_at</b>	0.0356553	1.31	BRINP3	BMP/retinoic acid inducible neural specific 3
<b>223235_s_at</b>	0.0001034	1.29	SMOC2	SPARC related modular calcium binding 2
<b>220014_at</b>	0.0133806	1.29	PRR16	Proline rich 16
<b>210667_s_at</b>	0.0166368	1.29	C21orf33	Chromosome 21 open reading frame 33
<b>200064_at</b>	0.0320795	1.29	HSP90AB1	Heat shock protein 90 alpha family class B member 1
<b>226065_at</b>	0.0089545	1.28	PRICKLE1	Prickle planar cell polarity protein 1
<b>212979_s_at</b>	0.0113065	1.28	LOC100294033//TCAF1	Protein FAM115A-like//TRPM8 channel associated factor 1
<b>209742_s_at</b>	0.011878	1.28	MYL2	Myosin light chain 2
<b>201465_s_at</b>	0.0183769	1.28	JUN	Jun proto-oncogene, AP-1 transcription factor subunit
<b>203771_s_at</b>	0.0230784	1.28	BLVRA	Biliverdin reductase A
<b>200641_s_at</b>	0.0274483	1.28	YWHAZ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta
<b>203242_s_at</b>	0.0346093	1.28	PDLIM5	PDZ and LIM domain 5
<b>221051_s_at</b>	0.000258	1.27	NMRK2	Nicotinamide riboside kinase 2
<b>203725_at</b>	0.0032959	1.27	GADD45A	Growth arrest and DNA damage inducible alpha
<b>205693_at</b>	0.0065659	1.27	TNNT3	Troponin T3, fast skeletal type
<b>244771_at</b>	0.0109727	1.27	KBTBD12	Kelch repeat and BTB domain containing 12
<b>201841_s_at</b>	0.0175109	1.27	HSPB1	Heat shock protein family B (small) member 1
<b>221430_s_at</b>	0.0177213	1.27	RNF146	Ring finger protein 146

<b>200730_s_at</b>	0.0363001	1.27	PTP4A1	Protein tyrosine phosphatase type IVA, member 1
<b>216048_s_at</b>	0.00866	1.26	RHOBTB3	Rho related BTB domain containing 3
<b>1555679_a_at</b>	0.0264038	1.26	RTN4IP1	Reticulon 4 interacting protein 1
<b>1552721_a_at</b>	0.0345177	1.26	FGF1	Fibroblast growth factor 1
<b>235331_x_at</b>	0.0400264	1.26	PCGF5	Polycomb group ring finger 5
<b>209392_at</b>	0.0056681	1.25	ENPP2	Ectonucleotide pyrophosphatase/phosphodiesterase 2
<b>211968_s_at</b>	0.0095766	1.25	HSP90AA1	Heat shock protein 90 alpha family class A member 1
<b>235321_at</b>	0.0096551	1.25	NDUFS1	NADH:ubiquinone oxidoreductase core subunit S1
<b>1555403_a_at</b>	0.0430809	1.25	CDH19	Cadherin 19
<b>211317_s_at</b>	0.0498033	1.25	CFLAR	CASP8 and FADD like apoptosis regulator
<b>201552_at</b>	0.0391825	1.24	LAMP1	Lysosomal associated membrane protein 1
<b>208691_at</b>	0.0463388	1.24	TFRC	Transferrin receptor
<b>218839_at</b>	0.0003993	1.23	HEY1	Hes related family bhlh transcription factor with YRPW motif 1
<b>201946_s_at</b>	0.0039256	1.23	CCT2	Chaperonin containing TCP1 subunit 2
<b>239537_at</b>	0.0150926	1.23	ST8SIA2	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2
<b>215719_x_at</b>	0.0231005	1.23	FAS	Fas cell surface death receptor
<b>216640_s_at</b>	0.0383095	1.23	PDIA6	Protein disulfide isomerase family A member 6
<b>230708_at</b>	0.0450248	1.23	PRICKLE1	Prickle planar cell polarity protein 1
<b>226311_at</b>	0.0485591	1.23	ADAMTS2	ADAM metallopeptidase with thrombospondin type 1 motif 2
<b>234304_s_at</b>	0.0041095	1.22	IPO11-LRRC70//IPO11	IPO11-LRRC70 readthrough//importin 11
<b>1557938_s_at</b>	0.0153277	1.22	PTRF	Polymerase I and transcript release factor
<b>230788_at</b>	0.0467827	1.22	GCNT2	Glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)
<b>210218_s_at</b>	0.0041163	1.21	SP100	SP100 nuclear antigen
<b>227474_at</b>	0.0116171	1.21	PAX8-AS1	PAX8 antisense RNA 1
<b>203424_s_at</b>	0.025873	1.21	IGFBP5	Insulin like growth factor binding protein 5
<b>202458_at</b>	0.041184	1.21	PRSS23	Protease, serine 23
<b>228523_at</b>	0.0441877	1.21	NANOS1	Nanos C2HC-type zinc finger 1
<b>221423_s_at</b>	0.0465419	1.21	YIPF5	Yip1 domain family member 5

<b>220415_at</b>	0.0057141	1.2	FPGT-TNNI3K//TNNI3K	FPGT-TNNI3K readthrough//TNNI3 interacting kinase
<b>216234_s_at</b>	0.0091663	1.2	PRKACA	Protein kinase camp-activated catalytic subunit alpha
<b>208359_s_at</b>	0.0158636	1.2	KCNJ4	Potassium voltage-gated channel subfamily J member 4
<b>1555730_a_at</b>	0.0193469	1.2	CFL1	Cofilin 1
<b>217599_s_at</b>	0.0361966	1.2	MDFIC	Myod family inhibitor domain containing
<b>210954_s_at</b>	0.0366007	1.2	TSC22D2	TSC22 domain family member 2
<b>210839_s_at</b>	0.0112595	1.19	ENPP2	Ectonucleotide pyrophosphatase/phosphodiesterase 2
<b>202784_s_at</b>	0.0199335	1.19	NNT	Nicotinamide nucleotide transhydrogenase
<b>208893_s_at</b>	0.0064801	1.18	DUSP6	Dual specificity phosphatase 6
<b>217356_s_at</b>	0.0120975	1.18	PGK1	Phosphoglycerate kinase 1
<b>238081_at</b>	0.0127295	1.18	WDFY3-AS2	WDFY3 antisense RNA 2
<b>215464_s_at</b>	0.0202954	1.18	P2RX5-TAX1BP3//TAX1BP3//P2RX5	P2RX5-TAX1BP3 readthrough (NMD candidate)//Tax1 binding protein 3//purinergic receptor P2X 5
<b>216804_s_at</b>	0.0219862	1.18	PDLIM5	PDZ and LIM domain 5
<b>203582_s_at</b>	0.0321953	1.18	SPHAR//RAB4A	S-phase response (cyclin related)//RAB4A, member RAS oncogene family
<b>238794_at</b>	0.0406689	1.18	SFR1	SWI5 dependent homologous recombination repair protein 1
<b>214691_x_at</b>	0.0012502	1.17	FAM63B	Family with sequence similarity 63 member B
<b>1554414_a_at</b>	0.0031496	1.17	OSGIN2	Oxidative stress induced growth inhibitor family member 2
<b>213139_at</b>	0.011394	1.17	SNAI2	Snail family transcriptional repressor 2
<b>215505_s_at</b>	0.034034	1.17	STRN3	Striatin 3
<b>233230_s_at</b>	0.0462447	1.17	SLAIN2	SLAIN motif family member 2
<b>203642_s_at</b>	0.0065246	1.16	COBLL1	Cordon-bleu WH2 repeat protein like 1
<b>215711_s_at</b>	0.0316932	1.16	WEE1	WEE1 G2 checkpoint kinase
<b>202403_s_at</b>	0.0402818	1.16	COL1A2	Collagen type I alpha 2 chain
<b>218129_s_at</b>	0.0013358	1.15	NFYB	Nuclear transcription factor Y subunit beta
<b>227299_at</b>	0.0097686	1.15	CCNI	Cyclin I
<b>209668_x_at</b>	0.0100561	1.15	CES2	Carboxylesterase 2
<b>202137_s_at</b>	0.0104	1.15	ZMYND11	Zinc finger MYND-type containing 11
<b>214659_x_at</b>	0.0116445	1.15	YLPM1	YLP motif containing 1



<b>1555226_s_at</b>	0.0341456	1.15	C1orf43	Chromosome 1 open reading frame 43
<b>201466_s_at</b>	0.0360148	1.15	JUN	Jun proto-oncogene, AP-1 transcription factor subunit
<b>202465_at</b>	0.0366493	1.15	PCOLCE	Procollagen C-endopeptidase enhancer
<b>211981_at</b>	0.0419635	1.15	COL4A1	Collagen type IV alpha 1 chain
<b>200628_s_at</b>	0.0448476	1.15	WARS	Tryptophanyl-trna synthetase
<b>219645_at</b>	0.0008254	1.14	CASQ1	Calsequestrin 1
<b>233208_x_at</b>	0.013733	1.14	CPSF2	Cleavage and polyadenylation specific factor 2
<b>1554678_s_at</b>	0.0204427	1.14	HNRNPDL	Heterogeneous nuclear ribonucleoprotein D like
<b>1554411_at</b>	0.0286952	1.14	CTNNB1	Catenin beta 1
<b>222693_at</b>	0.0321084	1.14	LOC101928615///FNDC3B	Uncharacterized LOC101928615///fibronectin type III domain containing 3B
<b>214720_x_at</b>	0.0434061	1.14	10-Sep	Septin 10
<b>1554868_s_at</b>	0.0092093	1.13	PCNP	PEST proteolytic signal containing nuclear protein
<b>214541_s_at</b>	0.0214303	1.13	QKI	QKI, KH domain containing RNA binding
<b>222532_at</b>	0.0248206	1.13	SRPRB	SRP receptor beta subunit
<b>226282_at</b>	0.0328357	1.13	PTPN14	Protein tyrosine phosphatase, non-receptor type 14
<b>224595_at</b>	0.033906	1.13	SLC44A1	Solute carrier family 44 member 1
<b>241752_at</b>	0.0348258	1.13	SLC8A1	Solute carrier family 8 member A1
<b>209882_at</b>	0.0457294	1.13	RIT1	Ras like without CAAX 1
<b>226134_s_at</b>	0.0196859	1.12	MSI2	Musashi RNA binding protein 2
<b>223879_s_at</b>	0.0282281	1.12	OXR1	Oxidation resistance 1
<b>204238_s_at</b>	0.0347315	1.12	DNPH1	2'-deoxynucleoside 5'-phosphate N-hydrolase 1
<b>201120_s_at</b>	0.0391307	1.12	PGRMC1	Progesterone receptor membrane component 1
<b>1553873_at</b>	0.0394515	1.12	KLHL34	Kelch like family member 34
<b>214449_s_at</b>	0.0009546	1.11	RHOQ	Ras homolog family member Q
<b>200951_s_at</b>	0.0018346	1.11	CCND2	Cyclin D2
<b>1554747_a_at</b>	0.0070355	1.11	2-Sep	Septin 2
<b>226506_at</b>	0.0084189	1.11	THSD4	Thrombospondin type 1 domain containing 4
<b>222698_s_at</b>	0.008548	1.11	IMPACT	Impact RWD domain protein
<b>238613_at</b>	0.0122257	1.11	ZAK	Sterile alpha motif and leucine zipper containing kinase AZK
<b>228851_s_at</b>	0.0153161	1.11	ENSA	Endosulfine alpha
<b>200622_x_at</b>	0.0163304	1.11	CALM3///CALM2///CALM1	Calmodulin 3///calmodulin 2///calmodulin 1
<b>214730_s_at</b>	0.0246613	1.11	GLG1	Golgi glycoprotein 1

<b>208852_s_at</b>	0.0020222	1.1	CANX	Calnexin
<b>200671_s_at</b>	0.0049487	1.1	SPTBN1	Spectrin beta, non-erythrocytic 1
<b>200787_s_at</b>	0.0235191	1.1	PEA15	Phosphoprotein enriched in astrocytes 15
<b>36554_at</b>	0.0245221	1.1	ASMTL	Acetylserotonin O-methyltransferase-like
<b>226206_at</b>	0.0358073	1.1	MAFK	MAF bzip transcription factor K
<b>224061_at</b>	0.0000899	1.09	INMT	Indolethylamine N-methyltransferase
<b>203827_at</b>	0.0004525	1.09	WIP1	WD repeat domain, phosphoinositide interacting 1
<b>213974_at</b>	0.0019287	1.09	ADAMTSL3	ADAMTS like 3
<b>225817_at</b>	0.0090272	1.09	LOC101930349//LOC101930344//CGNL1	Uncharacterized LOC101930349//uncharacterized LOC101930344//cingulin like 1
<b>212242_at</b>	0.0124051	1.09	TUBA4A	Tubulin alpha 4a
<b>1552678_a_at</b>	0.0468724	1.09	USP28	Ubiquitin specific peptidase 28
<b>223206_s_at</b>	0.0100698	1.08	NMRAL1	Nmra like redox sensor 1
<b>208748_s_at</b>	0.0157819	1.08	FLOT1	Flotillin 1
<b>200008_s_at</b>	0.0184179	1.08	GDI2	GDP dissociation inhibitor 2
<b>212878_s_at</b>	0.0374472	1.08	KLC1	Kinesin light chain 1
<b>202731_at</b>	0.0386727	1.08	MIR4680//PDCD4	Microrna 4680//programmed cell death 4 (neoplastic transformation inhibitor)
<b>219529_at</b>	0.0021657	1.07	CLIC3	Chloride intracellular channel 3
<b>209653_at</b>	0.0040063	1.07	KPNA4	Karyopherin subunit alpha 4
<b>1552417_a_at</b>	0.0047314	1.07	NEDD1	Neural precursor cell expressed, developmentally down-regulated 1
<b>218486_at</b>	0.0108049	1.07	KLF11	Kruppel like factor 11
<b>210130_s_at</b>	0.0130961	1.07	TM7SF2	Transmembrane 7 superfamily member 2
<b>201162_at</b>	0.0199651	1.07	IGFBP7	Insulin like growth factor binding protein 7
<b>208677_s_at</b>	0.0303958	1.07	BSG	Basigin (Ok blood group)
<b>1555037_a_at</b>	0.0470131	1.07	IDH1	Isocitrate dehydrogenase (NADP(+)) 1, cytosolic
<b>213033_s_at</b>	0.0000974	1.06	NFIB	Nuclear factor I B
<b>205401_at</b>	0.0062235	1.06	AGPS	Alkylglycerone phosphate synthase
<b>1553117_a_at</b>	0.0062413	1.06	STK38	Serine/threonine kinase 38
<b>200679_x_at</b>	0.0070435	1.06	HMGB1	High mobility group box 1
<b>206042_x_at</b>	0.011051	1.06	SNURF//SNRPN	SNRPN upstream reading frame//small nuclear ribonucleoprotein polypeptide N
<b>223181_at</b>	0.0138372	1.06	TIMM21	Translocase of inner mitochondrial membrane 21
<b>200793_s_at</b>	0.0196001	1.06	ACO2	Aconitase 2

209958_s_at	0.0200186	1.06	BBS9	Bardet-Biedl syndrome 9
213068_at	0.0307388	1.06	DPT	Dermatopontin
228772_at	0.0363237	1.06	HNMT	Histamine N-methyltransferase
200790_at	0.045314	1.06	ODC1	Ornithine decarboxylase 1

68 down-regulated genes				
ID	p value	logFC	Gene symbol	Gene title
207558_s_at	0.0246758	-4.59	PITX2	Paired like homeodomain 2
241456_at	0.003456	-2.97	FAM78B	Family with sequence similarity 78 member B
239552_at	0.0133993	-2.56	VWDE	Von Willebrand factor D and EGF domains
209840_s_at	0.0163268	-2.47	LRRN3	Leucine rich repeat neuronal 3
224367_at	0.0355149	-2.17	BEX2	Brain expressed X-linked 2
239884_at	0.0270866	-2.08	CADPS	Calcium dependent secretion activator
203535_at	0.040043	-1.98	S100A9	S100 calcium binding protein A9
227830_at	0.0362017	-1.97	GABRB3	Gamma-aminobutyric acid type A receptor beta3 subunit
1564083_at	0.0438367	-1.86	LOC101926975	Uncharacterized LOC101926975
203407_at	0.0065808	-1.84	PPL	Periplakin
234989_at	0.0483568	-1.8	MIR612///N EAT1	Microrna 612///nuclear paraspeckle assembly transcript 1 (non-protein coding)
213904_at	0.002461	-1.8	FRRS1L	Ferric chelate reductase 1 like
225987_at	0.0112932	-1.73	STEAP4	STEAP4 metalloredutase
222927_s_at	0.0318285	-1.72	CPLX3	Complexin 3
32128_at	0.0147193	-1.66	CCL18	C-C motif chemokine ligand 18
214135_at	0.011695	-1.64	CLDN18	Claudin 18
230214_at	0.0001773	-1.62	MRVI1	Murine retrovirus integration site 1 homolog
230840_at	0.0000741	-1.61	SMIM1	Small integral membrane protein 1 (Vel blood group)
228057_at	0.0003275	-1.59	DDIT4L	DNA damage inducible transcript 4 like
243610_at	0.0269431	-1.59	C9orf135	Chromosome 9 open reading frame 135
220221_at	0.0245545	-1.54	VPS13D	Vacuolar protein sorting 13 homolog D
226973_at	0.0348061	-1.5	VSTM2L	V-set and transmembrane domain containing 2 like
229574_at	0.0469879	-1.5	TRA2A	Transformer 2 alpha homolog
239461_at	0.0285949	-1.5	GALNT15	Polypeptide N-acetylgalactosaminyl-transferase 15

<b>204000_at</b>	0.0162027	-1.43	GNB5	G protein subunit beta 5
<b>239297_at</b>	0.000143	-1.42	LOC101927137///KIAA1456	Uncharacterized LOC101927137///KIAA1456
<b>203929_s_at</b>	0.0009585	-1.4	MAPT	Microtubule associated protein tau
<b>232529_at</b>	0.0159078	-1.38	SP3	Sp3 transcription factor
<b>229963_at</b>	0.0022633	-1.38	BEX5	Brain expressed X-linked 5
<b>213222_at</b>	0.0355888	-1.37	PLCB1	Phospholipase C beta 1
<b>214087_s_at</b>	0.0247119	-1.36	MYBPC1	Myosin binding protein C, slow type
<b>229414_at</b>	0.0018817	-1.35	PITPNC1	Phosphatidylinositol transfer protein, cytoplasmic 1
<b>228723_at</b>	0.0278874	-1.35	NPTN-IT1	NPTN intronic transcript 1
<b>231236_at</b>	0.0142462	-1.34	ZFP57	ZFP57 zinc finger protein
<b>227933_at</b>	0.0188981	-1.32	LINGO1	Leucine rich repeat and Ig domain containing 1
<b>238983_at</b>	0.0016003	-1.3	NSUN7	NOP2/Sun RNA methyltransferase family member 7
<b>1558828_s_at</b>	0.0479301	-1.3	CARMN	Cardiac mesoderm enhancer-associated non-coding RNA
<b>1569940_at</b>	0.011145	-1.29	SLC6A16	Solute carrier family 6 member 16
<b>231009_at</b>	0.0028721	-1.29	PLA2G12B	Phospholipase A2 group XIIB
<b>230641_at</b>	0.0030382	-1.28	LOC100505938	Uncharacterized LOC100505938
<b>229641_at</b>	0.0405711	-1.28	CCBE1	Collagen and calcium binding EGF domains 1
<b>228392_at</b>	0.0325633	-1.27	ZNF302	Zinc finger protein 302
<b>244165_at</b>	0.0339009	-1.25	FAM208B	Family with sequence similarity 208 member B
<b>206561_s_at</b>	0.0193367	-1.25	AKR1B10	Aldo-keto reductase family 1 member B10
<b>219478_at</b>	0.0349078	-1.24	WFDC1	WAP four-disulfide core domain 1
<b>219957_at</b>	0.0453076	-1.23	RUFY2	RUN and FYVE domain containing 2
<b>230270_at</b>	0.0262406	-1.22	PRPF38B	Pre-mrna processing factor 38B
<b>215795_at</b>	0.0449482	-1.22	MYH7B	Myosin heavy chain 7B
<b>232458_at</b>	0.0303198	-1.22	COL3A1	Collagen type III alpha 1 chain
<b>232027_at</b>	0.0134531	-1.21	SYNE1	Spectrin repeat containing nuclear envelope protein 1
<b>210432_s_at</b>	0.0340129	-1.21	SCN3A	Sodium voltage-gated channel alpha subunit 3
<b>213110_s_at</b>	0.0236621	-1.21	COL4A5	Collagen type IV alpha 5 chain
<b>219572_at</b>	0.0122784	-1.21	CADPS2	Calcium dependent secretion activator 2
<b>230913_at</b>	0.0268032	-1.21	ABCG1	ATP binding cassette subfamily G member 1
<b>227607_at</b>	0.0018609	-1.2	STAMBPL1	STAM binding protein like 1
<b>213280_at</b>	0.0000683	-1.2	RAP1GAP2	RAP1 gtpase activating protein 2
<b>229694_at</b>	0.0498724	-1.19	WDR11	WD repeat domain 11
<b>204232_at</b>	0.0246344	-1.19	FCER1G	Fc fragment of ige receptor Ig

<b>227654_at</b>	0.0354988	-1.16	FAM65C	Family with sequence similarity 65 member C
<b>230991_at</b>	0.0071354	-1.15	LOC102724156	Uncharacterized LOC102724156
<b>220116_at</b>	0.0033171	-1.14	KCNN2	Potassium calcium-activated channel subfamily N member 2
<b>228559_at</b>	0.0165908	-1.13	CENPN	Centromere protein N
<b>226929_at</b>	0.0005592	-1.12	MTHFR	Methylenetetrahydrofolate reductase (NAD(P)H)
<b>201272_at</b>	0.0348511	-1.11	AKR1B1	Aldo-keto reductase family 1 member B
<b>203438_at</b>	0.0166568	-1.1	STC2	Stanniocalcin 2
<b>232500_at</b>	0.027324	-1.1	RALGAPA2	Ral gtpase activating protein catalytic alpha subunit 2
<b>1560785_at</b>	0.0375433	-1.08	DYRK3	Dual specificity tyrosine phosphorylation regulated kinase 3
<b>209569_x_at</b>	0.0085849	-1.07	NSG1	Neuron specific gene family member 1