



Title	Comparing spatial expression dynamics of bovine blastocyst under three different procedures : in-vivo, in-vitro derived, and somatic cell nuclear transfer embryos
Author(s)	Nagatomo, Hiroaki; Akizawa, Hiroki; Sada, Ayari; Kishi, Yasunori; Yamanaka, Ken-ichi; Takuma, Tetsuya; Sasaki, Keisuke; Yamauchi, Nobuhiko; Yanagawa, Yojiro; Nagano, Masashi; Kono, Tomohiro; Takahashi, Masashi; Kawahara, Manabu
Citation	Japanese Journal of Veterinary Research, 63(4), 159-171
Issue Date	2015-11
DOI	10.14943/jjvr.63.4.159
Doc URL	http://hdl.handle.net/2115/60304
Type	bulletin (article)
Additional Information	There are other files related to this item in HUSCAP. Check the above URL.
File Information	JJVR63-4 p.159-171 Suppl. Table 2.pdf (Supplemental Table 2)



[Instructions for use](#)

Supplemental table 2. Genes that were differentially expressed in the ICM relative to the TE in in vitro-derived blastocyst (VITRO list).

Gene Symbol	Probe Set ID	Regulation	Fold change ([ICM] / [TE])	Gene Title
FAU	Bt.4618.1.S1_at	UP	1.5435902	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed
SCARB1	Bt.4520.1.S1_at	UP	3.9250677	scavenger receptor class B, member 1
APOA1	Bt.1229.1.S1_at	UP	1.6044862	apolipoprotein A-1
SERPINA5	Bt.2712.1.S1_at	UP	13.560693	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5
PHYH	Bt.596.1.S1_at	UP	2.4735115	phytanoyl-CoA 2-hydroxylase
PARP1	Bt.4803.1.S1_at	UP	1.7105592	poly (ADP-ribose) polymerase 1
IDH2	Bt.5520.1.S1_at	UP	1.4914702	isocitrate dehydrogenase 2 (NADP+), mitochondrial
IGFBP4	Bt.5237.1.S1_at	UP	14.19323	insulin-like growth factor binding protein 4
CA2	Bt.22854.1.S1_at	UP	3.0129607	carbonic anhydrase II
LAPTM4B	Bt.1143.1.S1_at	UP	2.4578593	lysosomal protein transmembrane 4 beta
NDUFA10	Bt.4473.1.S1_at	UP	1.4646538	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa
TUFM	Bt.5344.1.S1_at	UP	1.3142761	Tu translation elongation factor, mitochondrial
GOT1	Bt.4744.1.S1_at	UP	1.7964547	glutamic-oxaloacetic transaminase 1, soluble (aspartate
CALCOCO2	Bt.4831.1.S1_at	UP	1.2294345	calcium binding and coiled-coil domain 2
ADFP	Bt.2568.1.S1_at	UP	2.503423	adipose differentiation-related protein
NDUFA7	Bt.20.1.S1_at	UP	1.1766168	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa
TGM2	Bt.5401.1.S1_at	UP	1.7703608	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)
HSPE1	Bt.504.1.S1_at	UP	1.2995863	heat shock 10kDa protein 1 (chaperonin 10)
SOD2	Bt.4748.1.S1_at	UP	1.3850834	superoxide dismutase 2, mitochondrial
PI4KB	Bt.688.1.S1_at	UP	1.494076	phosphatidylinositol 4-kinase, catalytic, beta
NDUFC2	Bt.21.1.S1_at	UP	1.3743576	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa
FCGR2B	Bt.4679.1.S1_at	UP	2.9939451	Fc fragment of IgG, low affinity IIb, receptor (CD32)
GJA1	Bt.15972.1.S1_at	UP	6.5623627	gap junction protein, alpha 1, 43kDa
GPR68	Bt.4597.1.S1_at	UP	3.2591472	G protein-coupled receptor 68
FABP3	Bt.4758.1.S1_at	UP	2.2283196	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)
CTNBL1	Bt.4150.1.S1_at	UP	1.2871892	catenin, beta like 1
NDUFA6	Bt.63.1.S1_at	UP	1.3274472	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa
SELL	Bt.2314.1.S1_at	UP	4.850904	selectin L
AURKB	Bt.7331.1.S2_at	UP	2.0890696	aurora kinase B
INPP1	Bt.5174.1.S1_at	UP	2.1340208	inositol polyphosphate-1-phosphatase
AK3L1	Bt.5149.1.S2_at	UP	2.3685038	adenylate kinase 3-like 1
AK3L1	Bt.5149.1.S1_at	UP	1.9641143	adenylate kinase 3-like 1
HINT2	Bt.11196.1.S1_at	UP	1.4236002	histidine triad nucleotide binding protein 2
MYH1 /// MYH2	Bt.12300.1.S1_a_at	UP	7.978018	myosin, heavy chain 1, skeletal muscle, adult /// myosin, heavy chain 2, skeletal muscle, adult
MYH1	Bt.12300.1.S1_at	UP	5.0744023	myosin, heavy chain 1, skeletal muscle, adult
PAFAH1B1	Bt.5436.1.S1_at	UP	1.4837097	platelet-activating factor acetylhydrolase, isoform Ib, subunit 1 (45kDa)
PABPN1	Bt.5085.1.S1_at	UP	1.4688147	poly(A) binding protein, nuclear
F5	Bt.4130.1.S1_at	UP	2.012334	coagulation factor V (proaccelerin, labile factor)
PLUNC	Bt.11195.1.S1_at	UP	3.7020507	palate, lung and nasal epithelium associated
SSB	Bt.15513.1.S1_at	UP	1.633179	Sjogren syndrome antigen B (autoantigen La)
CA4	Bt.555.1.S1_at	UP	10.663092	carbonic anhydrase IV
HADHB	Bt.832.1.S1_at	UP	1.524294	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta
CAV1	Bt.2230.1.S2_at	UP	15.69051	caveolin 1, caveolae protein, 22kDa
F11R	Bt.4768.1.S2_at	UP	1.6157435	F11 receptor
UQCRCQ	Bt.547.1.S1_at	UP	1.3305016	low molecular mass ubiquinone-binding protein (9.5kD)
MAOB	Bt.22460.1.S2_at	UP	3.3273983	monoamine oxidase B
MTPN	Bt.647.1.S1_at	UP	1.5157337	myotrophin
ATP6V0A2	Bt.16017.1.S2_at	UP	1.645547	ATPase, H+ transporting, lysosomal V0 subunit a2
DHX9	Bt.5544.1.S1_at	UP	1.5306944	DEAH (Asp-Glu-Ala-His) box polypeptide 9
PPID	Bt.7221.1.S1_at	UP	1.3121762	peptidylprolyl isomerase D
CTBP2	Bt.6440.1.S1_at	UP	1.4131529	C-terminal binding protein 2
IGFBP2	Bt.149.1.S1_at	UP	2.8118465	insulin-like growth factor binding protein 2, 36kDa
CD47	Bt.2626.1.S1_at	UP	3.2186131	CD47 molecule
PRKAG1	Bt.5588.1.S1_at	UP	1.4087077	protein kinase, AMP-activated, gamma 1 non-catalytic subunit
IRF1	Bt.10077.1.S2_at	UP	2.026203	interferon regulatory factor 1
CEBPD	Bt.6406.1.S2_at	UP	1.3741311	CCAAT/enhancer binding protein (C/EBP), delta
BoLA-DRB3	Bt.5356.1.S1_s_at	UP	3.3904657	major histocompatibility complex, class II, DRB3
HSPCA	Bt.23179.1.S1_at	UP	1.4991257	heat shock 90kD protein 1, alpha
DBI	Bt.401.2.S1_at	UP	1.3737884	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)
HNF4A	Bt.13075.1.S1_at	UP	17.554134	hepatocyte nuclear factor 4, alpha
MRPL43	Bt.8545.1.S1_at	UP	1.9299811	Mitochondrial ribosomal protein L43
PRKACB	Bt.391.2.S1_at	UP	1.6397531	protein kinase, cAMP-dependent, catalytic, beta
FN1	Bt.23418.1.S1_at	UP	1.3460499	fibronectin 1
PGD	Bt.1244.1.S1_at	UP	1.3445385	phosphogluconate dehydrogenase
RPS15A	Bt.3779.1.S2_at	UP	1.4263207	ribosomal protein S15A
COL4A1	Bt.12912.1.S2_at	UP	4.0298615	collagen, type IV, alpha 1
STAT3	Bt.15334.1.S1_at	UP	5.153019	signal transducer and activator of transcription 3 (acute-phase response factor)
HDAC1	Bt.23109.1.S1_at	UP	1.3731519	histone deacetylase 1
CAPN2	Bt.20971.1.S1_at	UP	1.1944315	calpain 2, (m/II) large subunit
GATA4	Bt.8960.1.S1_at	UP	2.1453488	GATA binding protein 4
NME1	Bt.5340.1.S1_s_at	UP	2.0358016	non-metastatic cells 1, protein (NM23A) expressed in
GLUL	Bt.12472.1.S1_at	UP	2.0651321	glutamate-ammonia ligase (glutamine synthetase)
COL18A1	Bt.11942.1.S1_at	UP	2.7333913	collagen, type XVIII, alpha 1
HDAC3	Bt.22129.1.S1_at	UP	1.3914675	histone deacetylase 3
MTTP	Bt.26343.1.S1_at	UP	5.641231	microsomal triglyceride transfer protein
PSIP1	Bt.12290.1.S1_at	UP	2.3459377	PC4 and SFRS1 interacting protein 1
OCLN	Bt.13868.1.S1_at	UP	1.5915878	occludin
TXNDC17	Bt.9956.1.S1_at	UP	1.2842652	thioredoxin domain containing 17
H3F3A	Bt.5388.1.S1_at	UP	1.7782471	H3 histone, family 3A
H3F3A	Bt.5388.1.S1_s_at	UP	1.4436512	H3 histone, family 3A
FGFR2	Bt.21540.1.S1_at	UP	5.9367027	fibroblast growth factor receptor 2
GULO	Bt.13113.1.S1_at	UP	5.2203255	L-gulonolactone oxidase
	Bt.28145.1.S1_at	UP	4.4943333	
KIT	Bt.12804.1.S1_at	UP	3.700247	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
LEO1	Bt.5319.3.S1_s_at	UP	1.1824082	Leo1, Paf1/RNA polymerase II complex component, homolog (S.
RPL15	Bt.23339.1.S2_at	UP	1.9376605	ribosomal protein L15
B2M	Bt.5269.2.S1_at	UP	1.3661568	beta-2-microglobulin
RPL34	Bt.23548.1.S1_at	UP	1.3880018	ribosomal protein L34
TUBB2A	Bt.22803.1.S2_at	UP	1.279138	Tubulin, beta 2A
HNRNPF	Bt.23170.1.S1_at	UP	1.3793093	heterogeneous nuclear ribonucleoprotein F
HMGN2	Bt.1758.1.S1_at	UP	1.4120868	high-mobility group nucleosomal binding domain 2
CHCHD9	Bt.22843.1.S1_at	UP	1.2786262	coiled-coil-helix-coiled-coil-helix domain containing 9

NACA	Bt.7785.1.S1_at	UP	1.321937	nascent polypeptide-associated complex alpha subunit
C1S	Bt.1491.1.S1_at	UP	2.5151908	complement component 1, s subcomponent
CCT3	Bt.5096.1.S1_at	UP	1.3021138	chaperonin containing TCP1, subunit 3 (gamma)
C3	Bt.4209.2.S1_a_at	UP	1.8317877	complement component 3
C3	Bt.4209.2.S1_at	UP	2.2378995	complement component 3
PSME1	Bt.2575.1.S1_at	UP	2.520588	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
MGST3	Bt.1157.1.S1_at	UP	1.6701785	microsomal glutathione S-transferase 3
PTMA	Bt.11448.1.S1_at	UP	1.6104711	prothymosin, alpha (gene sequence 28)
LASS2	Bt.19709.1.S1_at	UP	1.4972262	LAG1 homolog, ceramide synthase 2
TKT	Bt.4750.1.S1_at	UP	1.4152507	transketolase
EIF3I	Bt.4694.1.S1_at	UP	1.3661029	eukaryotic translation initiation factor 3, subunit I
PSMD2	Bt.20443.1.S1_at	UP	1.4042469	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2
LGALS4	Bt.9082.1.S1_at	UP	3.7054026	lectin, galactoside-binding, soluble, 4
OCIA1	Bt.1764.1.S1_at	UP	1.294397	OCIA domain containing 1
C5H12orf44	Bt.5191.1.S1_at	UP	1.4858811	chromosome 12 open reading frame 44 ortholog
MGC128424	Bt.11245.1.S1_at	UP	1.9552612	hypothetical protein MGC128424
PYCR1	Bt.5422.1.S1_at	UP	1.4123652	pyrroline-5-carboxylate reductase-like
LOC531757	Bt.5043.1.S1_at	UP	2.2979422	Similar to Aminopeptidase O (AP-O)
NHP2L1	Bt.4185.1.S1_at	UP	1.5582122	NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae)
UQCRRH	Bt.3610.1.S1_at	UP	1.245612	ubiquinol-cytochrome c reductase hinge protein
DPYS	Bt.18310.1.A1_at	UP	4.352431	dihydropyrimidinase
IFITM1	Bt.22978.2.S1_at	UP	5.8032312	interferon induced transmembrane protein 1 (9-27)
HNRNPD	Bt.3809.2.S1_a_at	UP	1.4026735	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)
RCN1	Bt.23305.1.S1_at	UP	1.5710322	reticulocalbin 1, EF-hand calcium binding domain
	4-Sep Bt.14150.1.S1_at	UP	5.0084286	septin 4
PSMA5	Bt.886.1.S1_at	UP	1.4144682	proteasome (prosome, macropain) subunit, alpha type, 5
A2M	Bt.23514.1.S1_at	UP	8.32034	alpha-2-macroglobulin
TMEM120A	Bt.4011.1.S1_at	UP	1.5900264	transmembrane protein 120A
RBM4	Bt.20177.1.S1_at	UP	1.3684629	RNA binding motif protein 4
HNRNPM	Bt.2926.1.S1_at	UP	1.4378566	heterogeneous nuclear ribonucleoprotein M
PSME2	Bt.15729.1.S1_at	UP	1.390967	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)
MS4A8B	Bt.9605.1.S1_at	UP	2.930314	membrane-spanning 4-domains, subfamily A, member 8B
MRPL18	Bt.5459.1.S1_at	UP	1.3304329	mitochondrial ribosomal protein L18
TSC22D1	Bt.4870.1.S1_at	UP	1.4228815	TSC22 domain family, member 1
OCT2	Bt.12365.1.S1_at	UP	1.2837429	chaperonin containing TCP1, subunit 2 (beta)
SHISA5	Bt.2340.1.S1_at	UP	1.9032162	shisa homolog 5 (Xenopus laevis)
CD47	Bt.15742.1.S2_at	UP	7.919155	CD47 molecule
PRKAR1A	Bt.10903.1.S1_at	UP	1.4560449	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)
C1QBP	Bt.16082.1.S1_at	UP	1.3280658	complement component 1, q subcomponent binding protein
TSPAN3	Bt.5444.1.S1_at	UP	2.2024057	tetraspanin 3
SPCS1	Bt.9749.1.S1_at	UP	1.1905316	signal peptidase complex subunit 1 homolog (S. cerevisiae)
LOC521064	Bt.6694.1.S1_at	UP	1.7063061	Similar to mCG23379
TSR2	Bt.4595.1.S1_at	UP	1.6396182	TSR2, 20S rRNA accumulation, homolog (S. cerevisiae)
ID1	Bt.1730.1.A1_at	UP	11.265396	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
CCDC23	Bt.2956.1.A1_at	UP	1.3612934	coiled-coil domain containing 23
FBLN1	Bt.22545.1.S1_a_at	UP	2.3298204	fibulin 1
NOP16	Bt.8324.1.S1_at	UP	1.4399672	NOP16 nucleolar protein homolog (yeast)
KLF4	Bt.1424.1.S1_at	UP	1.5202763	Kruppel-like factor 4 (gut)
MCM4	Bt.20262.1.S1_at	UP	1.7952731	minichromosome maintenance complex component 4
MRPS5	Bt.4900.1.A1_at	UP	1.344412	mitochondrial ribosomal protein S5
TPD52L2	Bt.21340.1.S1_at	UP	1.3518022	tumor protein D52-like 2
POLR2H	Bt.2453.1.S1_at	UP	1.6123348	polymerase (RNA) II (DNA directed) polypeptide H
COASY	Bt.12679.1.S1_at	UP	1.8786621	Coenzyme A synthase
RUVBL1	Bt.20437.1.S1_at	UP	1.4478875	RuvB-like 1 (E. coli)
SUOX	Bt.2457.1.S1_at	UP	1.6702992	sulfite oxidase
DDX6	Bt.12357.1.S1_at	UP	1.4121976	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
KANK2	Bt.7727.1.S1_at	UP	1.672455	KN motif and ankyrin repeat domains 2
SMARCE1	Bt.18381.1.S1_at	UP	1.6283633	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1
	Bt.5941.1.S1_at	UP	1.4324147	
TAF7	Bt.11731.1.S1_at	UP	1.6993326	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa
LOC785419	Bt.11647.1.A1_at	UP	1.5763803	similar to Upstream-binding protein 1 (LBP-1)
CCNC	Bt.5852.1.A1_at	UP	1.6998553	cyclin C
LUC7L	Bt.13181.9.S1_at	UP	1.6900978	LUC7-like (S. cerevisiae)
PRMT5	Bt.16112.1.S1_at	UP	1.3709168	protein arginine methyltransferase 5
DDIT4	Bt.2091.1.S1_at	UP	1.8474882	DNA-damage-inducible transcript 4
TMEM219	Bt.2648.1.S1_at	UP	1.5927407	transmembrane protein 219
NUBP2	Bt.2198.1.S1_at	UP	1.984731	nucleotide binding protein 2 (MinD homolog, E. coli)
FEM1A	Bt.6991.1.S1_at	UP	1.5642976	fem-1 homolog a (C. elegans)
LOC613525	Bt.7358.1.S1_at	UP	1.6796747	similar to Selenoprotein H
GNA12	Bt.9530.1.S1_at	UP	1.5264839	guanine nucleotide binding protein (G protein) alpha 12
	Bt.1670.1.A1_at	UP	1.8013575	
LOC525138	Bt.2552.1.S1_at	UP	1.4242511	similar to CG3337-PA
SFRS6	Bt.11102.1.A1_at	UP	1.8110707	splicing factor, arginine/serine-rich 6
SLC29A1	Bt.21770.1.S1_at	UP	2.8439715	solute carrier family 29 (nucleoside transporters), member 1
	Bt.7342.1.S1_at	UP	1.9490751	
LOC505800	Bt.7013.1.S1_at	UP	2.8066235	similar to Interleukin-32 precursor (IL-32) (Natural killer cells protein 4) (Tumor necrosis factor alpha-inducing factor)
	Bt.15782.1.S1_at	UP	2.0913396	
CCNL2	Bt.12366.1.S1_at	UP	1.6886573	cyclin L2
	Bt.23615.1.S1_at	UP	1.5499878	
EIF2B2	Bt.3050.1.S1_at	UP	1.3579271	eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa
DNAJA1	Bt.3274.1.A2_at	UP	1.4777972	DnaJ (Hsp40) homolog, subfamily A, member 1
NASP	Bt.6679.1.S1_at	UP	1.9437722	nuclear autoantigenic sperm protein (histone-binding)
LOC100125763	Bt.3780.1.S1_at	UP	4.4803085	neuronal protein 3.1
DKC1	Bt.12564.1.S1_at	UP	1.8736491	dyskeratosis congenita 1, dyskerin
SFT2D1	Bt.1085.1.S1_at	UP	1.4349494	SFT2 domain containing 1
MCM3	Bt.11129.1.S1_at	UP	1.7082218	minichromosome maintenance complex component 3
LOC506470	Bt.13314.1.S1_at	UP	2.2775414	similar to Transcription factor COE4 (Early B-cell factor 4) (EBF-4) (Olf-1/EBF-like 4) (OE-4) (O/E-4)
LOC768237	Bt.13315.1.S1_at	UP	5.6021423	hypothetical protein LOC768237
	Bt.13851.1.S1_at	UP	2.1086943	
MSH2	Bt.635.1.S1_at	UP	1.5750893	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)
PSMB2	Bt.1290.1.A1_a_at	UP	1.5042207	proteasome (prosome, macropain) subunit, beta type, 2
DUSP11	Bt.13589.1.A1_at	UP	1.3715112	dual specificity phosphatase 11
	Bt.9105.1.S1_at	UP	1.3968799	
LOC511903	Bt.4228.1.S1_at	UP	1.3880587	similar to CG14977-PA
RNF187	Bt.20098.1.S1_at	UP	1.7299609	ring finger protein 187
HSPA9	Bt.6063.1.S1_at	UP	1.5296829	Heat shock 70kDa protein 9 (mortalin)
PPIH	Bt.6641.1.S1_at	UP	1.6378967	peptidylprolyl isomerase H (cyclophilin H)
AURKAIP1	Bt.13327.1.S1_at	UP	1.6947865	aurora kinase A interacting protein 1
NFS1	Bt.22382.1.S1_at	UP	1.4480665	NFS1 nitrogen fixation 1 homolog (S. cerevisiae)

FtsJD2	Bt.20189.1.S1_at	UP	1.6446375	FtsJ methyltransferase domain containing 2
JTV1	Bt.12468.1.S1_at	UP	1.5584229	JTV1 gene
ABCC3	Bt.9593.1.S1_at	UP	2.4754064	ATP-binding cassette, sub-family C (CFTR/MRP), member 3
TP53BP1	Bt.4964.1.S1_at	UP	1.6057825	tumor protein p53 binding protein 1
MRPS16	Bt.7143.1.S1_at	UP	1.6115762	mitochondrial ribosomal protein S16
MRPS17	Bt.6390.1.S1_at	UP	1.3294234	mitochondrial ribosomal protein S17
LOC789163	Bt.23131.1.S1_s.at	UP	1.656522	hypothetical LOC789163
RCAN1	Bt.6377.1.S1_at	UP	1.6747171	regulator of calcineurin 1
C23H6orf130	Bt.13401.1.S1_at	UP	1.7445316	chromosome 6 open reading frame 130 ortholog
C13H20orf4	Bt.7666.1.S1_at	UP	2.0155602	chromosome 20 open reading frame 4 ortholog
CDCA7	Bt.6441.1.S1_at	UP	3.5500731	cell division cycle associated 7
FASTKD5	Bt.7257.1.S1_at	UP	1.6125729	FAST kinase domains 5
	Bt.28325.1.S1_at	UP	2.004356	
	Bt.13865.1.A1_at	UP	1.4474924	
GAMT				guanidinoacetate N-methyltransferase
LOC513273	Bt.1520.1.S1_at	UP	2.0268452	similar to Williams-Beuren syndrome chromosomal region 16 protein (ROCC-like G exchanging factor-like protein)
FYN	Bt.2359.1.A1_at	UP	6.5189686	FYN oncogene related to SRC, FGR, YES
LOC100138653	Bt.1136.1.S1_at	UP	1.279928	similar to Zinc finger protein 329
BMS1	Bt.8713.1.S1_at	UP	1.3977071	BMS1 homolog, ribosome assembly protein (yeast)
FUSIP1	Bt.1082.1.A1_at	UP	1.9301678	FUS interacting protein (serine/arginine-rich) 1
MCEE	Bt.16108.1.A1_at	UP	2.4226897	methylmalonyl CoA epimerase
STMN1	Bt.3137.1.S1_at	UP	2.4127479	stathmin 1
MAT2A	Bt.7995.1.S1_at	UP	1.5674399	methionine adenosyltransferase II, alpha
SSLP-1	Bt.9985.1.S1_at	UP	9.855763	secreted seminal vesicle Ly-6 protein 1
SAMM50	Bt.1696.1.S1_at	UP	1.438711	sorting and assembly machinery component 50 homolog
MCM7	Bt.4791.1.S1_at	UP	1.6476492	minichromosome maintenance complex component 7
PCNA	Bt.13480.1.S1_at	UP	1.5933071	proliferating cell nuclear antigen
GLT25D1	Bt.13351.1.S1_at	UP	1.6590285	glycosyltransferase 25 domain containing 1
C1R	Bt.8803.1.A1_at	UP	1.8799844	complement component 1, r subcomponent
TSKU	Bt.10688.1.S1_at	UP	1.9196978	tsukushin
IMMT	Bt.3605.1.S1_at	UP	1.2601885	inner membrane protein, mitochondrial (mitofilin)
TDGF1	Bt.22336.1.A1_at	UP	8.935257	teratocarcinoma-derived growth factor 1
IMP4	Bt.5241.1.S1_at	UP	1.6219687	IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast)
TSPAN14	Bt.9201.1.A1_at	UP	1.5681993	tetraspanin 14
PTTG1	Bt.3756.1.A1_at	UP	1.3142416	pituitary tumor-transforming 1
LOC100140583	Bt.4495.1.S1_at	UP	3.633967	similar to OVARIAN/Breast septin gamma
HEBP1	Bt.5047.1.S1_at	UP	2.0881975	heme binding protein 1
CASP6	Bt.20113.1.S1_at	UP	1.7628071	caspase 6, apoptosis-related cysteine peptidase
TMEM120A	Bt.7955.2.S1_at	UP	2.186105	transmembrane protein 120A
PMM1	Bt.21911.1.S1_at	UP	2.709263	phosphomannomutase 1
FBL	Bt.15722.1.S1_at	UP	1.502426	fibrillarlin
INTS9	Bt.10068.1.S1_at	UP	2.0041971	integrator complex subunit 9
DDX27	Bt.2644.1.S1_at	UP	1.2700701	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27
SLC38A2	Bt.9238.1.S1_at	UP	1.9375252	solute carrier family 38, member 2
EIF4E2	Bt.2249.1.S1_at	UP	1.2245334	eukaryotic translation initiation factor 4E family member 2
	Bt.28335.1.A1_at	UP	3.8291225	
	Bt.21435.1.S1_at	UP	1.4754708	
STOML2	Bt.6064.1.S1_at	UP	1.6747463	stomatin (EPB72)-like 2
BAT4	Bt.4661.1.S1_at	UP	1.3459373	HLA-B associated transcript 4
CDK4	Bt.16815.1.S1_at	UP	2.0858953	cyclin-dependent kinase 4
SNRNP25	Bt.721.1.A1_at	UP	1.9464538	small nuclear ribonucleoprotein 25kDa (U11/U12)
ABCG1	Bt.3193.1.A1_at	UP	1.1607457	ATP-binding cassette, sub-family G (WHITE), member 1
PSMD6	Bt.8106.1.S1_at	UP	16.34494	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6
NID1	Bt.13700.1.S1_at	UP	1.3185058	nidogen 1
BCAS2	Bt.5089.1.S3_at	UP	1.764405	breast carcinoma amplified sequence 2
H3F3A	Bt.11457.1.S1_at	UP	1.3560779	H3 histone, family 3A
ITPA	Bt.4883.1.S1_at	UP	2.1413379	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)
PHLDB1	Bt.22471.1.S1_at	UP	1.6330218	pleckstrin homology-like domain, family B, member 1
PHF5A	Bt.2561.1.S1_at	UP	1.6244917	PHD finger protein 5A
ADH5	Bt.4118.1.A1_at	UP	1.5147548	alcohol dehydrogenase 5 (class III), chi polypeptide
TRAP1	Bt.4198.1.S1_at	UP	1.6852653	TNF receptor-associated protein 1
DTYMK	Bt.2936.1.S1_at	UP	2.1243603	deoxythymidylate kinase (thymidylate kinase)
GTF2A2	Bt.22545.2.S1_at	UP	3.2305727	general transcription factor IIA, 2, 12kDa
ERC1	Bt.18776.1.S1_at	UP	1.7625037	ELKS/RAB6-interacting/CAST family member 1
KIAA0101	Bt.8206.1.S1_at	UP	1.3066823	KIAA0101 protein
SFRS7	Bt.9643.1.S1_at	UP	1.9387282	splicing factor, arginine/serine-rich 7, 35kDa
CHP	Bt.4666.1.A1_at	UP	1.3130031	calcium binding protein P22
SF3A3	Bt.7575.1.A1_at	UP	4.511893	splicing factor 3a, subunit 3, 60kDa
GPT2	Bt.13876.1.A1_at	UP	1.254849	Glutamic pyruvate transaminase (alanine aminotransferase) 2
TCEA1	Bt.23509.2.A1_at	UP	1.4429096	transcription elongation factor A (SID), 1
	Bt.7366.1.S1_at	UP	1.7646858	
AOF2	Bt.4642.1.A1_at	UP	1.4357835	Amine oxidase (flavin containing) domain 2
ISCA1	Bt.13702.1.S1_at	UP	4.974807	iron-sulfur cluster assembly 1 homolog (S. cerevisiae)
C13H20orf30	Bt.13402.1.S1_at	UP	1.3227295	chromosome 20 open reading frame 30 ortholog
METTL3	Bt.13303.1.A1_at	UP	1.7039852	methyltransferase like 3
TOMM5	Bt.16145.1.A1_at	UP	2.0036848	Translocase of outer mitochondrial membrane 5 homolog (yeast)
LOC618617	Bt.22224.1.S1_at	UP	1.726556	similar to Family with sequence similarity 100, member B
SAP18	Bt.1505.1.S1_at	UP	1.6032567	Sin3A-associated protein, 18kDa
MGC127133	Bt.28223.1.S1_at	UP	10.315417	20-beta-hydroxysteroid dehydrogenase-like
PECR	Bt.15781.1.A1_at	UP	2.677554	peroxisomal trans-2-enoyl-CoA reductase
TSEN34	Bt.23098.2.S1_at	UP	1.456308	tRNA splicing endonuclease 34 homolog (S. cerevisiae)
FARSB	Bt.27148.1.S1_at	UP	1.2204016	phenylalanyl-tRNA synthetase, beta subunit
	Bt.11187.1.S1_at	UP	2.0163002	
DCTPP1	Bt.12508.1.S1_at	UP	1.6978366	dCTP pyrophosphatase 1
POP5	Bt.10352.1.S1_at	UP	2.4418526	processing of precursor 5, ribonuclease P/MRP subunit (S. cerevisiae)
STAT1	Bt.9064.1.S1_at	UP	1.7634648	signal transducer and activator of transcription 1, 91kDa
EXOSC4	Bt.16597.1.S1_at	UP	1.6314216	exosome component 4
LOC514296	Bt.8874.1.S1_at	UP	1.749703	similar to 5-nucleotidase domain containing 2
ALDH18A1	Bt.3277.1.S1_at	UP	1.6077918	aldehyde dehydrogenase 18 family, member A1
	Bt.11496.1.S1_at	UP	3.561374	
CYP1A1	Bt.13772.1.A1_at	UP	2.811014	Cytochrome P450, subfamily I (aromatic compound-inducible),
LOC538561	Bt.11492.1.A1_at	UP	2.1690063	similar to meningioma expressed antigen 5 (hyaluronidase)
TMEM8	Bt.24688.1.S1_at	UP	8.818673	transmembrane protein 8 (five membrane-spanning domains)
	Bt.14211.1.A1_at	UP	1.3159235	
KCTD20	Bt.12692.1.A1_at	UP	1.3763425	potassium channel tetramerization domain containing 20
PTS	Bt.18637.1.A1_at	UP	1.4369919	6-pyrrovyltetrahydropterin synthase
SNAPC1	Bt.16401.1.A1_at	UP	1.5585024	small nuclear RNA activating complex, polypeptide 1, 43kDa
				dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)
DCI	Bt.13530.1.S1_at	UP	1.7618824	replication factor C (activator 1) 4, 37kDa
RFC4	Bt.13925.1.S1_at	UP	1.5387818	histidyl-tRNA synthetase
HARS	Bt.7903.1.A1_at	UP	1.4697968	
	Bt.13778.1.A1_at	UP	1.8358186	
TEX9	Bt.16460.1.A1_at	UP	4.07946	Testis expressed 9
FXYD6	Bt.5369.1.S1_at	UP	2.3396804	FXYD domain containing ion transport regulator 6
ID2	Bt.2415.1.S1_at	UP	4.196006	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein

PPAN-P2RY11	Bt.3593.1.S1_at	UP	1.7596549	PPAN-P2RY11 readthrough transcript
C21H14orf147	Bt.3001.1.S1_at	UP	2.6371648	chromosome 14 open reading frame 147 ortholog
TMEM93	Bt.23600.1.S1_at	UP	1.2858622	transmembrane protein 93
PSMB3	Bt.7644.1.S1_at	UP	1.373538	proteasome (prosome, macropain) subunit, beta type, 3
CIAPIN1	Bt.11411.1.S1_at	UP	1.8091376	cytokine induced apoptosis inhibitor 1
PDHB	Bt.2973.2.S1_a_at	UP	1.336804	pyruvate dehydrogenase (lipoamide) beta
RSL1D1	Bt.4815.1.S1_at	UP	1.5680147	ribosomal L1 domain containing 1
PITPNB	Bt.9969.1.S1_at	UP	1.7850909	phosphatidylinositol transfer protein, beta
EAF1	Bt.6117.1.S1_at	UP	1.335074	ELL associated factor 1
C8H9orf23	Bt.20332.1.S1_at	UP	1.6008909	chromosome 9 open reading frame 23 ortholog
TIMM8A	Bt.7266.1.S1_at	UP	1.6902971	translocase of inner mitochondrial membrane 8 homolog A (yeast)
POLR1C	Bt.26716.3.A1_a_at	UP	2.4607031	polymerase (RNA) I polypeptide C, 30kDa
LOC530070	Bt.15909.1.S1_at	UP	1.3145446	hypothetical protein LOC530070
SH3GLB1	Bt.21272.1.S1_at	UP	1.565942	SH3-domain GRB2-like endophilin B1
B9D2	Bt.1960.1.S1_at	UP	2.279389	B9 protein domain 2
RBM8A	Bt.6706.1.S1_at	UP	1.2273777	RNA binding motif protein 8A
	Bt.15868.1.S1_at	UP	2.1135645	
PITX2	Bt.21215.1.A1_at	UP	1.9238971	paired-like homeodomain 2
SRP9	Bt.11189.1.S1_at	UP	1.3018516	Signal recognition particle 9kDa
MAP1LC3B	Bt.6774.1.S1_at	UP	2.280614	microtubule-associated protein 1 light chain 3 beta
TTC27	Bt.1200.2.A1_a_at	UP	1.7583462	tetratricopeptide repeat domain 27
GRAMD1C	Bt.9185.1.A1_at	UP	2.079163	GRAM domain containing 1C
DLG5	Bt.7869.1.A1_at	UP	1.3962783	discs, large homolog 5 (Drosophila)
WDR77	Bt.9147.1.A1_at	UP	1.6326619	WD repeat domain 77
WDFY2	Bt.21456.1.S1_at	UP	3.5908237	WD repeat and FYVE domain containing 2
	Bt.17090.1.S1_at	UP	3.5778708	
	Bt.3532.1.A1_at	UP	8.087281	
C1H21ORF59	Bt.22503.1.A1_at	UP	2.0229716	chromosome 21 open reading frame 59 ortholog
HNRPDL	Bt.23277.1.A1_at	UP	2.519394	heterogeneous nuclear ribonucleoprotein D-like
	Bt.22190.1.S1_at	UP	1.531252	
ISG20L2	Bt.29920.1.S1_at	UP	1.7944331	interferon stimulated exonuclease gene 20kDa-like 2
RWDD1	Bt.752.1.S1_a_at	UP	1.6444951	RWD domain containing 1
USP10	Bt.27346.1.S1_at	UP	1.5542111	ubiquitin specific peptidase 10
ZCCHC3	Bt.923.1.A1_at	UP	1.6198201	zinc finger, CCHC domain containing 3
PPP2R2B	Bt.19661.1.S1_at	UP	4.6069303	protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform
GLRX5	Bt.11167.1.S1_at	UP	1.3445051	glutaredoxin 5
NUP35	Bt.25158.1.S1_at	UP	1.6279176	nucleoporin 35kDa
PTDSS1	Bt.17659.1.S1_at	UP	2.4341025	phosphatidylserine synthase 1
TAF9	Bt.1121.1.S1_at	UP	1.2666305	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa
LMO2	Bt.17081.1.A1_at	UP	2.4516902	LIM domain only 2 (rhombotin-like 1)
	Bt.11500.1.A1_at	UP	4.485529	
TMC4	Bt.20401.1.A1_at	UP	1.9989138	transmembrane channel-like 4
SIAE	Bt.7116.1.A1_at	UP	1.4272804	sialic acid acetyltransferase
MGC152190	Bt.9205.1.A1_at	UP	1.2721839	hypothetical LOC509253
DNAJC22	Bt.13617.2.S1_a_at	UP	1.8018727	DnaJ (Hsp40) homolog, subfamily C, member 22
LOC617407	Bt.9676.1.S1_a_at	UP	1.359811	hypothetical protein LOC617407
DUT	Bt.11936.1.S1_a_at	UP	1.4438233	deoxyuridine triphosphatase
DUT	Bt.11936.1.S1_at	UP	1.5060949	deoxyuridine triphosphatase
SF3B5	Bt.4949.1.S1_at	UP	1.5893092	splicing factor 3b, subunit 5, 10kDa
CIDEB	Bt.21648.1.S1_a_at	UP	6.4476223	cell death-inducing DFFA-like effector b
CIDEB	Bt.21648.1.S1_at	UP	6.710777	cell death-inducing DFFA-like effector b
SFRS4	Bt.28464.1.S1_at	UP	1.4463471	splicing factor, arginine/serine-rich 4
CSR2BP	Bt.15770.1.S1_at	UP	1.3768644	CSR2 binding protein
TRM112L	Bt.7135.1.S1_at	UP	1.5279756	TRM112-like
PYCR2	Bt.7679.1.S1_at	UP	1.5388379	pyrroline-5-carboxylate reductase family, member 2
EBNA1BP2	Bt.11352.1.S1_a_at	UP	1.6323677	EBNA1 binding protein 2
EBNA1BP2	Bt.11352.1.S1_at	UP	1.6114339	EBNA1 binding protein 2
	Bt.24252.1.S1_at	UP	2.0897758	
	Bt.8322.1.S1_at	UP	1.8630561	
IK	Bt.4443.1.S1_a_at	UP	1.3170017	IK cytokine
DNAJC17	Bt.15818.1.S1_at	UP	1.3697075	DnaJ (Hsp40) homolog, subfamily C, member 17
NSMCE1	Bt.7120.1.S1_a_at	UP	1.4474869	non-SMC element 1 homolog (S. cerevisiae)
ELP2	Bt.1205.1.A1_at	UP	1.583792	elongation protein 2 homolog (S. cerevisiae)
PMP22	Bt.22534.1.S1_at	UP	1.8333849	peripheral myelin protein 22
CDH17	Bt.28258.1.S1_at	UP	5.74604	cadherin 17, LI cadherin (liver-intestine)
RUFY1	Bt.2505.1.S1_at	UP	2.354349	RUN and FYVE domain containing 1
HNRPDL	Bt.23277.3.S1_a_at	UP	1.3369923	heterogeneous nuclear ribonucleoprotein D-like
UBAP2L	Bt.23627.1.S1_at	UP	1.5965846	ubiquitin associated protein 2-like
TSEN2	Bt.5839.1.S1_at	UP	1.6740707	tRNA splicing endonuclease 2 homolog (S. cerevisiae)
FITM2	Bt.28035.1.S1_at	UP	1.8269767	fat storage-inducing transmembrane protein 2
NSL1	Bt.20677.1.S1_at	UP	1.4404109	NSL1, MIND kinetochore complex component, homolog (S. cerevisiae)
SARNP	Bt.3079.1.S1_at	UP	1.2860385	SAP domain containing ribonucleoprotein
	Bt.16100.1.S1_at	UP	2.1376193	
NXT1	Bt.9091.1.S1_at	UP	1.3990885	NTF2-like export factor 1
FAM44B /// LOC781944	Bt.6432.1.S1_at	UP	1.5207752	family with sequence similarity 44, member B /// similar to family with sequence similarity 44, member B
	Bt.21981.1.A1_at	UP	3.1886907	
YTHDF1	Bt.19375.1.S1_at	UP	1.5731628	YTH domain family, member 1
LOC524159	Bt.9500.1.S1_a_at	UP	1.7944156	similar to F11C1.5a
KDM5B	Bt.20347.1.S1_at	UP	1.9289597	lysine (K)-specific demethylase 5B
C5H12orf32	Bt.10610.1.S1_at	UP	1.9997942	chromosome 12 open reading frame 32 ortholog
DDX23	Bt.14027.1.S1_at	UP	1.2218932	DEAD (Asp-Glu-Ala-Asp) box polypeptide 23
COQ3	Bt.19692.1.S1_at	UP	1.5590804	coenzyme Q3 homolog, methyltransferase (S. cerevisiae)
PFKM	Bt.2347.3.S1_a_at	UP	3.4059148	phosphofructokinase, muscle
PFKM	Bt.2347.1.S1_at	UP	2.7325304	phosphofructokinase, muscle
LOC512933	Bt.17158.1.S1_at	UP	2.3059623	similar to Uncharacterized protein KIAA0753
TTL1	Bt.3125.1.S1_at	UP	2.033784	tubulin tyrosine ligase-like family, member 1
IL6R	Bt.22692.1.A1_at	UP	3.096764	interleukin 6 receptor
ALG1	Bt.15721.1.A1_at	UP	1.655438	asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog (S. cerevisiae)
PRSS16	Bt.20523.1.S1_at	UP	2.9293916	protease, serine, 16 (thymus)
IL6ST	Bt.5705.1.S1_at	UP	3.2519379	Interleukin 6 signal transducer (gp130, oncostatin M receptor)
ARFGAP3	Bt.6257.1.S1_at	UP	1.6985236	ADP-ribosylation factor GTPase activating protein 3
ABAT	Bt.14570.1.A1_at	UP	1.8934942	4-aminobutyrate aminotransferase
	Bt.23203.1.S1_at	UP	1.9530532	
	Bt.12453.1.A1_a_at	UP	7.278171	
	Bt.12453.1.A1_at	UP	6.0078907	
	Bt.20618.1.A1_at	UP	2.1981673	
LSM7	Bt.21871.1.S1_a_at	UP	1.7002559	LSM7 homolog, U6 small nuclear RNA associated (S. cerevisiae)
TACC1	Bt.8220.1.A1_at	UP	1.3385154	Transforming, acidic coiled-coil containing protein 1
	Bt.28318.1.A1_at	UP	1.6875036	
SULF2	Bt.13637.1.A1_at	UP	1.725972	Sulfatase 2
	Bt.27039.1.A1_at	UP	3.1338956	
MFSD2	Bt.27274.1.A1_at	UP	1.3402953	major facilitator superfamily domain containing 2

	Bt.22613.1.A1_at	UP	1.6945671	
MYO5C	Bt.16088.1.A1_at	UP	1.79454	myosin VC
GNG11	Bt.2988.1.S1_at	UP	2.3416321	guanine nucleotide binding protein (G protein), gamma 11
LOC617104	Bt.9210.1.S1_at	UP	1.6115692	growth and transformation-dependent protein
MRPS18B	Bt.3811.1.S1_at	UP	1.2330257	mitochondrial ribosomal protein S18B
	Bt.28267.1.S1_at	UP	2.0227935	
C3H1orf77	Bt.1342.1.S1_at	UP	1.3570596	chromosome 1 open reading frame 77 ortholog
NBAS	Bt.21110.1.S1_at	UP	2.024458	neuroblastoma amplified sequence
AMZ2	Bt.4323.2.S1_a_at	UP	1.1905993	archaeolysin family metalloproteinase 2
GTPBP3	Bt.13697.1.S1_a_at	UP	1.4359097	GTP binding protein 3 (mitochondrial)
CROP	Bt.4874.2.S1_a_at	UP	1.453484	cisplatin resistance-associated overexpressed protein
	Bt.7058.1.S1_at	UP	1.653006	
	Bt.24660.1.S1_at	UP	1.3043379	
MRPL52	Bt.9430.1.S1_at	UP	1.4119537	mitochondrial ribosomal protein L52
SEMA6B	Bt.23088.1.S1_at	UP	1.3415504	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B
CDC42EP3	Bt.1560.1.S1_at	UP	1.8415288	CDC42 effector protein (Rho GTPase binding) 3
FAM53C	Bt.9753.1.S1_at	UP	1.5333432	family with sequence similarity 53, member C
ME2	Bt.6984.2.S1_a_at	UP	2.3537838	malic enzyme 2, NAD(+)-dependent, mitochondrial
STEAP3	Bt.13278.1.S1_at	UP	2.2126856	STEAP family member 3
LOC505131	Bt.8272.1.S1_at	UP	1.3996472	Hypothetical LOC505131
CUL1	Bt.6490.1.S1_at	UP	1.1241643	cullin 1
	Bt.2501.1.S1_at	UP	2.8504274	
CCDC137	Bt.21940.1.S1_at	UP	1.2909693	coiled-coil domain containing 137
EIF1B	Bt.13311.1.S1_at	UP	1.3702527	eukaryotic translation initiation factor 1B
MAGEF1	Bt.6114.1.S1_at	UP	2.1357899	melanoma antigen family F, 1
C20orf111	Bt.13441.1.S1_at	UP	1.2849559	hypothetical protein LOC510457
DKKL1	Bt.2886.1.S1_at	UP	3.0726943	dickkopf-like 1 (soggy)
AHCYL2	Bt.20733.1.S1_at	UP	4.3150105	S-adenosylhomocysteine hydrolase-like 2
	Bt.21286.1.S1_at	UP	3.755101	
VPS53	Bt.13360.1.S1_at	UP	1.4309369	vacuolar protein sorting 53 homolog (S. cerevisiae)
SRPK1	Bt.20585.1.S1_at	UP	1.6640022	SFRS protein kinase 1
	Bt.4702.1.S1_at	UP	2.0113118	
CBX6	Bt.13458.1.S1_at	UP	1.8309569	Chromobox homolog 6
	Bt.7041.1.S1_at	UP	3.4804194	
F2RL1	Bt.28745.1.S1_at	UP	1.5019407	Coagulation factor II (thrombin) receptor-like 1
	Bt.15883.1.S1_at	UP	1.9786718	
BRPF1	Bt.27355.1.S1_at	UP	1.475595	bromodomain and PHD finger containing, 1
RNF44	Bt.6313.1.S1_at	UP	2.3211555	ring finger protein 44
EDN3	Bt.26462.1.S1_at	UP	5.802927	endothelin 3
RANBP10	Bt.6371.1.S1_a_at	UP	1.4408026	RAN binding protein 10
RANBP10	Bt.6371.1.S1_at	UP	1.6296778	RAN binding protein 10
PPP1R10	Bt.27784.2.S1_a_at	UP	2.5630527	protein phosphatase 1, regulatory (inhibitor) subunit 10
	Bt.22140.1.S1_at	UP	2.0626419	
	Bt.9345.1.S1_at	UP	1.4136077	
CETN3	Bt.19601.1.S1_at	UP	2.2980263	centrin, EF-hand protein, 3 (CDC31 homolog, yeast)
ZNF503	Bt.11276.1.A1_at	UP	4.965764	zinc finger protein 503
	Bt.4005.1.S1_at	UP	2.3371425	
CRYM	Bt.2913.1.A1_at	UP	1.9567337	crystallin, mu
	Bt.24843.1.A1_at	UP	1.3833747	
MMD	Bt.615.1.S1_at	UP	3.8467174	monocyte to macrophage differentiation-associated
NLE1	Bt.22388.1.S1_at	UP	1.8199674	notchless homolog 1 (Drosophila)
	Bt.28144.1.S1_at	UP	2.2980251	
UNG	Bt.11128.1.S1_at	UP	2.5312994	uracil-DNA glycosylase
LOC532427	Bt.20505.1.S1_at	UP	1.4172254	similar to tigger transposable element derived 2
CLNS1A	Bt.25002.1.S1_at	UP	1.3354659	chloride channel, nucleotide-sensitive, 1A
	Bt.20257.1.S1_at	UP	1.7422854	
SART1	Bt.13807.1.S1_at	UP	2.0240135	squamous cell carcinoma antigen recognized by T cells
CES3	Bt.21078.1.A1_at	UP	2.1322465	carboxylesterase 3
	Bt.19639.1.S1_at	UP	1.9163033	
	Bt.23230.1.S1_at	UP	1.7602364	
IARS	Bt.3447.1.S1_at	UP	1.5474236	isoleucyl-tRNA synthetase
	Bt.996.1.S1_at	UP	5.952959	
	Bt.1915.1.S1_at	UP	1.716939	
ZNF830	Bt.27276.1.A1_at	UP	1.5203851	zinc finger protein 830
GFM2	Bt.22723.1.A1_at	UP	1.7451711	G elongation factor, mitochondrial 2
	Bt.13526.1.S1_at	UP	1.4039025	
CUL4B	Bt.9176.1.A1_at	UP	1.6232375	cullin 4B
SSR3	Bt.20637.1.S1_at	UP	1.510184	Signal sequence receptor, gamma (translocon-associated protein
HLTF	Bt.19519.1.S1_at	UP	2.0880294	Helicase-like transcription factor
	Bt.23631.1.S1_at	UP	1.444667	similar to Zinc finger protein 281 (Zinc finger DNA-binding protein 99)
LOC532401				(Transcription factor ZBP-99) (GC-box-binding zinc finger protein 1)
	Bt.13355.1.S1_at	UP	2.2271605	
NUP43	Bt.24223.1.S1_at	UP	1.423636	Nucleoporin 43kDa
	Bt.20139.1.S1_at	UP	1.8130877	
MLLT1	Bt.13347.1.S1_at	UP	1.9994898	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1
MAP7D3	Bt.27177.1.A1_at	UP	2.8026137	MAP7 domain containing 3
	Bt.1686.1.A1_at	UP	1.42426	
CBR3	Bt.22496.1.S1_at	UP	6.0675726	carbonyl reductase 3
REEP4	Bt.20485.1.S1_at	UP	3.5616713	receptor accessory protein 4
C22H3ORF63	Bt.25054.1.A1_at	UP	2.044805	chromosome 3 open reading frame 63 ortholog
	Bt.3140.1.A1_at	UP	2.5236712	
METT10D	Bt.16922.1.A1_at	UP	1.4317652	methyltransferase 10 domain containing
LARP7	Bt.18573.1.S1_at	UP	1.6900346	La ribonucleoprotein domain family, member 7
APLF	Bt.18866.1.A1_at	UP	1.3543603	aprataxin and PNKP like factor
DHX29	Bt.16528.1.A1_at	UP	1.2797269	DEAH (Asp-Glu-Ala-His) box polypeptide 29
TMEM143	Bt.6577.1.S1_at	UP	1.6636043	transmembrane protein 143
ACTR6	Bt.17809.1.A1_at	UP	1.3346105	ARP6 actin-related protein 6 homolog (yeast)
LOC618274	Bt.6369.1.A1_a_at	UP	1.8365868	similar to solute carrier family 16, member 11
DEPDC7	Bt.19483.1.A1_at	UP	1.6954674	DEP domain containing 7
ORC1L	Bt.2111.1.S1_a_at	UP	2.9556284	origin recognition complex, subunit 1-like (yeast)
GPR116	Bt.14566.1.A1_at	UP	3.620243	G protein-coupled receptor 116
	Bt.28164.1.A1_at	UP	7.2874084	
C16H1orf156	Bt.22463.1.A1_at	UP	1.5975192	chromosome 1 open reading frame 156 ortholog
	Bt.26958.1.A1_at	UP	2.2782083	
	Bt.18428.1.A1_at	UP	3.5334039	
	Bt.19737.1.A1_at	UP	2.1325088	
C13H20ORF7	Bt.22054.2.S1_a_at	UP	1.6605676	chromosome 20 open reading frame 7 ortholog
CETN4	Bt.2882.1.A1_at	UP	3.1461852	centrin 4
PDS2	Bt.18477.1.A1_at	UP	1.6391073	prenyl (decaprenyl) diphosphate synthase, subunit 2
GRPEL2	Bt.18899.1.A1_at	UP	1.7013105	GrpE-like 2, mitochondrial (E. coli)
CCDC115	Bt.8003.1.A1_at	UP	1.9252259	coiled-coil domain containing 115
LOC783344	Bt.18144.1.A1_at	UP	1.2862105	similar to armadillo repeat containing, X-linked 5
AMPH	Bt.2233.1.A1_at	UP	2.8837855	Amphiphysin

MLYCD	Bt.18079.1.A1_at	UP	2.5979693	Malonyl-CoA decarboxylase
SLCO4A1	Bt.27240.1.A1_at	UP	3.4770334	Solute carrier organic anion transporter family, member 4A1
LOC532409	Bt.11711.1.A1_at	UP	2.5189219	similar to high-mobility group box 3
LOC783914	Bt.10952.1.A1_at	UP	1.5677992	similar to transducin-like enhancer of split 6 (Esp1) homolog,
	Bt.6376.1.A1_at	UP	2.1989634	
	Bt.13521.1.A1_at	UP	1.8748608	
RIOK2	Bt.19348.1.A1_at	UP	1.4757959	RIO kinase 2 (yeast)
WDR19	Bt.19838.1.A1_at	UP	1.4514095	WD repeat domain 19
	Bt.992.1.A1_at	UP	2.2531116	
ZNHIT1	Bt.15946.1.S1_at	UP	2.2828336	zinc finger, HIT type 1
ARF5	Bt.26666.1.S1_at	UP	1.6820202	ADP-ribosylation factor 5
				similar to Transcription factor E2-alpha (Immunoglobulin enhancer-binding factor E12/E47) (Transcription factor 3) (TCF-3) (Immunoglobulin transcription factor 1) (Transcription factor ITF-1) (Kappa-E2-binding factor)
TCF3	Bt.3789.1.S1_at	UP	1.9602183	ERGIC and golgi 3
ERGIC3	Bt.8905.1.S1_at	UP	1.3304402	replication factor C (activator 1) 2, 40kDa
RFC2	Bt.4114.1.S1_at	UP	1.7763528	caspace 3, apoptosis-related cysteine peptidase
CASP3	Bt.10084.1.S1_at	UP	2.4637246	
	Bt.20413.1.S1_at	UP	1.7341127	
ZMIZ2	Bt.4755.1.S1_at	UP	2.6897492	zinc finger, MIZ-type containing 2
FAM118B	Bt.21568.1.S1_at	UP	1.5472679	family with sequence similarity 118, member B
FNBP1	Bt.10381.1.S1_at	UP	2.823384	formin binding protein 1
OBTP	Bt.23405.1.S1_at	UP	1.2513032	overexpressed breast tumor protein homolog
TRIM27	Bt.21774.1.S1_at	UP	1.5745335	Tripartite motif-containing 27
EXT1	Bt.19542.1.S1_at	UP	2.877786	exostoses (multiple) 1
STK24	Bt.29914.1.S1_at	UP	2.0013094	serine/threonine kinase 24 (STE20 homolog, yeast)
C16orf80	Bt.2889.1.S1_at	UP	1.4545451	chromosome 16 open reading frame 80
CCDC127	Bt.3386.1.S1_at	UP	1.3916249	coiled-coil domain containing 127
BRD7	Bt.3135.1.A1_a_at	UP	1.2173593	bromodomain containing 7
GGT1 /// GGT5	Bt.24605.1.S1_at	UP	3.9316099	gamma-glutamyltransferase 1 /// gamma-glutamyltransferase 5
ILKAP	Bt.9418.1.S1_a_at	UP	1.6083893	integrin-linked kinase-associated serine/threonine phosphatase 2C
UNC119B	Bt.12558.1.S1_at	UP	2.0041788	unc-119 homolog B (C. elegans)
EIF2C1	Bt.26974.1.S1_at	UP	1.6343396	eukaryotic translation initiation factor 2C, 1
MED31	Bt.24579.1.S1_at	UP	1.7761447	mediator complex subunit 31
HABP4	Bt.20020.1.S1_at	UP	1.6010654	hyaluronan binding protein 4
CCRK	Bt.5277.1.S1_at	UP	1.8116493	cell cycle related kinase
FEZ1	Bt.5656.1.S1_at	UP	5.0772057	fasciculation and elongation protein zeta 1 (zygin I)
	Bt.21096.1.S1_at	UP	2.6643732	
EZH2	Bt.16094.1.S1_at	UP	1.5683306	enhancer of zeste homolog 2 (Drosophila)
NOL6	Bt.27242.1.S1_at	UP	1.3861189	nucleolar protein family 6 (RNA-associated)
	Bt.20773.1.S1_at	UP	3.9810312	
ARL3	Bt.2870.1.A1_at	UP	3.814927	ADP-ribosylation factor-like 3
	Bt.17613.1.A1_at	UP	1.7749941	
RPUSD3	Bt.23235.1.S1_at	UP	2.382326	RNA pseudouridylate synthase domain containing 3
DHX35	Bt.12552.1.S1_at	UP	1.4942209	DEAH (Asp-Glu-Ala-His) box polypeptide 35
THOC6	Bt.6689.1.S1_at	UP	1.4446324	THO complex 6 homolog (Drosophila)
UBE2E1	Bt.13684.1.S1_at	UP	1.5559998	ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast)
FBXO15	Bt.13624.1.S1_at	UP	2.8532233	F-box protein 15
SEPHS1	Bt.28749.1.S1_at	UP	1.31706	selenophosphate synthetase 1
LOC505828	Bt.24785.1.S1_at	UP	1.249928	similar to poly (ADP-ribose) polymerase family, member 2
	Bt.11938.1.A1_at	UP	2.357026	
CCDC86	Bt.26562.1.S1_at	UP	1.8397762	coiled-coil domain containing 86
RCL1	Bt.27964.1.A1_at	UP	1.7273178	RNA terminal phosphate cyclase-like 1
BBS2	Bt.10995.1.S1_at	UP	1.9951639	Bardet-Biedl syndrome 2
LOC505156	Bt.21222.1.S1_at	UP	2.2090993	KIAA0922-like
USP1	Bt.24095.1.A1_at	UP	1.6098744	Ubiquitin specific peptidase 1
RHOT1	Bt.18196.1.S1_at	UP	1.5075288	ras homolog gene family, member T1
LOC518469	Bt.12179.1.S1_at	UP	2.133688	similar to Putative glycerophosphodiester phosphodiesterase 5
	Bt.3292.1.S1_at	UP	47.035896	
	Bt.4930.1.S1_at	UP	1.1295862	
	Bt.27400.1.S1_at	UP	1.9665632	
KIAA1737	Bt.24248.1.S1_at	UP	2.7059023	KIAA1737
CHAF1A	Bt.27356.1.S1_at	UP	1.2407877	chromatin assembly factor 1, subunit A (p150)
MACF1	Bt.8682.1.S1_at	UP	2.841056	microtubule-actin crosslinking factor 1
LACTB	Bt.9076.1.S1_at	UP	1.6609304	lactamase, beta
	Bt.9096.1.S1_at	UP	1.9740862	
	Bt.29905.1.S1_at	UP	1.6621215	
	Bt.17282.1.S1_at	UP	1.4676052	
RPA3	Bt.10499.1.S1_at	UP	1.7484552	replication protein A3, 14kDa
DPH3	Bt.13929.1.A1_at	UP	1.9851077	DPH3, KTI11 homolog (S. cerevisiae)
	Bt.24867.1.S1_at	UP	1.8699982	
HDAC8	Bt.16128.1.S1_at	UP	2.4143689	histone deacetylase 8
	Bt.10102.1.A1_at	UP	1.9783213	
RPL26L1	Bt.19498.1.A1_a_at	UP	1.4094746	ribosomal protein L26-like 1
RFC3	Bt.16980.1.S1_at	UP	1.4934101	replication factor C (activator 1) 3, 38kDa
	Bt.27004.1.A1_at	UP	1.6593221	
LOC539385	Bt.692.1.S1_at	UP	1.8176515	hypothetical protein LOC539385
MATR3	Bt.24955.1.S1_at	UP	1.8851391	Matrin 3
CCAR1	Bt.27024.1.A1_at	UP	1.3003674	cell division cycle and apoptosis regulator 1
	Bt.11409.1.A1_a_at	UP	1.9470797	
LOC538506	Bt.10333.1.S1_at	UP	2.5731022	Similar to Genetic suppressor element 1
	Bt.6247.1.S1_at	UP	1.7870247	
MOBK12C	Bt.21903.1.S1_at	UP	1.729403	MOB1, Mps One Binder kinase activator-like 2C (yeast)
	Bt.4702.2.S1_at	UP	2.2680209	
RARS	Bt.22038.1.S1_a_at	UP	1.5728829	arginyl-tRNA synthetase
RARS	Bt.22038.1.S1_at	UP	1.7616596	arginyl-tRNA synthetase
	Bt.24759.1.S1_at	UP	2.705343	
JARID2	Bt.7008.1.S1_at	UP	1.990606	Jumonji, AT rich interactive domain 2
	Bt.26738.1.A1_at	UP	2.328279	
UBE2O	Bt.24878.1.A1_at	UP	1.9986509	ubiquitin-conjugating enzyme E2O
RBM28	Bt.24942.1.A1_at	UP	1.2925051	RNA binding motif protein 28
LARP7	Bt.25379.1.A1_at	UP	1.6085426	La ribonucleoprotein domain family, member 7
MELK	Bt.25834.1.A1_at	UP	1.2455302	maternal embryonic leucine zipper kinase
BCNT2	Bt.27010.1.A1_at	UP	3.2227411	bucentaur-2
	Bt.9179.1.A1_at	UP	1.9064983	
	Bt.23992.1.A1_at	UP	3.2023346	
STARD3NL	Bt.27269.1.A1_at	UP	3.060419	STARD3 N-terminal like
FOLH1	Bt.24705.1.A1_at	UP	2.1185687	folate hydrolase (prostate-specific membrane antigen) 1
PPP4R4	Bt.20430.1.A1_at	UP	2.5470974	protein phosphatase 4, regulatory subunit 4
LOC540962	Bt.22518.1.S1_a_at	UP	1.1862106	similar to QIL1 protein
SLC35E3	Bt.22480.1.A1_at	UP	1.4465314	solute carrier family 35, member E3
SRRP130	Bt.13549.2.S1_at	UP	2.1603444	splicing factor, arginine/serine-rich 130
	Bt.26748.1.A1_at	UP	1.5475202	
	Bt.21884.1.S1_at	UP	2.2939794	
LOC100140405	Bt.16639.1.A1_at	UP	1.8428041	similar to N-acetyltransferase 5

SPIN2	Bt.25214.1.A1_at	UP	1.4326072	spindlin family, member 2
BCL2L14	Bt.14657.1.A1_at	UP	2.8521655	Bcl2-like 14 (apoptosis facilitator)
SOX2	Bt.27419.1.S1_at	UP	4.6053004	SRY (sex determining region Y)-box 2
ZNF623	Bt.19898.1.A1_at	UP	1.6880527	zinc finger protein 623
MCM10	Bt.24216.1.A1_at	UP	7.8079386	
	Bt.16556.1.A1_at	UP	1.3479555	Minichromosome maintenance complex component 10
	Bt.13308.1.S1_at	UP	1.6088822	
TNKS2	Bt.3174.1.A1_at	UP	1.5031681	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2
UCK2	Bt.28506.1.A1_at	UP	3.8683407	uridine-cytidine kinase 2
RAD54B	Bt.27243.1.A1_s_at	UP	1.2789756	RAD54 homolog B (S. cerevisiae)
WNK2	Bt.21050.1.S1_at	UP	2.101583	WNK lysine deficient protein kinase 2
BTK	Bt.26060.1.A1_at	UP	3.3589234	Bruton agammaglobulinemia tyrosine kinase
	Bt.10458.1.A1_at	UP	3.8808365	
	Bt.24828.1.A1_at	UP	2.1117256	
TGS1	Bt.9299.1.A1_at	UP	1.4259862	Trimethylguanosine synthase homolog (S. cerevisiae)
PAXIP1	Bt.21228.1.A1_at	UP	1.3617877	PAX interacting (with transcription-activation domain) protein 1
	Bt.23660.1.A1_at	UP	2.3446681	
	Bt.24316.1.A1_at	UP	2.2321794	
	Bt.26313.1.A1_at	UP	1.7854419	
TAF1A	Bt.24493.1.A1_at	UP	1.9598426	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa
	Bt.27206.1.A1_at	UP	3.7188828	
DNAL4	Bt.29582.1.A1_at	UP	1.6853741	dynein, axonemal, light chain 4
	Bt.13619.1.A1_at	UP	4.481296	
NUP88	Bt.4747.1.S1_at	UP	1.5391248	Nucleoporin 88kDa
GZMK	Bt.24978.1.A1_at	UP	3.8177114	granzyme K (granzyme 3; tryptase II)
	Bt.20405.1.S1_at	UP	1.6216758	
HDHD1A	Bt.9943.1.S1_at	UP	1.4878094	haloacid dehalogenase-like hydrolase domain containing 1A Similar to Rho GTPase-activating protein RICH2 (Rho-type GTPase-activating protein RICH2) (RhoGAP interacting with G1P4 homologs protein 2) (RICH-2) (NPC-A-10)
LOC509257	Bt.10087.1.A1_at	UP	1.5680709	
	Bt.8612.1.A1_at	UP	1.5399489	
	Bt.19398.1.A1_at	UP	1.7299565	
SCOC	Bt.22625.1.A1_at	UP	2.00182	short coiled-coil protein
SLC39A10	Bt.22651.1.A1_at	UP	3.8298213	Solute carrier family 39 (zinc transporter), member 10
CC2D1B	Bt.21034.1.A1_at	UP	2.2381144	coiled-coil and C2 domain containing 1B
	Bt.18771.1.S1_at	UP	2.6675446	
NAE1	Bt.15600.1.A1_a_at	UP	1.287129	NEDD8 activating enzyme E1 subunit 1
TLE4	Bt.22413.1.A1_at	UP	1.648842	Transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila)
ZNF26	Bt.18804.1.A1_at	UP	1.6302576	zinc finger protein 26
	Bt.11348.1.A1_at	UP	1.7234192	
	Bt.28725.1.A1_at	UP	2.3167455	
ISM1	Bt.27645.1.A1_at	UP	5.215647	isthmin 1 homolog (zebrafish)
ILF2	Bt.18113.1.S1_a_at	UP	1.6520534	interleukin enhancer binding factor 2, 45kDa
ROBO1	Bt.23672.1.A1_at	UP	6.7155695	roundabout, axon guidance receptor, homolog 1 (Drosophila)
	Bt.27937.1.A1_at	UP	2.890005	
	Bt.10123.1.S1_at	UP	2.2237542	
TMEM184B	Bt.10312.1.A1_at	UP	1.9143522	transmembrane protein 184B
SORL1	Bt.7912.1.A1_at	UP	6.7496915	sortilin-related receptor, L(DLR class) A repeats-containing
	Bt.25221.1.A1_at	UP	2.7775648	
LOC534839	Bt.19949.1.A1_at	UP	5.041157	similar to high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha; putative GAP protein alpha
	Bt.20955.1.A1_at	UP	2.5340433	
	Bt.15455.1.A1_at	UP	4.135121	
LOC511229	Bt.21177.1.A1_s_at	UP	4.0404243	similar to mCG142710
MRPL34	Bt.20442.1.S1_at	UP	1.3995547	mitochondrial ribosomal protein L34
DBNDD2	Bt.4474.1.S1_at	UP	1.9152757	dysbindin (dystrobrevin binding protein 1) domain containing 2 FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived) /// similar to FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived)
FARP1 /// LOC782949	Bt.6660.1.S1_at	UP	2.3922262	phosphatidylinositol 4-kinase type 2 alpha small nuclear ribonucleoprotein polypeptide A' RAN binding protein 1 Src homology 2 domain containing F CDGSH iron sulfur domain 1
PI4K2A	Bt.26970.1.S1_at	UP	1.2993491	G protein-coupled receptor 125
SNRPA1	Bt.9329.1.S1_at	UP	1.3954917	Gem (nuclear organelle) associated protein 6
RANBP1	Bt.8189.2.A1_at	UP	1.4450952	
SHF	Bt.20287.1.S1_at	UP	2.152282	
CISD1	Bt.10154.1.S1_at	UP	1.6114779	
	Bt.6069.1.S1_at	UP	4.481488	
GPR125	Bt.6298.1.S1_at	UP	2.581719	
GEMIN6	Bt.22425.1.S1_at	UP	1.4849782	
	Bt.3293.1.S1_at	UP	6.4637146	
CHCHD4	Bt.11014.1.S1_at	UP	1.4509871	coiled-coil-helix-coiled-coil-helix domain containing 4
	Bt.20910.1.S1_at	UP	1.1630007	
	Bt.21133.1.S1_at	UP	1.6644983	
PINK1	Bt.13259.1.S1_at	UP	1.4304216	PTEN induced putative kinase 1
LOC505719	Bt.1373.1.A1_at	UP	1.2353892	hypothetical protein LOC505719
SNRPF	Bt.24628.1.S1_at	UP	2.0314887	Amidohydrolase domain containing 1
CHEK1	Bt.10253.1.A1_at	UP	1.6213627	CHK1 checkpoint homolog (S. pombe)
NUP85	Bt.24544.1.S1_at	UP	1.6518557	nucleoporin 85kDa
ZMYND8	Bt.17848.1.S1_at	UP	1.5762365	zinc finger, MYND-type containing 8
GUCA2A	Bt.28070.1.S1_at	UP	4.307997	guanylate cyclase activator 2A (guanylin)
WDR22	Bt.6716.1.S1_at	UP	1.9430922	WD repeat domain 22
KRT7	Bt.8105.1.S1_at	UP	6.3823986	keratin 7
	Bt.737.1.S1_a_at	UP	1.7687491	
	Bt.12628.1.S1_at	UP	1.7154416	
LOC100138962	Bt.2831.1.S1_at	UP	2.0833306	similar to Exosome component 5
GAR1	Bt.21290.1.S1_at	UP	1.3070707	GAR1 ribonucleoprotein homolog (yeast)
FCF1	Bt.20900.1.S1_at	UP	1.3315359	FCF1 small subunit (SSU) processome component homolog (S. V-ets erythroblastosis virus E26 oncogene homolog 1 (avian)
ETS1	Bt.7459.1.S1_at	UP	2.1513631	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
ANP32A	Bt.8566.1.S1_at	UP	1.9116471	similar to SAFB-like transcription modulator (Modulator of estrogen-induced transcription)
LOC515193	Bt.11954.1.S1_at	UP	1.4898999	
SLC4A7	Bt.27851.1.S1_at	UP	5.8719034	solute carrier family 4, sodium bicarbonate cotransporter, member 7
KPNA3	Bt.1950.1.S1_at	UP	1.6586938	karyopherin alpha 3 (importin alpha 4)
ORC6L	Bt.3068.1.S1_at	UP	1.4990617	origin recognition complex, subunit 6 like (yeast)
CCAR1	Bt.15971.1.S1_at	UP	1.6352934	Cell division cycle and apoptosis regulator 1
UBTF	Bt.28435.1.S1_at	UP	1.7640055	upstream binding transcription factor, RNA polymerase I
C1orf35	Bt.2823.1.S1_a_at	UP	1.6221315	chromosome 1 open reading frame 35
C1orf35	Bt.2823.1.S1_at	UP	1.537503	chromosome 1 open reading frame 35
GLI3	Bt.23282.1.S1_at	UP	3.5306046	GLI family zinc finger 3
PIAS2	Bt.6355.1.A1_at	UP	1.5963061	Protein inhibitor of activated STAT, 2
ZBTB9	Bt.22308.1.A1_at	UP	1.8191512	zinc finger and BTB domain containing 9
SORL1	Bt.17849.1.A1_at	UP	4.381225	sortilin-related receptor, L(DLR class) A repeats-containing
RANGRF	Bt.26835.1.S1_at	UP	1.5345854	RAN guanine nucleotide release factor
LOC782900	Bt.5888.1.S1_at	UP	1.612317	similar to LOC440957 protein
	Bt.16093.1.S1_at	UP	1.6264597	
TTRAP	Bt.13626.1.S1_at	UP	1.449322	TRAF and TNF receptor associated protein

AK3L1	Bt.13821.1.S1_at	UP	2.5845292	adenylate kinase 3-like 1
RAP2B	Bt.22148.1.S1_at	UP	1.6948768	RAP2B, member of RAS oncogene family
UPP1	Bt.20327.1.S1_a_at	UP	10.619437	uridine phosphorylase 1
CCDC127	Bt.3720.1.A1_at	UP	1.2730023	coiled-coil domain containing 127
	Bt.4363.1.S1_at	UP	2.779252	
LLPH	Bt.8870.2.S1_at	UP	1.4689809	LLP homolog, long-term synaptic facilitation (Aplysia)
LOC532698	Bt.28716.1.S1_at	UP	1.5499082	hypothetical protein LOC532698
ELF2	Bt.1732.1.A1_at	UP	1.961642	E74-like factor 2 (ets domain transcription factor)
RGCD1	Bt.13947.1.S1_at	UP	1.9768245	RCD1 required for cell differentiation1 homolog (S. pombe)
METTL6	Bt.28257.1.S1_at	UP	1.8430781	methyltransferase like 6
	Bt.23290.1.S1_at	UP	1.775668	
C25H16ORF75	Bt.17992.1.S1_at	UP	1.4082614	chromosome 16 open reading frame 75 ortholog
	Bt.1750.1.A1_at	UP	1.2301404	
KCNK1	Bt.8363.1.A1_at	UP	3.5761545	potassium channel, subfamily K, member 1
HSPA14	Bt.19575.1.S1_at	UP	1.7112254	heat shock 70kDa protein 14
AKIRIN2	Bt.11326.1.S1_at	UP	1.2014346	akirin 2
POLD3	Bt.15674.1.S1_at	UP	1.7472819	Polymerase (DNA-directed), delta 3, accessory subunit
	Bt.3455.2.A1_at	UP	1.4876816	
	Bt.16047.1.S1_at	UP	1.3344872	
MCAT	Bt.27223.1.S1_at	UP	1.4072856	malonyl CoA:ACP acyltransferase (mitochondrial)
KRR1	Bt.24419.1.S1_at	UP	1.6101372	KRR1, small subunit (SSU) processome component, homolog (yeast)
EHMT1	Bt.2975.1.S1_at	UP	1.220729	Euchromatic histone-lysine N-methyltransferase 1
	Bt.17008.1.S1_at	UP	3.3390718	
TSPAN2	Bt.24341.1.S1_at	UP	2.9591982	Tetraspanin 2
	Bt.8190.1.S1_at	UP	2.0959766	
	Bt.17003.1.S1_at	UP	1.2914076	
CNRIP1	Bt.8617.1.S1_at	UP	9.913752	cannabinoid receptor interacting protein 1
AATK	Bt.24600.1.S1_at	UP	1.594502	apoptosis-associated tyrosine kinase
LARS	Bt.27960.1.A1_at	UP	1.1504239	leucyl-tRNA synthetase
	Bt.24258.1.S1_at	UP	2.3509579	
DLAT	Bt.8679.1.A1_at	UP	1.437924	Dihydroipoamide S-acetyltransferase
MGC140340	Bt.27885.1.S1_at	UP	1.6672822	hypothetical LOC614063
TRA2A	Bt.23525.1.S1_at	UP	1.4682282	Transformer-2 alpha
MLL2	Bt.13707.1.A1_at	UP	1.6762953	myeloid/lymphoid or mixed-lineage leukemia 2
CSTB	Bt.24354.1.S1_at	UP	1.904246	cystatin B (stefin B)
LOC100138954	Bt.28639.1.S1_at	UP	2.475753	similar to ozf
ATXN7L1	Bt.27534.1.S1_at	UP	1.5270683	ataxin 7-like 1
				non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase)
NME7	Bt.6993.2.A1_a_at	UP	1.5442394	
	Bt.4054.1.S1_at	UP	1.9232863	
	Bt.28373.1.S1_at	UP	1.6157957	
TMOD1	Bt.6964.1.S1_at	UP	1.2863566	tropomodulin 1
AHCYL2	Bt.15900.1.A1_at	UP	3.9588366	S-adenosylhomocysteine hydrolase-like 2
MYST2	Bt.9168.1.A1_at	UP	2.588823	MYST histone acetyltransferase 2
XRN2	Bt.26825.1.A1_at	UP	1.6266694	5'-3' exoribonuclease 2
LOC534247	Bt.19521.1.S1_a_at	UP	3.7116926	similar to holocarboxylase synthetase
C26H10ORF119	Bt.28147.1.S1_at	UP	1.5607784	Chromosome 10 open reading frame 119 ortholog
HNF1B	Bt.26627.1.S1_at	UP	2.7715664	HNF1B homeobox B
OSGEPL1	Bt.28821.1.S1_at	UP	1.2710698	O-sialoglycoprotein endopeptidase-like 1
SLC4A11	Bt.27348.1.S1_at	UP	3.8566842	solute carrier family 4, sodium borate transporter, member 11
NCAPG	Bt.17915.1.S1_at	UP	1.4368614	non-SMC condensin I complex, subunit G
GTF2H3	Bt.18638.1.S1_at	UP	2.3543236	General transcription factor IIIH, polypeptide 3, 34kDa
LOC538506	Bt.8321.1.A1_at	UP	2.5652058	similar to Genetic suppressor element 1
ERCC5	Bt.28034.1.S1_at	UP	1.7531308	Excision repair cross-complementing rodent repair deficiency, complementation group 5
GTF2F2	Bt.7612.1.S1_at	UP	1.2948571	general transcription factor IIF, polypeptide 2, 30kDa
ATIC	Bt.20537.1.A1_at	UP	2.0744643	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase
USP7	Bt.21986.1.A1_a_at	UP	1.6798947	similar to ubiquitin-specific protease 7
CD59	Bt.19770.1.S1_at	UP	2.4284134	CD59 molecule, complement regulatory protein
	Bt.8756.1.S1_at	UP	1.6886308	
	Bt.10820.1.S1_at	UP	2.8858564	
POLG2	Bt.24905.1.A1_at	UP	1.8810294	polymerase (DNA directed), gamma 2, accessory subunit
MPHOSPH8	Bt.9506.1.S1_at	UP	1.7807993	M-phase phosphoprotein 8
FRG1	Bt.6180.1.S1_at	UP	1.4878626	FSHD region gene 1
	Bt.9674.1.S1_at	UP	2.0631676	
NOL10	Bt.21455.1.S1_at	UP	1.5601504	nucleolar protein 10
	Bt.14110.1.S1_at	UP	4.4756613	
GSPT2	Bt.8641.1.A1_at	UP	1.3301651	G1 to S phase transition 2
TIPIN	Bt.3155.1.S1_at	UP	1.5555017	TIMELESS interacting protein
MPHOSPH10	Bt.27187.1.S1_at	UP	1.5489451	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)
C4H7orf23	Bt.10557.1.S1_at	UP	3.5101316	chromosome 7 open reading frame 23 ortholog
DCK	Bt.27090.1.S1_at	UP	2.4636252	deoxycytidine kinase
RABL5	Bt.18626.1.A1_at	UP	1.7038769	RAB, member RAS oncogene family-like 5
MRPL32	Bt.24487.1.S1_at	UP	1.4465789	Mitochondrial ribosomal protein L32
	Bt.26625.1.S1_at	UP	1.7336218	
	Bt.12728.1.A1_a_at	UP	3.028524	
	Bt.27912.1.A1_at	UP	1.4985108	
ARL6	Bt.18413.1.S1_at	UP	1.3142769	ADP-ribosylation factor-like 6
PPP4R2	Bt.1814.1.S1_at	UP	1.3142769	protein phosphatase 4, regulatory subunit 2
LOC511229	Bt.22770.1.S1_at	UP	4.158633	similar to mCG142710
DTWD1	Bt.27055.1.S1_at	UP	2.2892969	DTW domain containing 1
RG9MTD1	Bt.28557.1.S1_at	UP	1.3696659	RNA (guanine-9-) methyltransferase domain containing 1
RAB11FIP2	Bt.18166.1.A1_at	UP	1.5640622	RAB11 family interacting protein 2 (class I)
				SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
SMARCA4	Bt.27590.1.A1_at	UP	1.545481	zinc finger CCCH-type containing 8
ZC3H8	Bt.29569.1.A1_at	UP	1.6672282	exosome component 3
EXOSC3	Bt.16104.1.S1_at	UP	1.3024831	chromosome 12 open reading frame 23 ortholog
C5H12orf23	Bt.26837.1.S1_at	UP	1.7778927	
	Bt.26117.1.A1_at	UP	1.8465611	
	Bt.27232.1.S1_at	UP	2.054813	
	Bt.28984.1.S1_at	UP	2.1130714	
LOC782145	Bt.28517.1.S1_at	UP	1.6255202	Similar to hCG1648656
MPHOSPH8	Bt.21107.1.S1_at	UP	1.9298867	M-phase phosphoprotein 8
	Bt.14055.1.S1_at	UP	1.6253783	
JARID2	Bt.24555.1.S1_at	UP	2.4649534	Jumonji, AT rich interactive domain 2
SMARCA4	Bt.5596.1.A1_at	UP	1.767744	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
INTS3	Bt.24767.1.S1_at	UP	1.4953648	integrator complex subunit 3
	Bt.12466.1.A1_at	UP	4.247048	
	Bt.24322.1.S1_at	UP	1.2851635	
LOC510487	Bt.16796.1.A1_at	UP	2.084713	similar to UTP20, small subunit (SSU) processome component, homolog (yeast)
	Bt.11702.1.A1_at	UP	1.8626347	
	Bt.14234.1.A1_at	UP	2.3260894	
SOD5	Bt.13249.1.A1_at	UP	8.046816	stearoyl-CoA desaturase 5

FLAD1	Bt.24849.1.A1_at	UP	2.4793189	FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae)
	Bt.28844.1.S1_at	UP	2.4222016	
EIF4G3	Bt.18267.1.A1_at	UP	2.2777586	eukaryotic translation initiation factor 4 gamma, 3
	Bt.25559.1.S1_at	UP	1.9135096	
RNF128	Bt.27401.1.A1_at	UP	1.7804352	ring finger protein 128
	Bt.19945.1.A1_at	UP	2.4326732	
	Bt.28391.1.A1_at	UP	2.88436	
	Bt.13701.1.A1_at	UP	1.6052151	
	Bt.9901.1.S1_at	UP	2.3873887	
	Bt.11733.1.S1_at	UP	1.5549486	
	Bt.12032.1.S1_at	UP	1.3272644	
NAT13	Bt.1956.1.S1_at	UP	1.7098196	N-acetyltransferase 13
TMEM216	Bt.17135.1.A1_at	UP	1.4308434	transmembrane protein 216
RTN3	Bt.21396.1.A1_s_at	UP	2.182806	reticulum 3
LOC510604	Bt.24847.1.S1_at	UP	1.9919145	similar to Pre-mRNA cleavage complex 2 protein Pcf11 (Pre-mRNA cleavage complex II protein Pcf11)
	Bt.8750.1.S1_at	UP	1.6835253	
PRKRA	Bt.16567.1.A1_at	UP	1.6908059	Protein kinase, interferon-inducible double stranded RNA dependent activator
C8H9orf21	Bt.11073.1.S1_at	UP	1.4584113	chromosome 9 open reading frame 21 ortholog
	Bt.27096.1.S1_at	UP	2.8395214	
ZC3H13	Bt.16450.1.A1_at	UP	1.9868778	Zinc finger CCCH-type containing 13
PNMA2	Bt.20518.1.A1_at	UP	5.115763	paraneoplastic antigen MA2
RABL4	Bt.23111.1.A1_s_at	UP	1.3941972	RAB, member of RAS oncogene family-like 4
	Bt.20978.1.A1_at	UP	1.5853555	
TIMM13	Bt.12035.1.S1_at	UP	1.2887677	translocase of inner mitochondrial membrane 13 homolog (yeast)
PI4K2A	Bt.6575.2.S1_at	UP	1.613607	phosphatidylinositol 4-kinase type 2 alpha
TIMM44	Bt.15870.1.S1_at	UP	1.986861	translocase of inner mitochondrial membrane 44 homolog (yeast)
BCL2L12	Bt.11043.1.S1_a_at	UP	1.7457963	BCL2-like 12 (proline rich)
CDK5RAP3	Bt.21022.1.S1_at	UP	1.2489903	CDK5 regulatory subunit associated protein 3
MRPL24	Bt.21151.1.S1_at	UP	1.496462	mitochondrial ribosomal protein L24
POLR2F	Bt.11138.1.S1_at	UP	1.5120623	polymerase (RNA) II (DNA directed) polypeptide F
MRPL49	Bt.21430.2.A1_at	UP	1.5014732	mitochondrial ribosomal protein L49
NES	Bt.2121.1.S1_at	UP	2.1859396	nestin
TIMM22	Bt.8735.2.S1_a_at	UP	1.4094888	translocase of inner mitochondrial membrane 22 homolog (yeast)
TIMM22	Bt.8735.1.S1_at	UP	1.5947088	translocase of inner mitochondrial membrane 22 homolog (yeast)
SNRNPB2	Bt.11024.1.S1_at	UP	1.9053179	Small nuclear ribonucleoprotein polypeptide B"
	Bt.20289.1.S1_at	UP	2.1061616	
	Bt.942.1.S1_at	UP	1.4756671	
APBB1	Bt.2217.1.S1_at	UP	1.6352118	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)
	Bt.6585.1.S1_at	UP	1.4992496	
BDH1	Bt.9777.1.S1_at	UP	4.034498	3-hydroxybutyrate dehydrogenase, type 1
DPYSL2	Bt.5224.1.S1_at	UP	2.9385798	dihydropyrimidinase-like 2
METTL5	Bt.8043.1.S1_at	UP	1.4496752	methyltransferase like 5
CDKN1C	Bt.4804.2.A1_at	UP	1.40243	Cyclin-dependent kinase inhibitor 1C (p57, Kip2)
GRLF1	Bt.12496.1.S1_at	UP	1.5141828	glucocorticoid receptor DNA binding factor 1
SMUG1	Bt.20544.1.S1_at	UP	1.8774055	single-strand-selective monofunctional uracil-DNA glycosylase 1
	Bt.7468.1.S1_at	UP	2.2074506	
NME4	Bt.7541.1.S1_at	UP	3.2246513	non-metastatic cells 4, protein expressed in
TRABD	Bt.16469.1.S1_at	UP	1.9405054	TraB domain containing
TRNAU1AP	Bt.7316.2.S1_a_at	UP	2.136143	tRNA selenocysteine 1 associated protein 1
LOC508334	Bt.26620.1.S1_at	UP	1.5241513	hypothetical protein LOC508334
RPIA	Bt.20216.3.S1_a_at	UP	1.6098609	ribose 5-phosphate isomerase A
	Bt.5911.1.S1_at	UP	1.7683834	
RNF130	Bt.1690.1.S1_at	UP	1.8812928	ring finger protein 130
	Bt.21896.1.S1_at	UP	5.232491	
EXOSC1	Bt.28578.1.S1_at	UP	1.4058574	exosome component 1
	Bt.732.1.S1_at	UP	5.3044467	
LOC531049	Bt.26568.1.S1_a_at	UP	2.1328359	Similar to Putative eukaryotic translation initiation factor 3 subunit (eIF-
IFT122	Bt.8829.1.S1_a_at	UP	19.821947	Intraflagellar transport 122 homolog (Chlamydomonas)
WDR34	Bt.2035.1.S1_at	UP	2.7072494	WD repeat domain 34
PA2G4	Bt.4896.1.S1_at	UP	1.7550294	Proliferation-associated 2G4, 38kDa
GRPEL1	Bt.5333.2.S1_at	UP	1.7181684	GrpE-like 1, mitochondrial (E. coli)
HAUS4	Bt.12430.1.S1_at	UP	1.8770432	HAUS augmin-like complex, subunit 4
LOC510927	Bt.27831.1.S1_at	UP	1.4682151	hypothetical LOC510927
C28H10orf104	Bt.23520.1.S1_at	UP	1.29803	chromosome 10 open reading frame 104 ortholog
SMO	Bt.7772.1.S1_at	UP	6.531528	smoothened homolog (Drosophila)
	Bt.2066.1.S1_at	UP	1.6277746	
LOC788888	Bt.13241.1.S1_at	UP	1.3394254	similar to E3 ubiquitin-protein ligase HECTD1 (HECT domain-containing protein 1) (E3 ligase for inhibin receptor) (EULIR)
RRAD	Bt.12891.1.S1_at	UP	8.067476	Ras-related associated with diabetes
PPIL1	Bt.20163.3.S1_a_at	UP	1.5128368	peptidylprolyl isomerase (cyclophilin)-like 1
JMJJD2A	Bt.9470.2.S1_a_at	UP	1.5804888	Similar to JmjC domain-containing histone demethylation protein 3A (Jumonji domain-containing protein 2A)
	Bt.11902.1.S1_at	UP	1.2030689	
FGD1	Bt.29963.1.S1_at	UP	1.9064391	FYVE, RhoGEF and PH domain containing 1
	Bt.16975.1.S1_at	UP	1.5262322	
PLEKHA2	Bt.22283.1.S1_at	UP	2.0338073	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2
RRP12	Bt.776.1.S1_at	UP	1.6867584	ribosomal RNA processing 12 homolog (S. cerevisiae)
CDC42EP4	Bt.20490.1.S1_at	UP	5.262892	CDC42 effector protein (Rho GTPase binding) 4
ILF3	Bt.976.1.A1_at	UP	1.4701848	Interleukin enhancer binding factor 3, 90kDa
GEMIN4	Bt.21292.1.S1_at	UP	1.3732135	gem (nuclear organelle) associated protein 4
ATAD1	Bt.8053.1.S1_at	UP	1.2690657	ATPase family, AAA domain containing 1
STK38	Bt.7505.1.S1_at	UP	2.1783292	serine/threonine kinase 38
LFNG	Bt.11476.1.S1_at	UP	4.664132	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
NRD1	Bt.21674.1.S1_at	UP	1.3840147	nardilysin (N-arginine dibasic convertase)
MED27	Bt.26721.1.S1_a_at	UP	1.3303411	mediator complex subunit 27
MKI67IP	Bt.3678.1.S1_at	UP	1.5609424	MKI67 (FHA domain) interacting nucleolar phosphoprotein
	Bt.28314.1.S1_at	UP	3.1755252	
SPRY2	Bt.28178.1.A1_at	UP	3.845423	sprouty homolog 2 (Drosophila)
PHLDB2	Bt.15779.1.S1_at	UP	2.8673089	Pleckstrin homology-like domain, family B, member 2
PDXP	Bt.21917.1.S1_at	UP	1.6811258	pyridoxal (pyridoxine, vitamin B6) phosphatase
GNL2	Bt.6819.1.S1_at	UP	1.4473813	guanine nucleotide binding protein-like 2 (nucleolar)
LOC100138550	Bt.20168.3.A1_a_at	UP	1.4447688	similar to FIP1-like 1
LOC100138550	Bt.20168.1.A1_at	UP	1.4472305	similar to FIP1-like 1
POLA2	Bt.4206.1.S1_at	UP	1.3963519	Polymerase (DNA directed), alpha 2 (70kD subunit)
ENY2	Bt.2223.1.S1_a_at	UP	1.7320716	enhancer of yellow 2 homolog (Drosophila)
ENY2	Bt.2223.1.S1_at	UP	1.8778714	enhancer of yellow 2 homolog (Drosophila)
COQ2	Bt.26836.2.A1_at	UP	1.6416988	coenzyme Q2 homolog, prenyltransferase (yeast)
PLK2	Bt.10259.1.A1_at	UP	1.9693979	polo-like kinase 2 (Drosophila)
MEIS2	Bt.2674.1.A1_at	UP	4.7192087	Meis homeobox 2
NOL11	Bt.24607.1.S1_at	UP	1.3810105	nucleolar protein 11
LRRN4CL	Bt.12080.1.S1_at	UP	2.0221577	LRRN4 C-terminal like

LOC786823 /// MTA3	Bt.3289.1.S1_at	UP	1.5583962	similar to metastasis associated 1 family, member 3 /// metastasis associated 1 family, member 3
HNRNPA0	Bt.21790.1.S1_at Bt.20977.1.S1_at Bt.8039.2.S1_a_at	UP UP UP	1.8752416 1.8645084 2.0895212	Heterogeneous nuclear ribonucleoprotein A0
TMEM170A	Bt.8039.1.S1_at	UP	2.1707423	Transmembrane protein 170A
TTC1	Bt.1925.1.S1_at	UP	1.4794298	tetratricopeptide repeat domain 1
POLE3	Bt.27905.1.S1_at	UP	1.3426012	polymerase (DNA directed), epsilon 3 (p17 subunit)
RTN4IP1	Bt.21301.1.S1_a_at	UP	1.8369504	reticulin 4 interacting protein 1
SLC7A7	Bt.6009.1.S1_at	UP	3.3546407	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7
DGKA	Bt.8070.1.S1_at	UP	2.6497755	diacylglycerol kinase, alpha 80kDa
NUP107	Bt.2178.1.S1_at	UP	1.4434375	nucleoporin 107kDa
MTERFD1	Bt.12108.1.S1_at	UP	2.0598323	MTERF domain containing 1
ZBTB80S	Bt.21377.1.S1_at	UP	1.5675781	Zinc finger and BTB domain containing 8 opposite strand
CARS2	Bt.21918.2.S1_at	UP	1.6251664	cysteinyl-tRNA synthetase 2, mitochondrial (putative)
PSMD13	Bt.21635.2.A1_a_at	UP	1.2654636	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13
WDR5	Bt.17594.1.S1_at	UP	1.354465	WD repeat domain 5
RNF135	Bt.2288.1.S1_at	UP	1.7555172	ring finger protein 135
LOC613824 /// LOC790863	Bt.7491.1.S1_a_at	UP	1.2161627	similar to CGG triplet repeat-binding protein 1 (CGG-binding protein 1) (p20-CGGBP DNA-binding protein) (20 kDa CGG-binding protein) /// similar to CGG triplet repeat-binding protein 1 (CGG-binding protein 1) (p20-CGGBP DNA-binding protein) (20 kDa CGG-binding protein) hypothetical protein LOC614296
MGC127733	Bt.9019.1.S1_at Bt.24359.2.S1_at	UP UP	1.7048454 1.9260634	
ZNRD1	Bt.1771.1.S1_at	UP	1.5641394	zinc ribbon domain containing 1
LOC784005	Bt.1938.1.S1_at	UP	6.4726477	similar to chromosome 10 open reading frame 72
PRKD3	Bt.6225.1.S1_at	UP	1.9243228	protein kinase D3
COMMD8	Bt.4554.1.S1_at	UP	1.2797116	COMM domain containing 8
LSM8	Bt.2152.1.S1_at Bt.9520.1.S1_at Bt.16887.1.A1_at	UP UP UP	2.6822577 1.3758004 1.5976999	LSM8 homolog, U6 small nuclear RNA associated (S. cerevisiae)
DEK	Bt.1167.1.S1_at	UP	1.5428559	DEK oncogene
UBE2G2	Bt.7786.1.S1_at Bt.11263.2.S1_at	UP UP	2.4539006 1.4604155	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)
ZNF22	Bt.3380.1.S1_at	UP	1.9139276	Zinc finger protein 22 (KOX 15)
GLE1	Bt.13763.1.S1_at	UP	2.1683123	GLE1 RNA export mediator homolog (yeast)
LOC511229	Bt.22390.1.S1_at	UP	3.039207	similar to mCG142710
MPZL2	Bt.20596.1.S1_at	UP	1.30902	Myelin protein zero-like 2
GATAD2A	Bt.7614.1.S1_at	UP	1.3874487	GATA zinc finger domain containing 2A
EFNA4	Bt.20476.1.S1_at	UP	1.6162751	ephrin-A4
TMEM167B	Bt.20426.1.S1_at	UP	1.6000057	Transmembrane protein 167B
CPSF4	Bt.21498.1.S1_at	UP	1.9805363	cleavage and polyadenylation specific factor 4, 30kDa
CD8B	Bt.12414.1.S1_at	UP	3.9281118	CD8b molecule
LSG1	Bt.9800.1.A1_a_at	UP	1.2961602	large subunit GTPase 1 homolog (S. cerevisiae)
SF3B14	Bt.19500.1.S1_at Bt.29900.1.S1_at	UP UP	1.7920753 1.6928366	splicing factor 3B, 14 kDa subunit
AHCYL2	Bt.15900.2.S1_at	UP	4.0845885	S-adenosylhomocysteine hydrolase-like 2
PPM1B	Bt.21201.1.S1_at Bt.942.2.S1_at	UP UP	1.3142433 2.2947657	protein phosphatase 1B (formerly 2C), magnesium-dependent, beta
C10H14ORF169	Bt.10900.1.S1_at Bt.9594.1.S1_at Bt.17455.1.S1_at Bt.22490.1.S1_at	UP UP UP UP	1.9917703 3.260934 4.2819185 1.2859144	chromosome 14 open reading frame 169 ortholog
FNTB	Bt.26841.1.A1_at	UP	2.9046612	farnesyltransferase, CAAX box, beta
NUP210L	Bt.23468.1.A1_at	UP	1.5628839	nucleoporin 210kDa-like
ARG2	Bt.8624.1.S1_at	UP	1.9904655	arginase, type II
RRN3	Bt.24213.1.A1_at Bt.21288.1.A1_at	UP UP	1.585184 1.7446626	RRN3 RNA polymerase I transcription factor homolog (S. cerevisiae)
ZNF318	Bt.12867.1.A1_at	UP	1.3891796	zinc finger protein 318
DUS4L	Bt.13512.2.S1_at Bt.6520.1.A1_at Bt.944.1.S1_at	UP UP UP	1.8306255 1.8949122 3.159503	dihydrouridine synthase 4-like (S. cerevisiae)
LOC616557	Bt.4238.1.S1_at	UP	1.2539188	similar to chromosome 10 open reading frame 76
MED30	Bt.22622.2.S1_at	UP	1.4480859	mediator complex subunit 30
PRKD3	Bt.6225.2.A1_at	UP	3.091306	protein kinase D3
ENY2	Bt.2223.2.A1_at	UP	1.6768917	Enhancer of yellow 2 homolog (Drosophila)
PRMT7	Bt.21927.1.S1_at	UP	1.4156237	Protein arginine methyltransferase 7
PHLDB2	Bt.15779.2.A1_at	UP	4.744574	Pleckstrin homology-like domain, family B, member 2
SMARCA2	Bt.22441.1.S1_at	UP	4.465697	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
PYGO2	Bt.12367.1.S1_at Bt.28299.1.S1_at	UP UP	3.5944033 2.1578727	pygopus homolog 2 (Drosophila)
TIMELESS	Bt.22067.1.S1_at Bt.1861.1.S1_at	UP UP	1.2704865 1.2479788	Timeless homolog (Drosophila)
TAF12	Bt.24273.2.S1_a_at	UP	1.9863411	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa
ANAPC1	Bt.4682.1.S1_at	UP	1.7133412	
RBKS	Bt.7138.1.S1_at	UP	1.2738935	anaphase promoting complex subunit 1
PWP2	Bt.13335.1.S1_at	UP	1.341814	ribokinase
PWP2	Bt.21538.1.S1_at	UP	1.6542531	PWP2 periodic tryptophan protein homolog (yeast)
CDC5L	Bt.11865.1.A1_at	UP	1.2610209	CDC5 cell division cycle 5-like (S. pombe)
QRSL1	Bt.22028.1.S1_at	UP	1.4961478	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1
SORL1	Bt.17849.2.S1_at	UP	4.320976	sortilin-related receptor, L(DLR class) A repeats-containing
SSX2IP	Bt.11873.1.A1_at	UP	2.140099	Synovial sarcoma, X breakpoint 2 interacting protein
LOC523799 /// LOC781315	Bt.13427.1.S1_at	UP	1.3795269	similar to CG4877 CG4877-PA /// similar to C5orf25 protein
PAPOLG	Bt.24299.1.A1_at	UP	1.3168763	poly(A) polymerase gamma
BAZ1B	Bt.4580.1.A1_at	UP	1.5000162	bromodomain adjacent to zinc finger domain, 1B
TGIF1	Bt.20778.1.S1_at	UP	2.3038723	TGFB-induced factor homeobox 1
CSDE1	Bt.10121.1.A1_at	UP	1.3097898	cold shock domain containing E1, RNA-binding
TIMM8B	Bt.27116.2.S1_at Bt.8648.1.S1_at Bt.1526.1.S1_at Bt.8894.1.S1_at	UP UP UP UP	1.3864187 1.7285548 2.155911 5.294147	translocase of inner mitochondrial membrane 8 homolog B (yeast)
SNRPG	Bt.9750.1.S1_a_at	UP	1.7223713	small nuclear ribonucleoprotein polypeptide G
NOLC1	Bt.4501.1.S1_at Bt.17989.1.S1_at	UP UP	1.9371094 1.6937314	Nucleolar and coiled-body phosphoprotein 1
SYF2	Bt.28190.1.S1_at	UP	1.5784643	SYF2 homolog, RNA splicing factor (S. cerevisiae)
OSBPL6	Bt.13466.1.S1_at Bt.13472.1.S1_at Bt.12854.1.S1_at	UP UP UP	3.3084376 1.9153649 2.329445	oxysterol binding protein-like 6
AKAP1	Bt.16262.1.S1_at	UP	1.3270082	A kinase (PRKA) anchor protein 1
PFKFB4	Bt.659.2.S1_at	UP	3.8203394	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4
CACHD1	Bt.26813.1.S1_at	UP	1.9091777	cache domain containing 1
CBFB	Bt.15672.2.S1_at	UP	1.2524344	Core-binding factor, beta subunit

LOC531049	Bt.26568.2.S1_a.at	UP	2.334216	Similar to Putative eukaryotic translation initiation factor 3 subunit (eIF-
	Bt.8962.2.S1_a.at	UP	1.5819358	
AKAP12	Bt.10458.2.S1_at	UP	5.7649913	A kinase (PRKA) anchor protein 12
GNPDA2	Bt.20629.2.S1_at	UP	1.9297379	glucosamine-6-phosphate deaminase 2
PRKDC	Bt.11314.1.S1_at	UP	1.7746515	protein kinase, DNA-activated, catalytic polypeptide
LOC616726	Bt.6964.2.A1_at	UP	1.640284	similar to chromosome 9 open reading frame 97
	Bt.17502.1.A1_at	UP	1.9996611	
NASP	Bt.18230.1.S1_a.at	UP	3.1662388	Nuclear autoantigenic sperm protein (histone-binding)
GKAP1	Bt.29954.1.S1_at	UP	1.45989	G kinase anchoring protein 1
	Bt.21736.1.A1_at	UP	2.1243708	
KIF2A	Bt.12861.1.S1_at	UP	1.6163131	Kinesin heavy chain member 2A
TCF7	Bt.21037.1.S1_at	UP	2.3334377	transcription factor 7 (T-cell specific, HMG-box)
PALB2	Bt.18229.1.A1_at	UP	2.218459	partner and localizer of BRCA2
DPP8	Bt.13766.1.A1_at	UP	2.168662	dipeptidyl-peptidase 8
SNRPG	Bt.9750.2.S1_a.at	UP	1.967932	small nuclear ribonucleoprotein polypeptide G
	Bt.22095.1.S1_at	UP	1.7582134	
LZTFL1	Bt.22150.1.A1_at	UP	1.8061901	leucine zipper transcription factor-like 1
	Bt.20910.2.S1_at	UP	1.3853201	
	Bt.12371.1.S1_at	UP	1.7097436	
C29H11orf67				chromosome 11 open reading frame 67 ortholog
LOC784070	Bt.20582.1.S1_at	UP	1.6987005	similar to Hepatoma-derived growth factor-related protein 3 (HRP-3)
				(Hepatoma-derived growth factor 2)
LOC782307	Bt.14109.1.S1_at	UP	1.8883221	hypothetical LOC782307
TMEM167B	Bt.20426.2.S1_a.at	UP	2.309259	Transmembrane protein 167B
FGF2	Bt.15864.1.S1_at	UP	17.102497	fibroblast growth factor 2 (basic)
UTP3	Bt.27417.2.S1_at	UP	1.2397537	UTP3, small subunit (SSU) processome component, homolog (S.
GFER	Bt.5503.1.S1_at	UP	1.502256	growth factor, augments of liver regeneration
GRSF1	Bt.14193.1.A1_at	UP	2.2767944	G-rich RNA sequence binding factor 1
	Bt.21981.3.S1_at	UP	4.269317	
JAM3	Bt.649.1.S1_at	UP	2.378855	junctional adhesion molecule 3
	Bt.12551.1.S1_at	UP	2.1887562	
TMEM206	Bt.21237.1.S1_at	UP	2.700648	Transmembrane protein 206
STAG2	Bt.26549.1.A1_at	UP	1.3549008	stromal antigen 2
	Bt.3735.3.S1_at	UP	1.8288034	
GFM1	Bt.21913.2.S1_a.at	UP	1.6497377	G elongation factor, mitochondrial 1
	Bt.27371.1.S1_at	UP	2.3247423	
LOC508720	Bt.24665.1.S1_at	UP	8.440233	similar to class II transactivator
SLC6A20	Bt.28747.1.S1_at	UP	4.635481	Solute carrier family 6 (proline IMINO transporter), member 20
NFIL3	Bt.27854.1.S1_at	UP	1.5629572	nuclear factor, interleukin 3 regulated
RANBP3L	Bt.23806.1.A1_at	UP	2.4759357	RAN binding protein 3-like
UTP15	Bt.13342.1.S1_at	UP	1.2800608	UTP15, U3 small nucleolar ribonucleoprotein, homolog (S. cerevisiae)
	Bt.21716.1.S1_at	UP	1.7296704	
	Bt.7528.1.S1_at	UP	1.5135984	
ST3GAL2	Bt.4031.1.S1_at	UP	2.3316898	ST3 beta-galactoside alpha-2,3-sialyltransferase 2
NUSAP1	Bt.25412.1.A1_at	UP	1.5155363	nucleolar and spindle associated protein 1
TERF1	Bt.23286.1.A1_at	UP	1.5160105	telomeric repeat binding factor (NIMA-interacting) 1
LOC781790	Bt.4247.1.S1_at	UP	1.6010089	similar to hCG2010338
CDK5RAP3	Bt.21022.3.S1_a.at	UP	1.4071894	CDK5 regulatory subunit associated protein 3
STAG3	Bt.21645.1.S1_at	UP	2.6911163	stromal antigen 3
	Bt.24435.1.S1_at	UP	1.7366378	
ZCCHC17	Bt.1338.1.A1_at	UP	1.2577655	zinc finger, CCHC domain containing 17
	Bt.11902.3.A1_at	UP	2.0106337	
	Bt.3945.1.S1_at	UP	4.2608356	
	Bt.16976.1.S1_at	UP	5.6826453	
MRPS9	Bt.24624.3.S1_at	UP	1.5358969	mitochondrial ribosomal protein S9
RPL7L1	Bt.14159.1.A1_at	UP	1.6011083	Ribosomal protein L7-like 1
TSG118	Bt.1529.2.A1_at	UP	1.9165322	Testis-specific gene 118 protein
TMLHE	Bt.21098.3.S1_at	UP	1.7507777	trimethyllysine hydroxylase, epsilon
RTF1	Bt.28592.1.S1_at	UP	1.8821204	Rtf1, Paf1/RNA polymerase II complex component, homolog (S.
LOC510240	Bt.6982.1.S1_at	UP	1.7712431	similar to RRP1-like protein B
WDR75	Bt.28680.1.S1_at	UP	1.3738077	WD repeat domain 75
F2R	Bt.10814.1.S1_at	UP	4.035531	coagulation factor II (thrombin) receptor
	Bt.6340.1.A1_at	UP	2.0874407	
	Bt.8879.2.S1_at	UP	1.6271013	
KDM2B	Bt.24595.1.S1_at	UP	2.1976204	lysine (K)-specific demethylase 2B
	Bt.6665.1.S1_at	UP	2.0469873	
FLJ10803	Bt.10608.2.S1_a.at	UP	1.1653062	hypothetical protein LOC505736
	Bt.21299.1.S1_at	UP	1.4057757	
PPM1K	Bt.18634.2.S1_at	UP	2.0754514	protein phosphatase 1K (PP2C domain containing)
UPF3A	Bt.22713.1.S1_at	UP	1.8283447	UPF3 regulator of nonsense transcripts homolog A (yeast)
	Bt.13202.2.S1_at	UP	2.12745	
	Bt.4792.1.S1_at	UP	2.364673	
	Bt.841.2.A1_at	UP	2.292234	
	Bt.9772.1.S1_at	UP	3.1380203	
DNAJC24	Bt.16387.1.S1_at	UP	1.5275309	DnaJ (Hsp40) homolog, subfamily C, member 24
	Bt.24391.2.S1_at	UP	1.6857187	
BCOR	Bt.17758.1.S1_at	UP	2.0979984	BCL6 co-repressor
	Bt.1048.2.S1_at	UP	1.9906504	
GTPBP10	Bt.9732.1.A1_at	UP	1.6672355	GTP-binding protein 10 (putative)
FBXO31	Bt.22832.2.A1_at	UP	1.9240022	F-box protein 31
	Bt.2082.1.S1_at	UP	4.0587487	
STARD3NL	Bt.27269.2.S1_at	UP	2.6311274	STARD3 N-terminal like
YWHAG	Bt.16142.2.S1_at	UP	1.3910384	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
	Bt.27285.1.S1_at	UP	1.5680236	
TRPM6	Bt.6392.1.S1_at	UP	3.7150087	Transient receptor potential cation channel, subfamily M, member 6
	Bt.24216.2.S1_at	UP	5.8024726	
CCDC75	Bt.24598.2.S1_at	UP	1.5374765	Coiled-coil domain containing 75
LIG3	Bt.25483.2.S1_at	UP	1.6031861	ligase III, DNA, ATP-dependent
LOC781688	Bt.1526.2.S1_at	UP	2.1643085	similar to GTP-binding nuclear protein Ran (GTPase Ran) (Ras-like protein TC4) (Androgen receptor-associated protein 24)
DHX36	Bt.6042.1.S1_at	UP	1.6692832	DEAH (Asp-Glu-Ala-His) box polypeptide 36
	Bt.20132.2.S1_at	UP	1.233216	
LOC100139742	Bt.13965.1.S1_at	UP	2.1379166	similar to WNK lysine deficient protein kinase 4
KPNA3	Bt.16978.1.S1_at	UP	1.8150067	karyopherin alpha 3 (importin alpha 4)
	Bt.12256.1.S1_at	UP	2.414407	
TNRC6C	Bt.19479.2.A1_a.at	UP	3.1548357	trinucleotide repeat containing 6C
PUS7	Bt.2503.1.S1_at	UP	2.8298335	pseudouridylate synthase 7 homolog (S. cerevisiae)
TSPYL1	Bt.16052.2.A1_at	UP	1.2162359	TSPY-like 1
	Bt.16062.1.A1_at	UP	5.60967	
	Bt.812.1.S1_at	UP	1.4896339	
	Bt.22181.1.A1_at	UP	1.8900157	
KIT	Bt.27675.1.A1_at	UP	5.4306374	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
	Bt.4392.2.A1_at	UP	2.7628093	
	Bt.24348.1.A1_at	UP	6.022985	
TCOF1	Bt.12734.2.A1_s.at	UP	1.8279461	Treacher Collins-Franceschetti syndrome 1

HPS4	Bt.17964.2.A1_s.at	UP	1.8810619	Hermansky-Pudlak syndrome 4
TFB1M	Bt.9999.2.A1_at	UP	1.3848982	Transcription factor B1, mitochondrial
	Bt.16814.1.A1_at	UP	4.082242	
BCOR	Bt.17758.2.A1_at	UP	3.2517772	BCL6 co-repressor
SCNN1G	Bt.17819.2.A1_at	UP	2.9194043	Sodium channel, nonvoltage-gated 1, gamma
	Bt.20591.2.A1_at	UP	4.6259036	
ZNF567	Bt.16483.2.A1_at	UP	6.228751	Zinc finger protein 567
SAFB /// SAFB2	Bt.16994.2.A1_at	UP	1.9206717	scaffold attachment factor B /// scaffold attachment factor B2
	Bt.17308.1.A1_at	UP	3.652004	
	Bt.18298.1.A1_at	UP	17.223598	
SLC39A10	Bt.18309.1.A1_at	UP	2.858575	solute carrier family 39 (zinc transporter), member 10
	Bt.18707.1.A1_at	UP	6.8188972	
C17H12ORF65	Bt.22742.1.A1_at	UP	1.6652634	Chromosome 12 open reading frame 65 ortholog
GPRIN2	Bt.27581.1.A1_at	UP	1.7551001	G protein regulated inducer of neurite outgrowth 2
BUD13	Bt.26848.1.S1_at	UP	1.5634632	BUD13 homolog (S. cerevisiae)
	Bt.22600.1.A1_at	UP	2.34622	
LOC514433	Bt.27611.1.S1_at	UP	5.931471	similar to zinc finger protein of the cerebellum 2
HS3ST5	Bt.25539.1.A1_at	UP	7.008297	heparan sulfate (glucosamine) 3-O-sulfotransferase 5
	Bt.24330.2.A1_at	UP	1.4573201	
	Bt.25445.1.A1_at	UP	1.9346132	
	Bt.26227.1.A1_at	UP	1.8421386	
LOC614351	Bt.26952.2.A1_at	UP	2.292349	similar to DNA replication complex GINS protein PSF2
MSH6	Bt.13943.1.A1_at	UP	1.249325	mutS homolog 6 (E. coli)
SLC6A1	Bt.25443.1.A1_at	UP	1.8237484	solute carrier family 6 (neurotransmitter transporter, GABA), member 1
LOC783452	Bt.11920.1.A1_at	UP	1.9886616	similar to neuregulin 2
	Bt.15502.1.S1_at	UP	1.6406978	
	Bt.27174.1.A1_at	UP	1.754344	
HSPH1	Bt.19629.1.S1_at	UP	1.5324718	heat shock 105kDa/110kDa protein 1
	Bt.16515.2.A1_at	UP	1.6325444	
	Bt.27457.1.S1_at	UP	3.608785	
	Bt.16947.2.A1_at	UP	1.3818884	
	Bt.18046.1.S1_at	UP	2.127051	
	Bt.29486.1.A1_at	UP	2.856374	
DDX10	Bt.29345.1.A1_at	UP	1.4392931	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10
	Bt.29421.1.A1_at	UP	2.8751	
CHIC2	Bt.24506.2.A1_at	UP	2.081077	cysteine-rich hydrophobic domain 2
	Bt.25915.1.A1_at	UP	4.038724	
ZNF462	Bt.25937.1.A1_at	UP	3.3107421	zinc finger protein 462
	Bt.26029.1.A1_at	UP	1.7158732	
RAD18	Bt.26308.2.A1_at	UP	1.514307	RAD18 homolog (S. cerevisiae)
	Bt.27548.1.A1_at	UP	3.9733794	
	Bt.27559.1.A1_at	UP	2.6068377	
ZNF565	Bt.27569.1.A1_at	UP	2.8687837	zinc finger protein 565
ZIC3	Bt.27616.1.A1_at	UP	4.443577	Zic family member 3 (odd-paired homolog, Drosophila)
	Bt.27639.2.A1_at	UP	2.7689557	
	Bt.27747.1.A1_at	UP	1.8492723	
	Bt.16224.3.A1_at	UP	1.752845	
	Bt.29104.1.A1_at	UP	2.4008894	
	Bt.29237.1.A1_at	UP	1.8779296	
	Bt.24165.1.A1_at	UP	1.8222811	
	Bt.24078.1.A1_at	UP	1.9243121	
	Bt.23707.1.A1_at	UP	4.580827	
	Bt.13608.1.A1_at	UP	1.9415351	
H3F3B	Bt.28226.3.A1_s.at	UP	1.7146617	Similar to Histone H3.3B CG8989-PA
CAV1	Bt.3478.1.A1_s.at	UP	9.392547	caveolin 1, caveolae protein, 22kDa
ACER3	Bt.3497.1.A1_at	UP	1.4152921	alkaline ceramidase 3
	Bt.5744.1.S1_at	UP	2.6435812	
TSPAN33	Bt.7808.1.A1_at	UP	1.7295289	tetraspanin 33
	Bt.25020.1.A1_at	UP	1.9889017	
SFRS2IP	Bt.26408.1.A1_at	UP	1.6798503	Splicing factor, arginine/serine-rich 2, interacting protein
NASP	Bt.21400.1.A1_s.at	UP	2.2791333	nuclear autoantigenic sperm protein (histone-binding)
KIT	Bt.26445.1.A1_at	UP	5.216644	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
	Bt.25293.1.A1_at	UP	2.4328797	
	Bt.26778.2.A1_at	UP	1.2823261	
MTERF	Bt.26410.1.A1_at	UP	1.6100245	mitochondrial transcription termination factor
	Bt.6784.1.A1_at	UP	2.1777272	
ALOX15	Bt.25117.1.A1_at	UP	1.4224072	arachidonate 15-lipoxygenase
	Bt.25198.1.A1_at	UP	1.9402808	
	Bt.25257.1.A1_at	UP	1.855718	
	Bt.25350.1.A1_at	UP	1.9518212	
RPL32	Bt.11318.1.A1_at	UP	1.4535376	Ribosomal protein L32
ING4	Bt.25286.1.A1_at	UP	1.8485037	Inhibitor of growth family, member 4
STEAP3	Bt.13278.2.S1_a.at	UP	2.1988657	STEAP family member 3
RPUSD3	Bt.13515.2.A1_s.at	UP	1.5667673	RNA pseudouridylylase domain containing 3
	Bt.15506.1.A1_s.at	UP	3.637116	
FABP3	Bt.15511.1.A1_at	UP	15.185174	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)
	Bt.16483.3.A1_at	UP	4.162936	
CCNC	Bt.16826.1.A1_s.at	UP	1.4539037	cyclin C
	Bt.16831.1.A1_at	UP	2.6908057	
	Bt.16955.1.A1_at	UP	2.7853734	
	Bt.16976.2.A1_at	UP	6.304415	
LOC100138313	Bt.17095.2.A1_at	UP	1.7883893	similar to Fucose-1-phosphate guanylyltransferase (GDP-L-fucose pyrophosphorylase) (GDP-L-fucose diphosphorylase)
	Bt.17526.1.A1_at	UP	1.773143	
FAM119A	Bt.17629.1.A1_at	UP	1.5826674	Family with sequence similarity 119, member A
	Bt.18331.1.A1_at	UP	2.137491	
	Bt.18353.1.A1_at	UP	2.7863638	
	Bt.18626.2.A1_at	UP	2.2290106	
METTL6	Bt.18709.1.A1_s.at	UP	1.6731453	methyltransferase like 6
	Bt.18824.1.A1_at	UP	6.506159	
PCDH10	Bt.18860.1.A1_at	UP	10.564619	Protocadherin 10
	Bt.19018.1.A1_at	UP	4.861844	
	Bt.19323.1.A1_at	UP	3.3885825	
LOC100140616	Bt.19514.1.A1_at	UP	3.7599912	hypothetical protein LOC100140616
	Bt.19757.1.A1_at	UP	5.2509203	
	AFX-BioC-3.at	DOWN	1.4720659	
	AFX-DapX-5.at	DOWN	6.6835394	
	AFX-DapX-M.at	DOWN	4.349214	
	AFX-DapX-3.at	DOWN	3.8984988	
	AFX-LysX-M.at	DOWN	3.3146396	
	AFX-LysX-3.at	DOWN	3.6554978	
	AFX-PheX-M.at	DOWN	4.007205	
	AFX-PheX-3.at	DOWN	3.290251	
	AFX-ThrX-M.at	DOWN	3.8819315	

	AFFX-ThrX-3_at	DOWN	4.7158213	
	AFFX-r2-Bs-dap-5_at	DOWN	5.453136	
	AFFX-r2-Bs-dap-M_at	DOWN	3.9630435	
	AFFX-r2-Bs-dap-3_at	DOWN	4.0616727	
	AFFX-r2-Bs-lys-M_at	DOWN	4.3266125	
	AFFX-r2-Bs-lys-3_at	DOWN	3.118443	
	AFFX-r2-Bs-phe-M_at	DOWN	4.53065	
	AFFX-r2-Bs-phe-3_at	DOWN	3.5671456	
	AFFX-r2-Bs-thr-M_s_at	DOWN	3.1971943	
	AFFX-r2-Bs-thr-3_s_at	DOWN	4.717366	
GAPDH	AFFX-Bt-gapd-5_at	DOWN	1.4963809	glyceraldehyde-3-phosphate dehydrogenase
LDHA	Bt.3809.1.S1_at	DOWN	1.6283506	lactate dehydrogenase A
GNB1	Bt.2374.1.S1_at	DOWN	1.4027445	guanine nucleotide binding protein (G protein), beta polypeptide 1
SERPING1	Bt.22969.1.S1_a_at	DOWN	3.308843	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1
CTGF	Bt.5240.1.S1_at	DOWN	2.0588677	connective tissue growth factor
ASH1L	Bt.5037.1.S2_at	DOWN	2.2633543	ash1 (absent, small, or homeotic)-like (Drosophila)
PTGDS	Bt.1645.1.S1_at	DOWN	5.02103	prostaglandin D2 synthase 21kDa (brain)
FABP5	Bt.22869.1.S1_at	DOWN	2.4119694	fatty acid binding protein 5 (psoriasis-associated)
FABP5	Bt.22869.1.S2_at	DOWN	2.7114763	fatty acid binding protein 5 (psoriasis-associated)
CAPG	Bt.5499.1.S1_at	DOWN	1.7107033	capping protein (actin filament), gelsolin-like
ANXA8	Bt.5026.1.S1_at	DOWN	1.6091715	annexin A8
ANXA11	Bt.5150.1.S1_at	DOWN	1.6788852	annexin A11
ANXA11	Bt.5150.1.S2_at	DOWN	1.820486	annexin A11
IL18	Bt.234.1.S1_at	DOWN	1.4201276	interleukin 18 (interferon-gamma-inducing factor)
ACSS1	Bt.15996.1.S1_at	DOWN	1.7703185	acyl-CoA synthetase short-chain family member 1
SCIN	Bt.3980.1.S1_at	DOWN	3.6591396	scinderin
MUC1	Bt.9561.1.S1_at	DOWN	2.3397262	mucin 1, cell surface associated
CTSB	Bt.393.1.S1_at	DOWN	1.6728237	cathepsin B
ADRB2	Bt.100.1.S1_at	DOWN	2.901281	adrenergic, beta-2-, receptor, surface
FDXR	Bt.2122.1.S1_at	DOWN	1.8018777	ferredoxin reductase
CYP11A1	Bt.7190.1.S1_at	DOWN	3.9183164	cytochrome P450, family 11, subfamily A, polypeptide 1
CAST	Bt.4738.1.S2_at	DOWN	1.7421697	calpastatin
CAST	Bt.4738.1.S1_at	DOWN	3.2190382	calpastatin
IL6	Bt.3686.1.S1_at	DOWN	2.3095744	interleukin 6 (interferon, beta 2)
SEPP1	Bt.2220.2.A1_a_at	DOWN	1.5693891	selenoprotein P, plasma, 1
PTGS2	Bt.15758.1.S1_at	DOWN	1.5821432	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
PROCR	Bt.526.1.S1_at	DOWN	2.3014958	protein C receptor, endothelial (EPCR)
PTGES	Bt.8953.1.S1_at	DOWN	1.6402116	prostaglandin E synthase
MYO1C	Bt.4957.1.S1_at	DOWN	1.632467	myosin IC
TUFT1	Bt.4989.1.S1_at	DOWN	1.6930671	tuftelin 1
IL1RN	Bt.4199.1.S1_at	DOWN	2.0288105	interleukin 1 receptor antagonist
MOCOS	Bt.2610.1.S1_at	DOWN	3.1645107	molybdenum cofactor sulfurase
GRK5	Bt.4263.1.S1_at	DOWN	2.8036628	G protein-coupled receptor kinase 5
GPLD1	Bt.452.1.S1_at	DOWN	1.687801	glycosylphosphatidylinositol specific phospholipase D1
PECAM1	Bt.4653.1.S2_at	DOWN	2.1874979	platelet/endothelial cell adhesion molecule
UBQLN1	Bt.8857.1.S1_at	DOWN	1.3152435	ubiquilin 1
RAP1A	Bt.10622.1.S2_at	DOWN	1.730577	RAP1A, member of RAS oncogene family
ITPR3	Bt.9025.1.S1_at	DOWN	2.297503	inositol 1,4,5-trisphosphate receptor, type 3
UBQLN3	Bt.4018.1.S2_at	DOWN	2.0559053	ubiquilin 3
CALD1	Bt.355.1.S1_at	DOWN	2.3949463	caldesmon 1
IMPA1	Bt.424.1.S1_at	DOWN	2.1078281	inositol(myo)-1(or 4)-monophosphatase 1
GCNT1	Bt.521.1.S1_at	DOWN	2.2967424	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)
SLC2A3	Bt.3964.1.S1_at	DOWN	1.713611	solute carrier family 2 (facilitated glucose transporter), member 3
HINT3	Bt.9828.1.S1_at	DOWN	2.2248578	histidine triad nucleotide binding protein 3
GALNT1	Bt.2582.1.S1_at	DOWN	1.4306682	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1)
VEGFA	Bt.4138.1.S1_a_at	DOWN	2.2063868	vascular endothelial growth factor A
ATP6V1B1	Bt.4211.1.S1_at	DOWN	2.5351355	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B1
TRIM21	Bt.22980.1.S1_at	DOWN	1.8894808	tripartite motif-containing 21
MGAT4A	Bt.193.1.S1_at	DOWN	1.9309995	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A
ATP6V1A	Bt.4773.3.S1_a_at	DOWN	1.5090115	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A
MAPT	Bt.467.1.S1_at	DOWN	3.0309863	microtubule-associated protein tau
CD46	Bt.22840.1.S1_a_at	DOWN	2.0541933	CD46 molecule, complement regulatory protein
CYB5	Bt.5134.1.S1_at	DOWN	1.5604407	CYB5 protein
MANBA	Bt.1798.1.S1_at	DOWN	1.8855518	mannosidase, beta A, lysosomal
ATP8A1	Bt.Affx.1.2.S1_at	DOWN	2.3096642	ATPase, aminophospholipid transporter (APLT), Class I, type 8A,
ATP6V1G1	Bt.1990.1.S1_at	DOWN	1.2263072	ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G1
DGAT1	Bt.4276.1.S1_at	DOWN	1.2791715	diacylglycerol O-acyltransferase homolog 1 (mouse)
NPC1	Bt.7157.1.S1_at	DOWN	1.998235	Niemann-Pick disease, type C1
PLA2G15	Bt.9564.1.S1_at	DOWN	2.500126	phospholipase A2, group XV
SLC1A1	Bt.557.1.S1_at	DOWN	2.0778136	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1
COL1A2	Bt.8124.1.S1_at	DOWN	4.4035378	collagen, type I, alpha 2
UGT1A1 /// UGT1A6	Bt.15767.1.A2_at	DOWN	1.8513995	UDP glucuronosyltransferase 1 family, polypeptide A1 /// UDP glucuronosyltransferase 1 family, polypeptide A6
CALR	Bt.7676.2.S1_a_at	DOWN	2.1008017	calreticulin
CD46	Bt.22840.2.S1_at	DOWN	1.5225415	CD46 molecule, complement regulatory protein
LAMP1	Bt.5330.1.S1_at	DOWN	2.279013	lysosomal-associated membrane protein 1
LAMP1	Bt.24674.1.A1_s_at	DOWN	1.5531566	lysosomal-associated membrane protein 1
DSC2	Bt.4107.1.S1_at	DOWN	2.5048397	desmocollin 2
CDH1	Bt.13021.1.S1_at	DOWN	1.81417	cadherin 1, type 1, E-cadherin (epithelial)
ATP6V1A	Bt.4773.2.S1_a_at	DOWN	1.8397157	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A
COX6B2	Bt.29868.1.S1_at	DOWN	1.7896333	cytochrome c oxidase subunit VIb testes-specific isoform
AKR1B1	Bt.1330.1.S1_at	DOWN	1.9751257	aldo-keto reductase family 1, member B1 (aldose reductase)
CYB5R3	Bt.4873.1.S1_at	DOWN	2.0812116	cytochrome b5 reductase 3
CTSZ	Bt.4902.1.S1_at	DOWN	1.7437482	cathepsin Z
S100A11	Bt.3750.1.S1_at	DOWN	2.5641608	S100 calcium binding protein A11 (calgizarin)
LOC509513 /// TRB@	Bt.1978.1.S1_at	DOWN	1.7757453	hypothetical LOC509513 /// T cell receptor, beta cluster
LDLR	Bt.3562.1.S1_at	DOWN	2.745415	low density lipoprotein receptor
GHTM	Bt.7007.1.S2_at	DOWN	1.2586552	growth hormone inducible transmembrane protein
PGRMC1	Bt.12820.1.S1_at	DOWN	1.4987307	progesterone receptor membrane component 1
VEGFA	Bt.4138.2.S1_at	DOWN	3.6201696	vascular endothelial growth factor A
P2RX4	Bt.15997.1.S1_at	DOWN	1.8819643	purinergic receptor P2X, ligand-gated ion channel, 4
ATP1A1	Bt.21223.1.S1_at	DOWN	2.0966442	ATPase, Na+/K+ transporting, alpha 1 polypeptide
ADIPOR2	Bt.805.1.S1_at	DOWN	1.4793402	adiponectin receptor 2
CLIC4	Bt.2563.1.S1_at	DOWN	1.5844374	chloride intracellular channel 4
DNMT3A	Bt.22981.1.S1_at	DOWN	1.7192851	DNA (cytosine-5-)-methyltransferase 3 alpha
MBP	Bt.6405.1.S1_at	DOWN	1.7244714	myelin basic protein
DNMT3A	Bt.22981.2.S1_a_at	DOWN	1.853779	DNA (cytosine-5-)-methyltransferase 3 alpha
LOC786885 /// SLC2A5	Bt.12774.1.S1_at	DOWN	2.4692192	similar to SLC2A5 protein /// solute carrier family 2 (facilitated glucose/fructose transporter), member 5
TMBIM6	Bt.2416.1.S1_at	DOWN	1.4350244	transmembrane BAX inhibitor motif containing 6

QSOX1	Bt.23098.1.S1_at	DOWN	2.4718912	quiescin Q6 sulfhydryl oxidase 1
NP	Bt.3800.1.S1_at	DOWN	1.6141865	nucleoside phosphorylase
CHCHD5	Bt.3035.2.S1_at	DOWN	1.9494803	Coiled-coil-helix-coiled-coil domain containing 5
SAT1	Bt.7594.1.S1_at	DOWN	1.7996861	spermidine/spermine N1-acetyltransferase 1
LOC514812	Bt.12663.1.S1_at	DOWN	2.1185129	cytokeratin 19
TXNDC5	Bt.7078.1.S1_at	DOWN	1.995411	thioredoxin domain containing 5 (endoplasmic reticulum)
HSD17B11	Bt.23331.1.S1_at	DOWN	1.8607442	
RPN2	Bt.11993.1.S1_at	DOWN	1.4249008	hydroxysteroid (17-beta) dehydrogenase 11
C13H20ORF108	Bt.6130.1.S1_at	DOWN	1.2249447	ribophorin II
SCP2	Bt.1858.1.A1_at	DOWN	1.3282955	chromosome 20 open reading frame 108 ortholog
COPA	Bt.11188.1.S1_at	DOWN	1.7264707	sterol carrier protein 2
NADK	Bt.7428.1.S1_at	DOWN	1.3490351	coatamer protein complex, subunit alpha
EPAS1	Bt.5399.1.S1_at	DOWN	1.5060939	NAD kinase
ASL	Bt.4353.2.S1_at	DOWN	3.2044814	endothelial PAS domain protein 1
GALE	Bt.10013.1.S1_at	DOWN	1.865704	argininosuccinate lyase
AUP1	Bt.12474.1.S1_at	DOWN	1.3618236	UDP-galactose-4-epimerase
PTTG1IP	Bt.4030.1.S1_at	DOWN	1.5487318	ancient ubiquitous protein 1
ALDH3A2	Bt.7826.1.S1_at	DOWN	1.70419	pituitary tumor-transforming 1 interacting protein
LOC788353	Bt.5487.1.S1_at	DOWN	1.7769117	aldehyde dehydrogenase 3 family, member A2
ELOVL1	Bt.20503.1.A1_at	DOWN	1.4845366	Similar to Uncharacterized protein KIAA1522 homolog
ACY1 /// LOC790609	Bt.5144.1.S1_at	DOWN	2.2130535	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1
CTSH	Bt.12885.1.S1_at	DOWN	1.5685037	aminoacylase 1 /// similar to aminoacylase 1
B3GNT3	Bt.1031.1.S1_at	DOWN	1.958408	cathepsin H
S100A16	Bt.1272.1.S1_at	DOWN	2.6526897	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3
SC4MOL	Bt.12434.1.S1_at	DOWN	2.2571383	S100 calcium binding protein A16
HPCAL1	Bt.23212.1.S1_at	DOWN	1.4773349	sterol-C4-methyl oxidase-like
MYO1B	7-Sep Bt.6830.1.S1_at	DOWN	1.2893349	septin 7
ATP6V0B	Bt.9226.1.S1_at	DOWN	2.0392032	hippocalcin-like 1
AK1	Bt.979.1.A1_at	DOWN	1.544989	myosin IB
PLEKHO2	Bt.4227.1.S1_at	DOWN	1.3477199	ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b
VAMP8	Bt.4224.1.S1_at	DOWN	3.0853515	adenylate kinase 1
MAPK13	Bt.4588.1.S1_at	DOWN	2.3146458	pleckstrin homology domain containing, family O member 2
TMED10	Bt.2366.1.S1_at	DOWN	1.6890552	Vesicle-associated membrane protein 8 (endobrevin)
FBLIM1	Bt.800.1.S1_at	DOWN	3.1524477	mitogen-activated protein kinase 13
PDIA4	Bt.8356.1.S1_at	DOWN	1.6125892	transmembrane emp24-like trafficking protein 10 (yeast)
NFE2L1	Bt.2860.1.S1_at	DOWN	1.5737578	filamin binding LIM protein 1
TCIRG1	Bt.23128.1.S1_at	DOWN	1.8315167	Protein disulfide isomerase family A, member 4
RAB7A	Bt.12885.2.S1_at	DOWN	1.3790407	nuclear factor (erythroid-derived 2)-like 1
ATAD4	Bt.20576.1.S1_at	DOWN	1.7540509	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3
DBNL	Bt.2741.1.A1_at	DOWN	1.6834357	RAB7A, member RAS oncogene family
RHOU	Bt.6413.1.S1_at	DOWN	1.9041957	ATPase family, AAA domain containing 4
HN1	Bt.13577.1.S1_at	DOWN	1.3216993	drebrin-like
SCAMP2	Bt.2846.1.A1_at	DOWN	1.2881093	ras homolog gene family, member U
LONP2	Bt.23106.1.S1_at	DOWN	1.5256966	hematological and neurological expressed 1
EDEM2	Bt.5634.1.S1_at	DOWN	1.324874	secretory carrier membrane protein 2
RNF146	Bt.6987.1.S1_at	DOWN	1.8078107	
TSPAN13	Bt.3826.1.S1_at	DOWN	1.899426	lon peptidase 2, peroxisomal
LOC614824	Bt.21300.1.S1_at	DOWN	1.8442067	ER degradation enhancer, mannosidase alpha-like 2
YWHAQ	Bt.9658.1.S1_at	DOWN	1.4122819	ring finger protein 146
SERPINB1	Bt.10098.1.S1_at	DOWN	1.6383852	tetraspanin 13
B4GALT3	Bt.1522.1.A1_at	DOWN	3.273505	similar to Putative hexokinase HKDC1 (Hexokinase domain-containing protein 1)
BCAT2	Bt.8674.1.A1_at	DOWN	1.355849	
PPIF	Bt.23254.1.S1_at	DOWN	1.3785968	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
DEGS1	Bt.7629.1.S1_at	DOWN	2.3039327	Serpin peptidase inhibitor, clade B (ovalbumin), member 1
ATP6V1A	Bt.4375.1.S1_at	DOWN	2.046601	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 3
DSP	Bt.9004.1.S1_at	DOWN	3.346176	branched chain aminotransferase 2, mitochondrial
FASN	Bt.24305.1.A1_at	DOWN	1.6794084	
RNF5	Bt.9791.1.S1_at	DOWN	2.2682114	Peptidylprolyl isomerase F (cyclophilin F)
ABHD14B	Bt.6334.1.A1_at	DOWN	1.1755136	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)
SEC16A	Bt.4773.4.S1_at	DOWN	1.2239133	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A
SSH3	Bt.1818.1.S1_at	DOWN	1.9284462	desmoplakin
AGTRAP	Bt.22854.2.S1_at	DOWN	1.3592035	fatty acid synthase
VASP	Bt.1678.1.S1_at	DOWN	1.548398	ring finger protein 5
CHKB	Bt.12421.1.S1_at	DOWN	2.0493875	abhydrolase domain containing 14B
RAB2A	Bt.22243.1.S1_at	DOWN	2.0301287	
PDCD6IP	Bt.4021.1.S1_at	DOWN	1.622125	SEC16 homolog A (S. cerevisiae)
PACSIN3	Bt.9134.1.S1_at	DOWN	2.1897383	slingshot homolog 3 (Drosophila)
ELF3	Bt.4462.1.S1_at	DOWN	2.4369237	angiotensin II receptor-associated protein
LOC534796	Bt.29377.1.S1_at	DOWN	2.0379043	vasodilator-stimulated phosphoprotein
NICN1	Bt.8867.1.S1_at	DOWN	1.3691481	choline kinase beta
PPOX	Bt.2757.1.S1_at	DOWN	1.3339825	RAB2A, member RAS oncogene family
UAP1	Bt.9742.1.S1_at	DOWN	1.4848543	programmed cell death 6 interacting protein
ASRGL1	Bt.3390.1.S1_at	DOWN	1.8216702	similar to protein kinase C and casein kinase substrate in neurons 3
ELF1	Bt.3406.1.S1_at	DOWN	2.2760255	E74-like factor 3 (ets domain transcription factor, epithelial-specific)
NEDD4L	Bt.21329.1.S1_at	DOWN	1.6985629	similar to RIKEN cDNA 1810009O10 gene
TACSTD2	Bt.2857.1.S1_at	DOWN	1.3917685	nicotin 1
FURIN	Bt.4335.1.S1_at	DOWN	1.9231489	protoporphyrinogen oxidase
RAB31	Bt.7775.1.A1_at	DOWN	1.4132466	UDP-N-acetylglucosamine pyrophosphorylase 1
HYAL1	Bt.685.1.A1_at	DOWN	1.3522983	Asparaginase like 1
KDELR3	Bt.4654.1.A1_at	DOWN	1.9984648	E74-like factor 1 (ets domain transcription factor)
RNF13	Bt.3892.1.S1_at	DOWN	2.7746253	neural precursor cell expressed, developmentally down-regulated 4-like
REPIN1	Bt.1694.1.S1_at	DOWN	1.8425508	tumor-associated calcium signal transducer 2
GRAMD3	Bt.21338.1.S1_at	DOWN	1.8998628	furin (paired basic amino acid cleaving enzyme)
HMBS	Bt.12393.1.S1_at	DOWN	1.7817433	
SLCO2B1	Bt.1267.1.S1_at	DOWN	1.9566823	
MAPK3	Bt.22771.1.S1_at	DOWN	3.8425388	RAB31, member RAS oncogene family
BCAS4	Bt.4740.1.S1_at	DOWN	2.3837957	hyaluronoglucosaminidase 1
	Bt.8724.1.S1_at	DOWN	1.8471812	
	Bt.6726.1.S1_at	DOWN	1.5715092	
	Bt.1199.1.S1_at	DOWN	1.6119602	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3
	Bt.10723.1.S1_at	DOWN	1.3302925	ring finger protein 13
	Bt.6873.1.A1_at	DOWN	2.635254	replication initiator 1
	Bt.3577.1.S1_at	DOWN	1.6865247	GRAM domain containing 3
	Bt.21218.1.A1_at	DOWN	1.2588438	hydroxymethylbilane synthase
	Bt.12849.2.S1_at	DOWN	1.850072	solute carrier organic anion transporter family, member 2B1
	Bt.5687.1.S1_at	DOWN	1.8703656	mitogen-activated protein kinase 3
	Bt.9008.1.A1_at	DOWN	1.472802	
	Bt.9411.1.S1_at	DOWN	1.9296261	breast carcinoma amplified sequence 4
	Bt.3854.1.S1_at	DOWN	2.2317588	

PLEKHF1	Bt.2421.1.A1_at	DOWN	1.5771481	pleckstrin homology domain containing, family F (with FYVE domain) member 1
TMEM161B	Bt.13294.1.A1_at	DOWN	1.5752664	transmembrane protein 161B
GPR177	Bt.21227.1.A1_at	DOWN	1.905158	G protein-coupled receptor 177
C7H5orf32	Bt.10278.1.S1_at	DOWN	1.6832716	chromosome 5 open reading frame 32 ortholog
TAOK3	Bt.27168.1.A1_a_at	DOWN	1.6326692	TAO kinase 3
AKR1A1	Bt.4449.1.S1_at	DOWN	1.6064383	aldo-keto reductase family 1, member A1 (aldehyde reductase)
SPTAN1	Bt.12505.1.S1_at	DOWN	1.7384789	spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)
ACTC1	Bt.12491.1.A1_at	DOWN	3.625737	actin, alpha, cardiac muscle 1
PCBD1	Bt.23171.2.S1_at	DOWN	1.6595894	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha
APRT	Bt.6947.1.S1_at	DOWN	1.3558272	adenine phosphoribosyltransferase
CALD1	Bt.23326.2.A1_at	DOWN	2.0702112	Caldesmon 1
LRP10	Bt.15938.1.S1_at	DOWN	1.7195147	low density lipoprotein receptor-related protein 10
CCBL1 /// LOC781863 /// L.Bt.4981.1.S1_at		DOWN	2.5309763	cysteine conjugate-beta lyase, cytoplasmic /// similar to cytoplasmic cysteine conjugate-beta lyase /// similar to Cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kynurenine aminotransferase)
TOR3A	Bt.20284.1.S1_at	DOWN	1.4710959	torsin family 3, member A
AP2A2	Bt.2041.1.S1_at	DOWN	1.7179219	adaptor-related protein complex 2, alpha 2 subunit
FHL2	Bt.4451.1.S1_at	DOWN	2.7249491	four and a half LIM domains 2
CD3EAP	Bt.12721.1.A1_at	DOWN	1.5010881	CD3e molecule, epsilon associated protein
COMT	Bt.1539.1.S1_at	DOWN	1.8305763	catechol-O-methyltransferase
PTPRF	Bt.8578.1.S1_at	DOWN	3.4997206	protein tyrosine phosphatase, receptor type, F
PLS1	Bt.5379.1.S1_at	DOWN	2.1438317	plastin 1 (I isoform)
C19H17orf37	Bt.28171.1.S1_at	DOWN	1.9980632	chromosome 17 open reading frame 37 ortholog
PLSCR1	Bt.17107.1.S1_at	DOWN	1.4455956	phospholipid scramblase 1
LEPROT	Bt.10152.1.A1_at	DOWN	2.1166909	leptin receptor overlapping transcript
TAT	Bt.8345.1.S1_at	DOWN	1.7743182	tyrosine aminotransferase
ARSA	Bt.20003.1.A1_at	DOWN	1.6329073	arylsulfatase A
COTL1	Bt.1076.1.S1_at	DOWN	2.090421	coactosin-like 1 (Dictyostelium)
CTSA	Bt.4915.1.S1_at	DOWN	2.1849942	cathepsin A
WSB1	Bt.21410.1.S1_at	DOWN	1.9723848	WD repeat and SOCS box-containing 1
MYLK	Bt.20080.1.S1_at	DOWN	1.7605482	myosin light chain kinase
EXOC7	Bt.11424.1.S1_at	DOWN	1.9407552	exocyst complex component 7
MSN	Bt.1086.1.S1_at	DOWN	1.5394597	moesin
C16orf5	Bt.9207.1.S1_at	DOWN	1.6581413	chromosome 16 open reading frame 5
AP2B1	Bt.9310.1.S1_at	DOWN	1.7365301	adaptor-related protein complex 2, beta 1 subunit
FUCA1	Bt.3175.1.S1_at	DOWN	1.4467969	fucosidase, alpha-L- 1, tissue
PDZK1	Bt.2169.1.S1_at	DOWN	1.6028516	PDZ domain containing 1
MCFD2	Bt.5058.1.S1_at	DOWN	2.2543557	multiple coagulation factor deficiency 2
METTL13	Bt.5173.1.A1_at	DOWN	1.8888392	methyltransferase like 13
C5H22orf32	Bt.21597.1.S1_at	DOWN	1.7734954	chromosome 22 open reading frame 32 ortholog
RNF167	Bt.15724.1.S1_at	DOWN	1.1725883	ring finger protein 167
LOC520505	Bt.12475.1.S1_at	DOWN	1.4103253	similar to SIN3 homolog B, transcription regulator (yeast)
STAU1	Bt.7030.1.S1_at	DOWN	1.3172307	staufen, RNA binding protein, homolog 1 (Drosophila)
P4HA2	Bt.26373.2.A1_at	DOWN	1.2397398	prolyl 4-hydroxylase, alpha polypeptide II
NDNL2	Bt.4381.1.A1_at	DOWN	2.03005	necdin-like 2
LOC100138017	Bt.7311.1.S1_at	DOWN	1.2965044	similar to protein tyrosine phosphatase, receptor type, A
ACAT2	Bt.4458.1.A1_at	DOWN	1.5698293	acetyl-Coenzyme A acetyltransferase 2
CTSL1	Bt.4585.1.S1_at	DOWN	2.0787868	cathepsin L1
BEX5	Bt.10200.1.S1_at	DOWN	1.7696298	BEX family member 5
ITGB7	Bt.20617.1.S1_at	DOWN	1.7875288	integrin, beta 7
HMOX2	Bt.21061.1.A1_at	DOWN	3.192577	heme oxygenase (decycling) 2
GAS6	Bt.12633.1.S1_at	DOWN	7.6155887	growth arrest-specific 6
CGN	Bt.3226.1.S1_at	DOWN	1.7780124	cingulin
LRRC41	Bt.712.1.S1_at	DOWN	2.370277	leucine rich repeat containing 41
TMEM106C	Bt.11656.1.S1_at	DOWN	1.9348029	transmembrane protein 106C
LOC524279	Bt.4370.2.S1_at	DOWN	2.3500464	similar to LPS-responsive vesicle trafficking, beach and anchor
SH3YL1	Bt.8848.1.S1_at	DOWN	1.647501	SH3 domain containing, Ysc84-like 1 (S. cerevisiae)
SYNPO	Bt.1341.1.S1_at	DOWN	1.4491209	synaptopodin
TMEM86A	Bt.5323.1.S1_at	DOWN	2.251729	transmembrane protein 86A
MGRN1	Bt.20538.1.S1_at	DOWN	2.0323036	mahogunin, ring finger 1
TUBB6	Bt.12662.1.S1_at	DOWN	2.993851	tubulin, beta 6
DDT	Bt.25695.1.S1_at	DOWN	2.375059	D-dopachrome tautomerase
HEXA	Bt.13695.1.S1_at	DOWN	1.9287118	hexosaminidase A (alpha polypeptide)
INSIG1	Bt.5445.3.A1_at	DOWN	2.086485	insulin induced gene 1
PRCP	Bt.9047.1.S1_at	DOWN	1.7627437	prolylcarboxypeptidase (angiotensinase C)
LOC511594	Bt.6065.1.S1_at	DOWN	1.3689075	Similar to cell adhesion molecule JCAM
NFKB1	Bt.24614.1.S1_at	DOWN	1.9649264	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
LOC504513	Bt.23127.1.S1_at	DOWN	1.5131001	hypothetical LOC504513
ZNF34	Bt.3194.1.S1_at	DOWN	1.9336979	zinc finger protein 34
NID2	Bt.9309.1.A1_at	DOWN	2.045895	nidogen 2 (osteonidogen)
LOC538940	Bt.3415.1.A1_at	DOWN	3.3277395	similar to codanin 1
MFSKD10	Bt.27106.1.S1_at	DOWN	1.5762882	major facilitator superfamily domain containing 10
DHTKD1	Bt.16087.1.S1_at	DOWN	2.4016876	dehydrogenase E1 and transketolase domain containing 1
PPP6C	Bt.5042.2.S1_at	DOWN	1.2818292	protein phosphatase 6, catalytic subunit
MGC134574	Bt.23518.2.S1_at	DOWN	1.5390375	Hypothetical LOC505226
ATP6AP2	Bt.24240.1.S1_at	DOWN	1.5968032	ATPase, H+ transporting, lysosomal accessory protein 2
LOC614959	Bt.9240.1.A1_at	DOWN	1.446174	similar to sel-1 suppressor of lin-12-like
MYO6	Bt.17517.1.S1_at	DOWN	2.3927922	myosin VI
SNTB2	Bt.14987.1.A1_at	DOWN	1.496807	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)
EDEM3	Bt.10262.1.A1_at	DOWN	1.3549367	ER degradation enhancer, mannosidase alpha-like 3
HEYL	Bt.6279.1.A1_at	DOWN	1.9009752	hairly/enhancer-of-split related with YRPW motif-like
ECOP	Bt.13371.1.S1_at	DOWN	1.8418676	EGFR-coamplified and overexpressed protein
PLEKHM2	Bt.14902.1.A1_at	DOWN	1.5546467	pleckstrin homology domain containing, family M (with RUN domain) member 2
ZYX	Bt.20348.1.A1_at	DOWN	2.1266321	zyxin
S100A14	Bt.5001.1.A1_at	DOWN	3.9054887	S100 calcium binding protein A14
CLN3	Bt.3314.1.S1_at	DOWN	1.9356887	ceroid-lipofuscinosis, neuronal 3
SLC31A2	Bt.23348.1.S1_a_at	DOWN	2.1276937	solute carrier family 31 (copper transporters), member 2
RAB9A	Bt.21342.1.S1_at	DOWN	1.9456538	RAB9A, member RAS oncogene family
TEAD3	Bt.11228.1.S1_a_at	DOWN	1.8167611	TEA domain family member 3
SCARA5	Bt.12565.1.S1_at	DOWN	2.0549095	scavenger receptor class A, member 5
ABCB1 /// LOC781361 /// L.Bt.15958.2.A1_a_at	Bt.3243.1.S1_at	DOWN	1.3700181	ATP-binding cassette, sub-family B (MDR/TAP), member 1 /// similar to ATP-binding cassette, subfamily B, member 4 /// similar to Multidrug resistance protein 1
RAB11FIP5	Bt.11267.1.S1_at	DOWN	2.2754538	RAB11 family interacting protein 5 (class I)
TPD52	Bt.12715.1.S1_at	DOWN	2.9716432	tumor protein D52
CRADD	Bt.12715.1.S1_at	DOWN	2.9716432	CASP2 and RIPK1 domain containing adaptor with death domain

PKP2	Bt.21547.1.A1_at	DOWN	1.6612749	plakophilin 2
BAMBI	Bt.5177.1.S1_at	DOWN	1.8745431	BMP and activin membrane-bound inhibitor homolog (Xenopus laevis)
ARHGAP24	Bt.3313.1.A1_at	DOWN	1.9428596	Rho GTPase activating protein 24
CCDC13	Bt.26384.1.S1_at	DOWN	1.6737779	coiled-coil domain containing 13
CTDSPL	Bt.20846.1.A1_at	DOWN	1.7961951	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like
	Bt.16114.1.S1_at	DOWN	2.7568293	
	Bt.17059.1.S1_at	DOWN	1.4410315	
MTMR11	Bt.16096.1.A1_at	DOWN	2.1110466	myotubularin related protein 11
RNASEK	Bt.4634.2.S1_a_at	DOWN	1.791709	ribonuclease, RNase K
TLN2	Bt.18354.1.A1_at	DOWN	1.6023868	talin 2
SIGIRR	Bt.1676.1.A1_at	DOWN	1.7832704	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain
SLAIN2	Bt.18926.1.A1_s_at	DOWN	1.6816709	SLAIN motif family, member 2
PERP	Bt.9633.1.S1_at	DOWN	1.7748274	PERP, TP53 apoptosis effector
AGPAT2	Bt.22590.1.S1_at	DOWN	1.8822434	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
AP3S2	Bt.8933.1.S1_at	DOWN	1.2216427	adaptor-related protein complex 3, sigma 2 subunit
GUSB	Bt.15712.1.S1_at	DOWN	1.3757398	glucuronidase, beta
TMCO1	Bt.10047.1.S1_at	DOWN	1.3834361	transmembrane and coiled-coil domains 1
BAT5	Bt.20175.1.S1_at	DOWN	1.4886125	HLA-B associated transcript 5
TNIP1	Bt.5432.1.S1_at	DOWN	2.3629549	TNFAIP3 interacting protein 1
C7H5ORF15	Bt.10018.1.S1_at	DOWN	1.2190514	chromosome 5 open reading frame 15 ortholog
TMEM159	Bt.14626.1.S1_a_at	DOWN	2.506747	transmembrane protein 159
TMEM159	Bt.14626.1.S1_at	DOWN	2.2745895	transmembrane protein 159
HCK	Bt.22050.1.S1_at	DOWN	2.1023638	hemopoietic cell kinase
HIVEP2	Bt.8012.1.S1_at	DOWN	1.4973389	human immunodeficiency virus type 1 enhancer binding protein 2
PLDN	Bt.9991.1.S1_at	DOWN	1.2598597	Pallidin homolog (mouse)
LOC520588	Bt.8736.1.S1_at	DOWN	1.5582949	similar to chromosome 1 open reading frame 9
MPP5	Bt.1135.1.A1_at	DOWN	1.5422075	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)
	Bt.13306.1.S1_at	DOWN	1.9604665	
	Bt.7651.1.S1_at	DOWN	1.376144	
ASB11	Bt.18627.1.S1_at	DOWN	1.9178324	ankyrin repeat and SOCS box-containing 11
PITPNM1	Bt.5630.1.S1_at	DOWN	1.4826312	phosphatidylinositol transfer protein, membrane-associated 1
LOC617691	Bt.2581.1.S1_at	DOWN	1.4032843	hypothetical protein LOC617691
ADPGK	Bt.827.1.A1_at	DOWN	2.7652328	ADP-dependent glucokinase
TMEM125	Bt.23935.1.A1_at	DOWN	1.5990231	transmembrane protein 125
	Bt.13545.1.S1_at	DOWN	2.4917307	
GRHL1	Bt.22003.1.S1_at	DOWN	1.5322754	grainyhead-like 1 (Drosophila)
HERC2	Bt.4994.1.S1_at	DOWN	1.7302738	hect domain and RLD 2
TMEM165	Bt.28310.1.S1_at	DOWN	3.57086	transmembrane protein 165
	Bt.16737.1.A1_at	DOWN	1.2907542	
ASPH	Bt.8362.1.A1_at	DOWN	2.2959282	Aspartate beta-hydroxylase
	Bt.22103.1.S1_at	DOWN	1.9753495	
	Bt.10161.1.A1_at	DOWN	4.9670405	
TMEM79	Bt.6386.1.A1_at	DOWN	1.8552217	transmembrane protein 79
	Bt.4959.1.A1_at	DOWN	2.2885768	
	Bt.4466.1.A1_at	DOWN	1.3457422	
PHF2	Bt.22022.1.A1_at	DOWN	1.5564738	PHD finger protein 2
LOC511424	Bt.14136.1.A1_at	DOWN	2.0184307	hypothetical protein LOC511424
ENDOD1	Bt.5713.1.A1_at	DOWN	1.9912192	endonuclease domain containing 1
EPHB6	Bt.18002.1.A1_at	DOWN	1.5385113	EPH receptor B6
ZNF470	Bt.24343.1.A1_at	DOWN	2.0872412	Zinc finger protein 470
CLDN1				claudin 1
SMPD3	Bt.3716.1.A1_at	DOWN	1.9017296	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)
XRCC4	Bt.27097.1.A1_at	DOWN	1.7667282	X-ray repair complementing defective repair in Chinese hamster cells 4
	Bt.6566.1.A1_at	DOWN	1.8882855	
	Bt.6537.1.S1_at	DOWN	2.4174607	
SLC24A6	Bt.5813.2.S1_at	DOWN	1.6654665	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 24
CARM1	Bt.15561.1.S1_at	DOWN	1.9072069	coactivator-associated arginine methyltransferase 1
EFHD2	Bt.6087.1.S1_at	DOWN	2.4447796	EF-hand domain family, member D2
TM4SF1	Bt.12572.1.S1_at	DOWN	1.7496111	transmembrane 4 L six family member 1
PIGS	Bt.22759.1.S1_at	DOWN	2.696236	phosphatidylinositol glycan anchor biosynthesis, class S
SLC40A1				solute carrier family 40 (iron-regulated transporter), member 1
SMARCA4	Bt.1054.1.S1_at	DOWN	1.9930128	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
CASP2	Bt.11160.1.S1_at	DOWN	1.1816574	Caspase 2, apoptosis-related cysteine peptidase
PQLC2	Bt.1898.1.S1_at	DOWN	1.5609045	PQ loop repeat containing 2
PTPN3	Bt.20261.1.S1_at	DOWN	2.480027	protein tyrosine phosphatase, non-receptor type 3
SLC29A2	Bt.26918.1.S1_at	DOWN	1.2556243	solute carrier family 29 (nucleoside transporters), member 2
DDHD2	Bt.3208.1.S1_at	DOWN	1.3402134	DDHD domain containing 2
ATP2A2	Bt.1059.1.S1_at	DOWN	1.5618005	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
ABCC5	Bt.20007.1.S1_a_at	DOWN	1.3814199	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
	Bt.10444.1.S1_at	DOWN	1.5507126	
NRBP2	Bt.22053.1.S1_at	DOWN	2.5836046	nuclear receptor binding protein 2
	Bt.8494.1.S1_at	DOWN	1.3260195	
RNASET2	Bt.21732.1.S1_at	DOWN	1.3988533	ribonuclease T2
	100125581 Bt.16761.2.S1_at	DOWN	1.4520047	hypothetical protein LOC100125581
	Bt.1442.1.S1_at	DOWN	1.6359336	
	Bt.8876.1.S1_at	DOWN	1.6473932	
PIAS1	Bt.4119.1.S1_at	DOWN	1.5875567	protein inhibitor of activated STAT, 1
TBC1D2B	Bt.23000.2.S1_a_at	DOWN	1.916973	TBC1 domain family, member 2B
MLH1	Bt.5658.1.S1_s_at	DOWN	1.8600154	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
ATP6V0A4	Bt.22301.1.S1_at	DOWN	1.3551797	ATPase, H+ transporting, lysosomal V0 subunit a4
PMVK	Bt.22207.1.S1_at	DOWN	1.6333841	phosphomevalonate kinase
	Bt.15631.1.S1_at	DOWN	1.6833177	
MTCP1	Bt.27139.1.S1_at	DOWN	1.4966373	mature T-cell proliferation 1
	Bt.28202.1.S1_at	DOWN	1.2972128	
SNX6	Bt.19243.1.A1_at	DOWN	1.3609072	sorting nexin 6
	Bt.29540.1.S1_at	DOWN	1.4293907	
LOC513722	Bt.21060.1.S1_at	DOWN	1.672615	similar to centaurin, delta 3
	Bt.26609.1.S1_at	DOWN	1.9692945	
LOC520730	Bt.21563.1.S1_at	DOWN	2.0263057	similar to WW, C2 and coiled-coil domain containing 1
MAPKAPK2	Bt.24479.1.S1_at	DOWN	1.7248776	mitogen-activated protein kinase-activated protein kinase 2
LOC100137763	Bt.20934.1.S1_at	DOWN	1.6887562	hypothetical protein LOC100137763
	Bt.16109.1.S1_at	DOWN	2.2623284	
	Bt.21137.1.S1_at	DOWN	3.013996	
MGC152084	Bt.21097.1.S1_at	DOWN	1.6068543	Hypothetical LOC522276
	Bt.8275.1.S1_at	DOWN	2.1418955	
PRSS23	Bt.20330.1.S1_at	DOWN	2.1575658	protease, serine, 23
FAT1	Bt.28623.1.S1_at	DOWN	2.3985527	FAT tumor suppressor homolog 1 (Drosophila)
SLC33A1	Bt.26889.1.S1_at	DOWN	1.7242669	solute carrier family 33 (acetyl-CoA transporter), member 1
PRKCH	Bt.22013.1.S1_at	DOWN	2.9304416	Protein kinase C, eta
LRIG3	Bt.22664.1.A1_at	DOWN	1.5056169	leucine-rich repeats and immunoglobulin-like domains 3
SSFA2	Bt.22280.1.S1_at	DOWN	3.079676	sperm specific antigen 2
PLEKHH1	Bt.27032.1.S1_at	DOWN	2.0447702	similar to Pleckstrin homology domain-containing family H member 1
	Bt.20988.1.S1_at	DOWN	1.2292773	

GIN1	Bt.6867.1.A1_at	DOWN	1.5982115	gypsy retrotransposon integrase 1
TPD52L1	Bt.15740.1.A1_at	DOWN	2.1504338	tumor protein D52-like 1
ACSL6	Bt.11904.1.S1_at	DOWN	2.0768225	acyl-CoA synthetase long-chain family member 6
	Bt.17544.1.A1_at	DOWN	2.2073386	
	Bt.26204.1.A1_at	DOWN	1.8895757	
LOC529947	Bt.25478.1.A1_at	DOWN	2.660267	similar to signal peptide, CUB domain, EGF-like 2
IRF5	Bt.18476.1.A1_a_at	DOWN	2.5273736	interferon regulatory factor 5
IRF5	Bt.18476.1.A1_at	DOWN	2.0041819	interferon regulatory factor 5
SPHK2	Bt.5158.1.A1_a_at	DOWN	1.7496669	sphingosine kinase 2
LOC529373	Bt.1180.1.A1_at	DOWN	1.6563694	similar to MYST histone acetyltransferase (monocytic leukemia) 3
	Bt.10232.1.A1_at	DOWN	1.7750251	
FLVCR2	Bt.10342.1.A1_s_at	DOWN	1.9855944	feline leukemia virus subgroup C cellular receptor family, member 2
LCK	Bt.21333.1.A1_at	DOWN	1.4671894	lymphocyte-specific protein tyrosine kinase
	Bt.20823.1.A1_at	DOWN	1.7153559	
PPP1R3D	Bt.22576.1.A1_at	DOWN	2.324611	protein phosphatase 1, regulatory (inhibitor) subunit 3D
CLN8	Bt.16727.1.A1_at	DOWN	1.8957022	ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation)
SNX4	Bt.7574.1.S1_at	DOWN	1.4394171	sorting nexin 4
SH3BGR2	Bt.16036.1.S1_at	DOWN	2.3297203	SH3 domain binding glutamic acid-rich protein like 2
MALT1	Bt.11642.1.A1_at	DOWN	2.0821755	Mucosa associated lymphoid tissue lymphoma translocation gene 1
TOM1L1	Bt.28054.1.S1_at	DOWN	1.496635	target of myb1 (chicken)-like 1
CPEB2	Bt.8979.1.A1_at	DOWN	2.0634274	cytoplasmic polyadenylation element binding protein 2
SHPK	Bt.14637.1.A1_at	DOWN	1.539138	sedoheptulokinase
AKAP8	Bt.14084.1.A1_at	DOWN	1.4660482	A kinase (PRKA) anchor protein 8
	Bt.27114.1.A1_at	DOWN	1.7975577	
SEC61A2	Bt.18228.1.A1_at	DOWN	1.4947581	Sec61 alpha 2 subunit (S. cerevisiae)
FAM110A	Bt.2927.1.A1_at	DOWN	2.1414137	family with sequence similarity 110, member A
LOC524939	Bt.21245.1.S1_at	DOWN	2.8374767	similar to epiplakin
WIPF1	Bt.9124.1.A1_at	DOWN	2.2909148	WAS/WASL interacting protein family, member 1
TNK1	Bt.16713.1.A1_at	DOWN	1.439803	Tyrosine kinase, non-receptor, 1
LOC537248	Bt.24421.1.A1_at	DOWN	2.220079	similar to ACPL2 protein
NHLRC3	Bt.17428.1.A1_at	DOWN	1.2267088	NHL repeat containing 3
ATG5	Bt.27505.1.A1_at	DOWN	2.2408404	ATG5 autophagy related 5 homolog (S. cerevisiae)
	Bt.16395.1.A1_at	DOWN	2.4539735	
BJRC3	Bt.9391.1.A1_at	DOWN	1.708437	baculoviral IAP repeat-containing 3
CAMSAP1	Bt.17586.1.A1_at	DOWN	1.3594704	calmodulin regulated spectrin-associated protein 1
SLAIN2	Bt.19061.1.A1_at	DOWN	1.6800202	SLAIN motif family, member 2
	Bt.11488.1.A1_at	DOWN	3.0038276	
LOC100139092	Bt.18895.1.A1_at	DOWN	3.0853028	similar to Probable G-protein coupled receptor 34
SYNGR1	Bt.21053.2.S1_at	DOWN	2.2420475	synaptogyrin 1
SYNGR1	Bt.21053.1.A1_at	DOWN	1.7799939	Synaptogyrin 1
LOC613274	Bt.13584.1.A1_at	DOWN	1.7051294	hypothetical protein LOC613274
KCTD9	Bt.16256.1.A1_at	DOWN	1.5932356	potassium channel tetramerisation domain containing 9
EIF2AK3	Bt.10056.1.S1_at	DOWN	1.2933242	eukaryotic translation initiation factor 2-alpha kinase 3
EIF4E3	Bt.18928.1.A1_at	DOWN	1.3911227	eukaryotic translation initiation factor 4E family member 3
FADS3	Bt.21470.2.S1_a_at	DOWN	2.8921998	fatty acid desaturase 3
	Bt.9286.1.S1_at	DOWN	2.6377804	
GLB1	Bt.6127.1.S1_at	DOWN	1.4916139	galactosidase, beta 1
AKR7A2	Bt.11078.1.S1_a_at	DOWN	1.5979292	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)
RNF149	Bt.6434.1.S1_at	DOWN	2.3869617	ring finger protein 149
SEC11C	Bt.20472.1.S1_at	DOWN	2.0761333	SEC11 homolog C (S. cerevisiae)
EXTL3	Bt.20033.1.S1_at	DOWN	1.7590641	Exostos (multiple)-like 3
C16H1ORF21	Bt.4584.1.S1_at	DOWN	2.2268884	chromosome 1 open reading frame 21 ortholog
	Bt.13562.1.S1_at	DOWN	1.6532323	
DENND2A	Bt.13852.1.S1_at	DOWN	1.3905278	DENN/MADD domain containing 2A
GPR56	Bt.22504.2.S1_at	DOWN	2.5651143	G protein-coupled receptor 56
STAP2	Bt.11739.1.S1_a_at	DOWN	2.1146538	signal transducing adaptor family member 2
FRMD4A	Bt.13450.1.S1_at	DOWN	1.7756194	FERM domain containing 4A
FOXK2	Bt.21181.1.S1_at	DOWN	1.3616924	forkhead box K2
SEMA4D	Bt.16024.1.S1_at	DOWN	2.0808978	Sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
	Bt.29928.1.S1_at	DOWN	1.2566155	
RALA	Bt.20439.1.S1_at	DOWN	1.753378	v-ral simian leukemia viral oncogene homolog A (ras related)
	Bt.12606.1.S1_a_at	DOWN	3.2320008	
ITGA3	Bt.2114.1.S1_at	DOWN	2.347096	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)
SMTN	Bt.4621.1.S1_a_at	DOWN	1.889781	smoothelin
PHF20	Bt.20683.1.S1_at	DOWN	2.2316575	PHD finger protein 20
NEK7	Bt.24538.1.S1_at	DOWN	1.3637913	NIMA (never in mitosis gene a)-related kinase 7
DHCR7	Bt.5449.1.S1_at	DOWN	1.4285213	7-dehydrocholesterol reductase
RFC5	Bt.4578.2.S1_at	DOWN	1.692828	Replication factor C (activator 1) 5, 36.5kDa
	Bt.20659.1.S1_at	DOWN	2.0018973	
BCAS3	Bt.22445.1.S1_at	DOWN	1.4104518	breast carcinoma amplified sequence 3
	Bt.18213.1.S1_at	DOWN	2.3922787	
FKBP15	Bt.26755.1.S1_at	DOWN	1.5505042	FK506 binding protein 15, 133kDa
LOC540056	Bt.24439.1.S1_at	DOWN	1.7543036	similar to Outcome predictor in acute leukemia 1
	Bt.15846.1.S1_at	DOWN	1.264355	
	Bt.28431.1.S1_at	DOWN	2.0524054	
PPM1M	Bt.4541.1.S1_at	DOWN	2.044656	Protein phosphatase 1M (PP2C domain containing)
	Bt.11869.1.S1_at	DOWN	1.6398143	
PPARD	Bt.13264.1.S1_at	DOWN	1.4560845	peroxisome proliferator-activated receptor delta
TMEM92	Bt.28201.1.S1_at	DOWN	2.2341611	transmembrane protein 92
	Bt.26589.1.S1_at	DOWN	1.6340948	membrane-associated ring finger (C3HC4) 6
DAB2	Bt.3814.1.S1_at	DOWN	2.150232	Disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)
GAB1	Bt.27091.1.S1_at	DOWN	2.3019512	GRB2-associated binding protein 1
MTUS1	Bt.8319.1.S1_at	DOWN	2.0400999	mitochondrial tumor suppressor 1
ABHD2	Bt.27404.1.S1_at	DOWN	2.099095	abhydrolase domain containing 2
AS3MT	Bt.21023.1.S1_at	DOWN	1.7202485	arsenic (+3 oxidation state) methyltransferase
	Bt.22335.1.S1_a_at	DOWN	1.4896716	
NIPSNAP3A	Bt.26872.1.S1_at	DOWN	2.0973637	nipsnap homolog 3A (C. elegans)
SGPP1	Bt.5587.1.S1_at	DOWN	1.9366424	sphingosine-1-phosphate phosphatase 1
RAB22A	Bt.9652.1.S1_at	DOWN	1.5349814	RAB22A, member RAS oncogene family
RAB15	Bt.12645.1.S1_at	DOWN	1.4631103	RAB15, member RAS oncogene family
	Bt.2518.1.S1_at	DOWN	1.4987463	
GOSR2	Bt.21532.1.S1_at	DOWN	1.5210124	golgi SNAP receptor complex member 2
RRAGC	Bt.15884.1.A1_at	DOWN	1.2471052	Ras-related GTP binding C
LOC510456	Bt.10140.1.S1_at	DOWN	1.8803953	similar to Nicotinamide riboside kinase 1
FHOD3	Bt.24819.1.S1_at	DOWN	2.5329607	formin homology 2 domain containing 3
PDGFB	Bt.27755.1.S1_at	DOWN	2.159497	platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)
NUAK2	Bt.20360.1.A1_at	DOWN	2.337036	NUAK family, SNF1-like kinase, 2
PLLP	Bt.13265.1.A1_at	DOWN	1.9902817	plasma membrane proteolipid (plasmolipin)
ENPEP	Bt.25855.3.A1_a_at	DOWN	1.5240844	glutamyl aminopeptidase (aminopeptidase A)
	Bt.5527.1.S1_at	DOWN	1.265464	
TLK1	Bt.24333.1.S1_at	DOWN	1.736644	tousled-like kinase 1
	Bt.4484.1.S1_at	DOWN	2.0878394	

SERPINB8	Bt.20432.1.S1_at	DOWN	1.7186896	serpin peptidase inhibitor, clade B (ovalbumin), member 8
	Bt.3321.1.S1_at	DOWN	1.3519809	
ESRP2	Bt.1078.1.A1_at	DOWN	1.7891785	epithelial splicing regulatory protein 2
CCDC64B	Bt.3933.1.S1_at	DOWN	2.01425	coiled-coil domain containing 64B
PTPN3	Bt.24922.1.S1_at	DOWN	2.2663496	Protein tyrosine phosphatase, non-receptor type 3
BTBD1	Bt.24206.1.A1_at	DOWN	1.8132297	BTB (POZ) domain containing 1
MOCS1	Bt.3900.1.S1_at	DOWN	2.0058255	molybdenum cofactor synthesis 1
LOC512010 /// LOC781512	Bt.7337.2.S1_at	DOWN	1.4482216	similar to centaurin delta 1 /// similar to Centaurin-delta-1 (Cnt-d1) (Arf-GAP, Rho-GAP, ankyrin repeat and pleckstrin homology domain-containing protein 2) (PARX protein)
ERAP1	Bt.28338.1.S1_at	DOWN	2.2796943	endoplasmic reticulum aminopeptidase 1
LOC618247	Bt.28687.1.A1_at	DOWN	1.7626004	similar to ZMYM6 protein
MOSPD2	Bt.27186.1.S1_at	DOWN	1.5048138	motile sperm domain containing 2
LOC519307	Bt.26616.1.S1_at	DOWN	1.58098	hypothetical LOC519307
SPSB1	Bt.24841.1.S1_at	DOWN	1.8344686	splA/ryanodine receptor domain and SOCS box containing 1
	Bt.18326.1.S1_at	DOWN	1.8399911	
LOC516658	Bt.3291.1.A1_at	DOWN	2.593776	similar to C27H2.2a
	Bt.26231.1.S1_at	DOWN	2.7830505	
SLC35C1	Bt.28942.1.S1_at	DOWN	1.632903	solute carrier family 35, member C1
MICALL2	Bt.28275.1.S1_at	DOWN	1.8831562	MICAL-like 2
LOC782466	Bt.3580.1.A1_at	DOWN	1.2007828	similar to Phosphatidylinositol glycan anchor biosynthesis, class K
TMEM41B	Bt.25329.1.S1_at	DOWN	1.5764549	transmembrane protein 41B
SPG20	Bt.27110.1.S1_at	DOWN	2.1891055	Spastic paraplegia 20 (Troyer syndrome)
	Bt.24587.1.A1_at	DOWN	3.3821118	
GFRA2	Bt.27767.1.A1_at	DOWN	2.2727437	GDNF family receptor alpha 2
RIT1	Bt.24892.1.A1_at	DOWN	3.1300685	Ras-like without CAAX 1
	Bt.6121.1.A1_at	DOWN	1.3652884	
LOC100139988	Bt.25087.1.A1_at	DOWN	2.2349002	similar to ras-like protein TC10
	Bt.2965.1.A1_at	DOWN	1.4143624	
LOC522998	Bt.24039.1.A1_at	DOWN	1.5928347	similar to coiled-coil domain containing 6
DEC1	Bt.13390.2.S1_a_at	DOWN	1.8258128	2,4-dienoyl CoA reductase 1, mitochondrial
SPAG9	Bt.19799.1.S1_at	DOWN	2.5000587	sperm associated antigen 9
	Bt.28638.1.A1_at	DOWN	3.0088983	
	Bt.20937.1.A1_at	DOWN	2.3561757	
AADACL1	Bt.27963.1.A1_at	DOWN	1.701858	arylacetamide deacetylase-like 1
LOC506996	Bt.24733.1.A1_at	DOWN	1.5021504	similar to ubiquitin specific protease 43
PLXNA3	Bt.27484.1.A1_at	DOWN	1.46293	Plexin A3
STRN3	Bt.27094.1.A1_at	DOWN	1.3378935	striatin, calmodulin binding protein 3
ITPK1	Bt.28241.1.A1_at	DOWN	2.5631714	inositol 1,3,4-triphosphate 5/6 kinase
SNX10	Bt.27822.1.A1_at	DOWN	1.7059234	sorting nexin 10
ARHGAP18	Bt.14056.1.A1_at	DOWN	3.7165906	Rho GTPase activating protein 18
MGC151610	Bt.28280.1.A1_at	DOWN	1.2101105	hypothetical LOC528207
CCR4	Bt.25420.1.A1_at	DOWN	2.3536708	chemokine (C-C motif) receptor 4
LOC541094	Bt.28586.1.S1_at	DOWN	1.6268508	similar to Endoplasmic reticulum metalloproteinase 1 (Felix-ina)
TLCD1	Bt.13668.1.A1_at	DOWN	2.3293355	TLC domain containing 1
	Bt.10861.1.S1_at	DOWN	1.5116146	
	Bt.21197.1.A1_at	DOWN	1.9101286	
ARHGEF3	Bt.3236.1.A1_at	DOWN	2.3689172	Rho guanine nucleotide exchange factor (GEF) 3
WIPF1	Bt.24656.1.A1_at	DOWN	2.2055225	WAS/WASL interacting protein family, member 1
TMEM181	Bt.28407.1.A1_at	DOWN	1.6010257	transmembrane protein 181
TJP2	Bt.20601.1.A1_at	DOWN	1.3806934	tight junction protein 2 (zona occludens 2)
	Bt.967.1.A1_at	DOWN	1.4911252	
	Bt.16176.1.A1_at	DOWN	3.4012418	
	Bt.16063.1.A1_at	DOWN	2.743758	
	Bt.24860.1.A1_at	DOWN	1.8436708	
PRRC1	Bt.17000.1.A1_at	DOWN	1.7710899	Proline-rich coiled-coil 1
STX17	Bt.22133.2.S1_a_at	DOWN	2.6768448	syntaxin 17
DTWD2	Bt.18575.1.A1_at	DOWN	1.9125508	DTW domain containing 2
LOC616071	Bt.25073.1.A1_at	DOWN	2.4041357	Similar to gamma-aminobutyric acid (GABA-A) transporter 4
	Bt.25202.1.A1_at	DOWN	1.4231699	
GLDC	Bt.13486.1.A1_at	DOWN	2.3428032	Glycine dehydrogenase (decarboxylating)
TC2N	Bt.25489.1.A1_at	DOWN	1.6816446	tandem C2 domains, nuclear
ACOT4	Bt.24450.1.A1_at	DOWN	2.4354675	Acyl-CoA thioesterase 4
RUSC1	Bt.28756.1.A1_s_at	DOWN	1.7625905	RUN and SH3 domain containing 1
PEX7	Bt.28676.1.A1_at	DOWN	1.2776568	peroxisomal biogenesis factor 7
DHX34	Bt.16532.1.A1_at	DOWN	1.7736874	DEAH (Asp-Glu-Ala-His) box polypeptide 34
NGEF	Bt.23388.1.A1_at	DOWN	2.4535663	neuronal guanine nucleotide exchange factor
MPZL1	Bt.21473.1.A1_a_at	DOWN	1.8780212	myelin protein zero-like 1
MPZL1	Bt.21473.1.A1_at	DOWN	1.5217874	myelin protein zero-like 1
BCAT1	Bt.17278.1.A1_at	DOWN	2.0386097	branched chain aminotransferase 1, cytosolic
TP53I13	Bt.11370.1.A1_at	DOWN	2.0789754	tumor protein p53 inducible protein 13
MVD	Bt.3884.1.S1_at	DOWN	1.5184009	mevalonate (diphospho) decarboxylase
RALB	Bt.11220.1.S1_at	DOWN	1.3101687	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)
METRNL	Bt.24275.1.S1_at	DOWN	2.4214618	meteorin, glial cell differentiation regulator-like
	Bt.7944.1.S1_at	DOWN	2.3141668	
CRELD1	Bt.5333.1.S1_at	DOWN	1.6052253	cysteine-rich with EGF-like domains 1
ENOSF1	Bt.3276.1.A1_at	DOWN	1.9904431	enolase superfamily member 1
RNF11	Bt.6666.1.S1_at	DOWN	2.0624774	RING finger protein 11
MIB2	Bt.1722.3.S1_a_at	DOWN	1.5191107	mindbomb homolog 2 (Drosophila)
	Bt.24272.1.S1_at	DOWN	1.9513116	
HEBP2	Bt.13247.1.S1_at	DOWN	2.1769047	heme binding protein 2
WFDC1	Bt.22746.1.S1_at	DOWN	2.1660705	WAP four-disulfide core domain 1
TMEM120B	Bt.21614.1.A1_at	DOWN	1.3430924	transmembrane protein 120B
TNNC2	Bt.9992.1.S1_at	DOWN	1.917161	troponin C type 2 (fast)
	Bt.21163.1.S1_at	DOWN	2.4465044	
PSD4	Bt.6048.1.S1_at	DOWN	2.5709577	similar to PH and SEC7 domain-containing protein 4 (Pleckstrin homology and SEC7 domain-containing protein 4) (Exchange factor for ADP-ribosylation factor guanine nucleotide factor 6B) (Telomeric of interleukin-1 cluster protein)
PTPLAD2	Bt.18083.1.S1_at	DOWN	2.8811631	protein tyrosine phosphatase-like A domain containing 2
MYO1D	Bt.22679.1.S1_at	DOWN	1.6859641	myosin ID
ARHGEF16	Bt.27352.1.S1_at	DOWN	2.476041	Rho guanine exchange factor (GEF) 16
	Bt.20210.1.S1_at	DOWN	1.7568084	
RCAN3	Bt.16273.1.A1_at	DOWN	1.8533766	RCAN family member 3
RHBDD1	Bt.20454.1.S1_at	DOWN	1.5400912	rhuboid domain containing 1
DENND2D	Bt.26797.1.S1_at	DOWN	2.0391774	DENN/MADD domain containing 2D
ALS2CL	Bt.24359.1.S1_a_at	DOWN	8.753836	ALS2 C-terminal like
ALS2CL	Bt.24359.1.S1_at	DOWN	2.6553977	ALS2 C-terminal like
ELMO3	Bt.13828.1.S1_a_at	DOWN	1.993849	engulfment and cell motility 3
AGTPBP1	Bt.23648.1.A1_at	DOWN	1.6382145	ATP/GTP binding protein 1
ENPP1	Bt.13899.1.A1_at	DOWN	2.5654495	ectonucleotide pyrophosphatase/phosphodiesterase 1
	Bt.20436.1.S1_at	DOWN	1.5109892	
	Bt.22849.1.S1_at	DOWN	2.236929	
SH3KBP1	Bt.22362.1.S1_at	DOWN	2.8717177	SH3-domain kinase binding protein 1

CCDC158	Bt.2222.1.A1_at	DOWN	2.4489582	coiled-coil domain containing 158
THEM4	Bt.10185.1.S1_at	DOWN	2.0986505	thioesterase superfamily member 4
IMPAD1	Bt.12649.1.S1_at	DOWN	1.3952879	inositol monophosphatase domain containing 1
PPP1R13L	Bt.2928.1.S1_at	DOWN	2.3267944	protein phosphatase 1, regulatory (inhibitor) subunit 13 like
	Bt.22286.1.S1_at	DOWN	2.015502	
ZZZ3	Bt.13548.1.A1_at	DOWN	1.7289335	Zinc finger, ZZ-type containing 3
NDFIP2	Bt.5653.1.A1_at	DOWN	1.646716	Nedd4 family interacting protein 2
SFN	Bt.9957.1.S1_a_at	DOWN	2.4640245	stratifin
CANT1	Bt.26832.1.S1_at	DOWN	1.7697718	calcium activated nucleotidase 1
RBBP8	Bt.27316.1.S1_at	DOWN	1.2453654	retinoblastoma binding protein 8
ACTN4	Bt.12030.1.S1_at	DOWN	1.5447092	Actinin, alpha 4
MAPK14	Bt.9698.1.S1_at	DOWN	1.3539721	mitogen-activated protein kinase 14
WSB2	Bt.26751.1.S1_at	DOWN	1.6325806	WD repeat and SOCS box-containing 2
TMEM54	Bt.28276.1.S1_at	DOWN	2.5329368	transmembrane protein 54
PITPNA	Bt.22547.1.A1_a_at	DOWN	1.7862855	phosphatidylinositol transfer protein, alpha
	Bt.28122.1.S1_at	DOWN	1.7701906	
CHST1	Bt.26606.1.S1_at	DOWN	3.192215	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1
RCN2	Bt.8643.1.A1_at	DOWN	2.225639	Reticulocalbin 2, EF-hand calcium binding domain
GATA2	Bt.6408.1.S1_at	DOWN	2.3921587	GATA binding protein 2
PICALM	Bt.9107.1.S1_a_at	DOWN	1.4025708	phosphatidylinositol binding clathrin assembly protein
C1GALT1	Bt.22740.1.A1_at	DOWN	2.5855198	Core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1
SLC44A2	Bt.21413.1.S1_at	DOWN	2.6120942	solute carrier family 44, member 2
LMNA	Bt.28432.1.S1_at	DOWN	1.6006566	lamin A/C
LOC506260	Bt.20527.1.S1_at	DOWN	1.2522475	similar to Rho GTPase-activating protein
AIFM2	Bt.13597.2.S1_a_at	DOWN	2.230476	apoptosis-inducing factor, mitochondrion-associated, 2
EFS	Bt.27883.1.S1_at	DOWN	2.202885	embryonal Fyn-associated substrate
GCA	Bt.28602.1.S1_at	DOWN	2.0159993	
	Bt.15419.1.S1_at	DOWN	3.429402	granulocalcin, EF-hand calcium binding protein
	Bt.27966.1.S1_at	DOWN	2.009524	
TMED7	Bt.21855.1.S1_at	DOWN	1.9030933	transmembrane emp24 protein transport domain containing 7
NCOA1	Bt.13313.1.S1_at	DOWN	2.763777	nuclear receptor coactivator 1
NR2C1	Bt.28215.1.S1_at	DOWN	1.4997703	nuclear receptor subfamily 2, group C, member 1
	Bt.28101.1.S1_at	DOWN	1.5459796	
LOC781625	Bt.16053.1.S1_at	DOWN	1.7666252	similar to plexin D1
SLC25A30	Bt.28594.1.A1_at	DOWN	2.6327035	Solute carrier family 25, member 30
FND3B	Bt.28105.1.S1_at	DOWN	1.7976545	fibronectin type III domain containing 3B
ITFG1	Bt.24900.1.S1_at	DOWN	1.4826158	integrin alpha FG-GAP repeat containing 1
RPE	Bt.17473.1.S1_at	DOWN	1.5915316	ribulose-5-phosphate-3-epimerase
	Bt.27651.S1_at	DOWN	2.290885	
	Bt.8785.1.S1_at	DOWN	2.2762387	
GCGR	Bt.27844.1.S1_at	DOWN	2.0268586	glucagon receptor
MAG3	Bt.24563.1.S1_at	DOWN	1.7437488	membrane associated guanylate kinase, WW and PDZ domain containing
MCM3	Bt.18326.2.S1_a_at	DOWN	2.4980001	minichromosome maintenance complex component 3
C8H9orf80	Bt.14380.1.S1_at	DOWN	1.335419	Chromosome 9 open reading frame 80 ortholog
VPS26A	Bt.2478.1.S1_at	DOWN	1.6920582	vacuolar protein sorting 26 homolog A (S. pombe)
	Bt.26920.2.A1_a_at	DOWN	1.5880444	
CCNE2	Bt.16141.1.S1_at	DOWN	1.874351	cyclin E2
CHN2	Bt.28510.1.S1_at	DOWN	2.1274345	chimerin (chimaerin) 2
CDH26	Bt.28734.1.S1_at	DOWN	1.2679502	Cadherin-like 26
	Bt.10623.1.S1_at	DOWN	1.2522461	
	Bt.28136.1.A1_at	DOWN	1.369147	
	Bt.21611.1.S1_at	DOWN	1.8274903	
LAMC1	Bt.19181.1.A1_at	DOWN	2.276735	laminin, gamma 1 (formerly LAMB2)
	Bt.21954.1.S1_at	DOWN	1.5064722	
	Bt.17432.1.S1_at	DOWN	1.421195	
	Bt.24736.1.S1_at	DOWN	1.7863538	
EXOC2	Bt.9986.2.S1_at	DOWN	2.1847644	Exocyst complex component 2
TM2D1	Bt.26582.1.S1_at	DOWN	1.5591558	TM2 domain containing 1
CCDC120	Bt.13907.1.S1_at	DOWN	1.6088905	coiled-coil domain containing 120
FBXW11	Bt.28971.1.S1_at	DOWN	1.7747751	F-box and WD repeat domain containing 11
EPB41L5	Bt.26810.1.S1_at	DOWN	1.4083688	erythrocyte membrane protein band 4.1 like 5
MED20	Bt.16390.1.S1_at	DOWN	2.0316665	mediator complex subunit 20
MGC159903	Bt.16057.1.S1_at	DOWN	1.7603878	hypothetical LOC540019
MMP23B	Bt.7179.1.S1_a_at	DOWN	2.6211898	matrix metalloproteinase 23B
TMEM20	Bt.29031.1.A1_at	DOWN	2.6574376	Transmembrane protein 20
ANO10	Bt.13296.2.A1_at	DOWN	1.3263276	anoctamin 10
LOC614655	Bt.28646.1.S1_at	DOWN	1.4395727	Similar to DNA segment, Chr 15, Wayne State University 75, expressed
SUPT3H	Bt.28505.1.A1_at	DOWN	1.3080854	suppressor of Ty 3 homolog (S. cerevisiae)
MTMR2	Bt.28705.1.S1_at	DOWN	1.3920674	Myotubularin related protein 2
SLC39A9	Bt.29299.1.S1_at	DOWN	1.478165	solute carrier family 39 (zinc transporter), member 9
MRAS	Bt.26329.1.S1_at	DOWN	2.116923	muscle RAS oncogene homolog
	Bt.9925.1.S1_at	DOWN	1.4132292	
PSTPIP2	Bt.28073.1.S1_at	DOWN	2.2606113	proline-serine-threonine phosphatase interacting protein 2
ALDH1A3 /// LOC534200	Bt.8798.1.S1_at	DOWN	4.0007052	aldehyde dehydrogenase 1 family, member A3 /// similar to aldehyde dehydrogenase family 1, subfamily A3
MCOLN2	Bt.25669.1.S1_at	DOWN	2.5306919	Mucopolipin 2
TMEM30A	Bt.29417.1.S1_at	DOWN	1.6810782	transmembrane protein 30A
PLEKHA4	Bt.26665.3.S1_at	DOWN	1.4038833	Pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4
	Bt.24279.1.S1_s_at	DOWN	1.6136308	
CLIC4	Bt.981.1.S1_at	DOWN	1.9157202	Chloride intracellular channel 4
	Bt.11667.2.A1_at	DOWN	1.9514621	
OVOL2	Bt.14034.1.A1_at	DOWN	1.5876658	ovo-like 2 (Drosophila)
NCOA1	Bt.21119.1.A1_at	DOWN	2.3553905	nuclear receptor coactivator 1
	Bt.20994.1.S1_at	DOWN	4.1491556	
	Bt.21293.1.A1_at	DOWN	1.606942	
SLC1A1	Bt.23659.1.S1_at	DOWN	2.6186862	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1
OSGIN2	Bt.21696.1.S1_at	DOWN	1.9668686	oxidative stress induced growth inhibitor family member 2
S1PR2	Bt.7519.1.S1_at	DOWN	9.267061	sphingosine-1-phosphate receptor 2
	Bt.18692.1.S1_at	DOWN	2.6608253	
UCN3	Bt.13426.1.A1_at	DOWN	1.4834162	urocortin 3 (stresscopin)
SMURF2	Bt.28632.1.A1_at	DOWN	1.5709367	SMAD specific E3 ubiquitin protein ligase 2
	Bt.24970.1.A1_at	DOWN	1.8965083	
TFDP2	Bt.24154.1.A1_at	DOWN	1.4090148	transcription factor Dp-2 (E2F dimerization partner 2)
ZFAND3	Bt.23708.1.A1_at	DOWN	1.6597438	zinc finger, AN1-type domain 3
	Bt.26267.1.A1_at	DOWN	2.3339007	
PRMT3	Bt.27380.1.A1_at	DOWN	1.459104	protein arginine methyltransferase 3
ERO1L	Bt.29332.1.A1_at	DOWN	1.7894833	ERO1-like
	Bt.23810.1.A1_at	DOWN	6.3040705	
MGC127461	Bt.24155.1.A1_at	DOWN	2.0400877	hypothetical LOC508280
MAP7	Bt.18325.2.A1_at	DOWN	1.7974503	microtubule-associated protein 7
	Bt.10853.1.S1_at	DOWN	4.330114	
SEC22A	Bt.3295.1.A1_at	DOWN	1.4734566	SEC22 vesicle trafficking protein homolog A (S. cerevisiae)

PLA2G15	Bt.11677.1.S1_at	DOWN	3.450212	
EXOC6	Bt.7833.1.A1_at	DOWN	2.5613036	phospholipase A2, group XV
NUDT12	Bt.21049.1.S1_at	DOWN	1.5480815	exocyst complex component 6
	Bt.24909.1.A1_at	DOWN	1.5999893	nudix (nucleoside diphosphate linked moiety X)-type motif 12
	Bt.6435.1.A1_at	DOWN	1.7847936	
	Bt.22477.1.S1_at	DOWN	3.2722383	
	Bt.22303.1.S1_at	DOWN	2.7328317	
BIN1	Bt.16437.1.S1_at	DOWN	1.4899739	bridging integrator 1
PGAM2	Bt.23217.1.S1_at	DOWN	3.7117507	phosphoglycerate mutase 2 (muscle)
LOC616304 /// RAB18	Bt.13979.1.S1_at	DOWN	1.2234781	similar to RAB18, member RAS oncogene family /// RAB18, member RAS oncogene family
CLIC4	Bt.981.2.S1_at	DOWN	1.8764416	Chloride intracellular channel 4
ABLIM1	Bt.16041.1.S1_at	DOWN	1.50854	actin binding LIM protein 1
TCTA	Bt.6044.1.S1_at	DOWN	1.660971	T-cell leukemia translocation altered gene
GALM	Bt.2580.1.S1_at	DOWN	1.3342694	galactose mutarotase (aldose 1-epimerase)
PFKFB3	Bt.12314.1.S1_at	DOWN	2.506619	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3
	Bt.9522.1.S1_at	DOWN	1.7913291	
CIZ1	Bt.1324.1.S1_at	DOWN	1.7631094	CDKN1A interacting zinc finger protein 1
FOLR2	Bt.7033.1.S1_at	DOWN	1.8056246	folate receptor 2 (fetal)
RAB25	Bt.20180.1.S1_at	DOWN	3.2187543	RAB25, member RAS oncogene family
SETD8	Bt.3929.1.S1_at	DOWN	1.6791508	SET domain containing (lysine methyltransferase) 8
DENND1A	Bt.6348.2.S1_at	DOWN	1.7038597	DENN/MADD domain containing 1A
LOC100138312	Bt.17121.1.S1_at	DOWN	1.277451	Similar to Long-chain-fatty-acid--CoA ligase 3 (Long-chain acyl-CoA synthetase 3) (LACS 3)
SLC9A3R1	Bt.8191.1.S1_at	DOWN	2.0909932	solute carrier family 9 (sodium/hydrogen exchanger), member 3
TMEM119	Bt.20234.1.S1_at	DOWN	2.9753435	transmembrane protein 119
GNPDA1	Bt.7640.1.S1_at	DOWN	1.6189939	glucosamine-6-phosphate deaminase 1
CDK10	Bt.7907.2.S1_a_at	DOWN	1.9528433	cyclin-dependent kinase 10
SDR39U1	Bt.11945.2.A1_at	DOWN	1.75882	short chain dehydrogenase/reductase family 39U, member 1
	Bt.22763.1.S1_at	DOWN	1.7960973	
NEU1	Bt.12399.1.S1_at	DOWN	1.4423177	sialidase 1 (lysosomal sialidase)
LIMK2	Bt.1209.1.S1_at	DOWN	2.0466917	LIM domain kinase 2
ANXA3	Bt.6775.1.S1_at	DOWN	2.6621149	annexin A3
ZNF74	Bt.5314.1.S1_at	DOWN	1.5230906	zinc finger protein 74
RAP2C	Bt.26628.1.S1_at	DOWN	1.8851893	RAP2C, member of RAS oncogene family
ACO1	Bt.1344.1.S1_at	DOWN	1.3628318	aconitase 1, soluble
FLVCR2	Bt.24526.1.S1_at	DOWN	2.2788484	feline leukemia virus subgroup C cellular receptor family, member 2
ZFP36L1	Bt.9629.2.S1_at	DOWN	1.7521366	zinc finger protein 36, C3H type-like 1
VPS37B	Bt.7063.1.S1_at	DOWN	2.3849468	vacuolar protein sorting 37 homolog B (S. cerevisiae)
EXOC4	Bt.12342.1.S1_at	DOWN	1.6342301	exocyst complex component 4
RNASEH1P1	Bt.7185.3.S1_at	DOWN	1.2803355	ribonuclease H1 pseudogene 1
NAAA	Bt.24570.1.S1_at	DOWN	1.8275054	N-acyl ethanolamine acid amidase
NPEPL1	Bt.10972.1.S1_at	DOWN	1.5528784	aminopeptidase-like 1
LIMS2	Bt.21349.1.S1_at	DOWN	2.4863377	LIM and senescent cell antigen-like domains 2
	Bt.9672.1.S1_at	DOWN	1.3764535	
	Bt.16063.2.S1_at	DOWN	2.7396147	
	Bt.9070.2.S1_at	DOWN	2.7147713	
RHPN2	Bt.12403.1.S1_at	DOWN	1.8792759	rhopilin, Rho GTPase binding protein 2
SFXN4	Bt.11184.1.S1_at	DOWN	1.3286645	sideroflexin 4
GNPTG	Bt.20298.1.S1_at	DOWN	1.8155891	N-acetylglucosamine-1-phosphate transferase, gamma subunit
LPCAT1	Bt.4142.1.S1_at	DOWN	1.5219406	lysophosphatidylcholine acyltransferase 1
MTMR4	Bt.9741.1.S1_at	DOWN	1.5693188	myotubularin related protein 4
HMGCS1	Bt.22763.2.S1_a_at	DOWN	1.166898	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)
MGC139367	Bt.20165.2.S1_at	DOWN	1.4315257	Hypothetical LOC525690
DNMBP	Bt.12081.1.S1_at	DOWN	2.532087	dynamitin binding protein
	Bt.5604.1.A1_at	DOWN	2.1710696	
RAPGEF2	Bt.8730.1.S1_at	DOWN	1.5900402	Rap guanine nucleotide exchange factor (GEF) 2
AQP11	Bt.20574.1.S1_at	DOWN	2.2879698	Aquaporin 11
ENPP3	Bt.9659.1.S1_a_at	DOWN	4.3955326	ectonucleotide pyrophosphatase/phosphodiesterase 3
	Bt.15839.1.S1_at	DOWN	1.8521274	
LATS2	Bt.5365.2.S1_at	DOWN	1.6923027	LATS, large tumor suppressor, homolog 2 (Drosophila)
PROSC	Bt.23633.2.A1_at	DOWN	1.4299892	proline synthetase co-transcribed homolog (bacterial)
ANKH	Bt.7418.1.S1_at	DOWN	3.4412937	ankylosis, progressive homolog (mouse)
ERGIC1 /// LOC789582	Bt.6103.1.S1_at	DOWN	1.9972799	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1 /// similar to endoplasmic reticulum-golgi intermediate compartment 32 kDa protein
PFKFB1	Bt.6382.1.S1_at	DOWN	1.7517569	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1
ERBB2IP	Bt.22737.1.S1_at	DOWN	1.7604126	erbB2 interacting protein
INPP5D	Bt.6453.1.S1_at	DOWN	3.2808933	inositol polyphosphate-5-phosphatase, 145kDa
NCOA1	Bt.27939.2.A1_a_at	DOWN	2.2004526	nuclear receptor coactivator 1
	Bt.21928.1.S1_at	DOWN	1.4397511	
	Bt.13492.1.S1_at	DOWN	1.8084952	
CYP51	Bt.621.1.S1_at	DOWN	1.6025691	cytochrome P450, family 51, subfamily A, polypeptide 1
SLC17A5	Bt.26942.1.S1_at	DOWN	1.936998	Solute carrier family 17 (anion/sugar transporter), member 5
TMEM167A	Bt.22575.2.S1_at	DOWN	1.2543726	transmembrane protein 167A
DNAJB9	Bt.26818.1.S1_at	DOWN	2.1153035	DnaJ (Hsp40) homolog, subfamily B, member 9
STX12	Bt.22728.1.S1_at	DOWN	2.2954154	Syntaxin 12
TAX1BP1	Bt.20105.2.S1_at	DOWN	1.2932751	Tax1 (human T-cell leukemia virus type I) binding protein 1
SERPINB5	Bt.12147.1.S1_at	DOWN	3.145293	Serpin peptidase inhibitor, clade B (ovalbumin), member 5
	Bt.15811.2.A1_at	DOWN	1.7282553	
SPAG9	Bt.27255.1.S1_at	DOWN	1.3981088	sperm associated antigen 9
USP25	Bt.10988.1.S1_at	DOWN	1.9777099	ubiquitin specific peptidase 25
MTMR1	Bt.8024.1.A1_at	DOWN	1.7367198	myotubularin related protein 1
FBXO6	Bt.28218.1.S1_at	DOWN	2.5703452	F-box protein 6
LOC505622	Bt.12350.1.S1_at	DOWN	1.7987325	similar to UDP-GalNAc:polypeptide N-acetyl-galactosaminyltransferase-tetraspanin 6
TSPAN6	Bt.3821.2.S1_at	DOWN	2.5160718	
	Bt.13309.1.S1_at	DOWN	1.6784532	
FERMT2	Bt.6338.1.S1_at	DOWN	1.5301677	fermitin family homolog 2 (Drosophila)
MAFK	Bt.19578.1.S1_at	DOWN	1.9240386	v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)
CLIC4	Bt.981.3.S1_at	DOWN	1.7245256	Chloride intracellular channel 4
NUDT17	Bt.20008.2.S1_at	DOWN	2.0733304	nudix (nucleoside diphosphate linked moiety X)-type motif 17
	Bt.3868.1.S1_at	DOWN	1.2366949	
LOC100140210	Bt.22497.1.S1_at	DOWN	1.5633887	similar to ubiquitin specific peptidase 30
RNF121	Bt.21603.2.S1_at	DOWN	1.6750356	ring finger protein 121
BRMS1L	Bt.28488.1.S1_at	DOWN	1.5338432	breast cancer metastasis-suppressor 1-like
SMARCD3	Bt.3395.1.S1_at	DOWN	4.5790176	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3
MICALL1	Bt.7990.2.S1_at	DOWN	1.5104989	MICAL-like 1
SYVN1	Bt.21430.3.S1_at	DOWN	1.8313925	Synovial apoptosis inhibitor 1, synoviolin
FAM83D	Bt.28502.1.S1_at	DOWN	1.7426862	Protein FAM83D
URG4	Bt.13301.1.S1_at	DOWN	1.9971919	up-regulated gene 4
LOC532603	Bt.13882.1.S1_at	DOWN	2.241552	hypothetical protein LOC532603
MYST4	Bt.7356.1.S1_at	DOWN	2.4169564	MYST histone acetyltransferase (monocytic leukemia) 4
COMMD10	Bt.13706.2.S1_at	DOWN	1.3473349	COMM domain containing 10
	Bt.4010.1.S1_at	DOWN	2.0497074	

SH3BP5	Bt.20680.1.S1_at	DOWN	1.8598534	SH3-domain binding protein 5 (BTK-associated)
ATP13A2	Bt.22115.1.S1_at	DOWN	2.6211672	ATPase type 13A2
MFSO1	Bt.11111.1.S1_at	DOWN	1.602198	major facilitator superfamily domain containing 1
DLC1	Bt.24236.1.S1_at	DOWN	1.5932537	deleted in liver cancer 1
LRRFP1	Bt.648.1.A1_at	DOWN	1.6631712	Leucine rich repeat (in FLII) interacting protein 1
STIM2	Bt.8650.1.A1_at	DOWN	2.2753065	stromal interaction molecule 2
MAN2A2	Bt.3516.1.S1_at	DOWN	1.551824	mannosidase, alpha, class 2A, member 2
	Bt.1422.1.S1_at	DOWN	2.3603318	
FHL3	Bt.6154.1.S1_at	DOWN	3.378727	four and a half LIM domains 3
	Bt.22374.1.S1_at	DOWN	1.678864	
RALBP1	Bt.20202.1.S1_at	DOWN	1.4118594	RalA binding protein 1
ENPEP	Bt.25855.2.S1_at	DOWN	2.516295	glutamyl aminopeptidase (aminopeptidase A)
	Bt.4275.1.S1_at	DOWN	1.9534241	
FAM177A1	Bt.20603.2.S1_at	DOWN	1.7575475	Protein FAM177A1
	Bt.9612.1.S1_at	DOWN	2.0051057	
	Bt.17518.1.S1_at	DOWN	3.193118	
MOBK12B	Bt.17377.1.S1_at	DOWN	2.6179843	MOB1, Mps One Binder kinase activator-like 2B (yeast)
MAD2L2	Bt.21336.1.S1_a_at	DOWN	1.6048816	MAD2 mitotic arrest deficient-like 2 (yeast)
HIVEP2	Bt.28399.1.S1_at	DOWN	2.477884	human immunodeficiency virus type 1 enhancer binding protein 2
	Bt.11605.1.S1_at	DOWN	1.6825852	
	Bt.13329.1.S1_at	DOWN	1.7786938	
	Bt.11460.1.A1_at	DOWN	1.6742526	
LAMA1	Bt.26511.1.S1_at	DOWN	2.4765258	laminin, alpha 1
SLC7A6OS	Bt.22458.2.S1_at	DOWN	2.0177855	solute carrier family 7, member 6 opposite strand
LOC516629	Bt.6000.1.A1_at	DOWN	1.8586613	similar to RIKEN cDNA 1110067D22
VAMP7	Bt.16164.1.S1_at	DOWN	2.0614352	vesicle-associated membrane protein 7
	Bt.22614.2.S1_at	DOWN	1.7436444	
	Bt.16259.1.A1_at	DOWN	1.6072562	
	Bt.19267.1.A1_at	DOWN	3.2974741	
FDFT1	Bt.21724.2.S1_a_at	DOWN	2.1849697	farnesyl-diphosphate farnesyltransferase 1
	Bt.11791.1.A1_at	DOWN	1.6154568	
	Bt.4414.1.S1_at	DOWN	1.7306569	
LOC616969	Bt.9487.1.S1_at	DOWN	1.4666343	Rho-guanine nucleotide exchange factor
	Bt.27867.1.S1_at	DOWN	2.5943663	
	Bt.24269.1.S1_at	DOWN	3.901772	
RBM24	Bt.5889.1.S1_at	DOWN	2.2547014	RNA binding motif protein 24
R3HCC1	Bt.4379.1.S1_at	DOWN	1.5046029	R3H domain and coiled-coil containing 1
SERPINB5	Bt.8428.1.S1_at	DOWN	2.0455496	Serpin peptidase inhibitor, clade B (ovalbumin), member 5
PJA2	Bt.17496.1.S1_at	DOWN	1.4862013	praja ring finger 2
UBE2E3	Bt.21417.1.S1_at	DOWN	1.288268	ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast)
LROH1	Bt.16499.2.S1_at	DOWN	2.0363271	Leucine-rich repeats and calponin homology (CH) domain containing 1
LOC100140553	Bt.5976.1.S1_at	DOWN	2.3537285	similar to Gap junction beta-4 protein (Connexin-30.3) (Cx30.3)
STX12	Bt.22728.2.S1_at	DOWN	2.2993684	syntaxin 12
LRRFP1	Bt.648.2.S1_at	DOWN	1.7442201	Leucine rich repeat (in FLII) interacting protein 1
	Bt.28123.1.S1_at	DOWN	1.870883	
PKP2	Bt.21547.2.S1_at	DOWN	1.8303503	plakophilin 2
NUP214	Bt.15866.3.S1_a_at	DOWN	1.8561331	nucleoporin 214kDa
GOLGA1	Bt.26780.1.S1_at	DOWN	1.8873699	golgi autoantigen, golgin subfamily a, 1
	Bt.20411.1.S1_at	DOWN	1.6311709	
RDH11	Bt.18951.1.S1_at	DOWN	2.306374	Retinol dehydrogenase 11 (all-trans/9-cis/11-cis)
	Bt.11666.2.S1_at	DOWN	1.8561772	
SLC46A1	Bt.7353.1.S1_at	DOWN	1.8163574	solute carrier family 46 (folate transporter), member 1
SLC16A1	Bt.13537.1.A1_at	DOWN	1.2739997	solute carrier family 16, member 1 (monocarboxylic acid transporter 1)
MTMR10	Bt.9801.1.S1_at	DOWN	2.2094865	myotubularin related protein 10
GDPD2	Bt.10996.1.S1_at	DOWN	1.9839303	glycerophosphodiester phosphodiesterase domain containing 2
	Bt.20115.1.S1_at	DOWN	1.4860497	
CAMLG	Bt.13563.2.S1_at	DOWN	1.7671722	calcium modulating ligand
MBOAT1	Bt.20276.2.A1_at	DOWN	1.9715984	membrane bound O-acyltransferase domain containing 1
LRRFP2	Bt.13852.2.S1_at	DOWN	1.8559843	leucine rich repeat (in FLII) interacting protein 2
AADAOL1	Bt.20045.1.A1_at	DOWN	2.318492	arylacetyl deacetylase-like 1
TMEM135	Bt.8748.1.S1_at	DOWN	1.7002071	transmembrane protein 135
REV3L	Bt.25319.2.S1_at	DOWN	1.7245501	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)
KCMF1	Bt.22536.2.S1_at	DOWN	1.5673028	potassium channel modulatory factor 1
DYNLT3	Bt.13768.1.S1_at	DOWN	1.6679921	dynein, light chain, Tctex-type 3
PDXK	Bt.7641.2.S1_a_at	DOWN	2.1534407	pyridoxal (pyridoxine, vitamin B6) kinase
SH3BP5	Bt.8619.1.S1_at	DOWN	2.5628905	SH3-domain binding protein 5 (BTK-associated)
NOS2	Bt.8479.1.A1_at	DOWN	2.5839007	nitric oxide synthase 2, inducible
PRSS8	Bt.28286.1.S1_at	DOWN	2.6812308	protease, serine, 8
ANLN	Bt.4995.2.S1_at	DOWN	2.0879595	anillin, actin binding protein
CAMSAP1	Bt.17586.2.S1_at	DOWN	1.7311895	calmodulin regulated spectrin-associated protein 1
SNX10	Bt.27822.2.S1_at	DOWN	2.2154226	sorting nexin 10
	Bt.22628.1.S1_at	DOWN	1.557163	
FNDC3B	Bt.27911.1.S1_at	DOWN	1.6569849	fibronectin type III domain containing 3B
PLEKHB2	Bt.8690.1.S1_at	DOWN	1.9207234	pleckstrin homology domain containing, family B (evectins) member 2
	Bt.648.3.S1_at	DOWN	1.3879323	
SGK1	Bt.16123.1.S1_at	DOWN	2.6755514	serum/glucocorticoid regulated kinase 1
SGPL1	Bt.14347.1.S1_at	DOWN	1.8880357	sphingosine-1-phosphate lyase 1
DOCK5	Bt.20310.1.S1_at	DOWN	2.7391088	Dedicator of cytokinesis 5
DIDO1	Bt.1486.1.S1_at	DOWN	1.8674194	death inducer-obliterator 1
SERTAD4	Bt.29921.1.S1_at	DOWN	2.7415648	SERTA domain containing 4
TMEM135	Bt.17252.1.S1_at	DOWN	1.6666622	transmembrane protein 135
FBXO6	Bt.28218.3.S1_a_at	DOWN	6.183067	F-box protein 6
B3GNT2	Bt.24552.1.S1_at	DOWN	1.2064282	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2
	Bt.21134.1.S1_at	DOWN	1.9913675	
KCTD9	Bt.16256.2.S1_at	DOWN	1.7091609	potassium channel tetramerisation domain containing 9
LOC782069	Bt.25616.1.S1_at	DOWN	1.5699428	similar to G protein-coupled receptor
RCSO1	Bt.10076.1.S1_at	DOWN	1.6741991	RCSO domain containing 1
FRMD6	Bt.28695.1.S1_at	DOWN	2.0875292	FERM domain containing 6
SLC22A5	Bt.22433.1.A1_at	DOWN	2.7823982	solute carrier family 22 (organic cation/carnitine transporter), member 5
SPG20	Bt.21619.1.S1_at	DOWN	2.0913877	spastic paraplegia 20 (Troyer syndrome)
	Bt.9167.1.S1_at	DOWN	2.6650047	
ERLIN2	Bt.7902.1.A1_at	DOWN	1.5616163	ER lipid raft associated 2
	Bt.7307.2.A1_a_at	DOWN	1.3101696	
ATG5	Bt.27505.2.S1_at	DOWN	1.7832248	ATG5 autophagy related 5 homolog (S. cerevisiae)
	Bt.16695.1.S1_at	DOWN	2.810966	
RCN2	Bt.8643.2.S1_at	DOWN	3.5138018	reticulocalbin 2, EF-hand calcium binding domain
POLR3GL	Bt.28574.1.S1_at	DOWN	1.8099763	polymerase (RNA) III (DNA directed) polypeptide G (32kD)-like
	Bt.19267.2.S1_at	DOWN	2.08289	
	Bt.11797.1.S1_at	DOWN	2.2105994	
LRRCE8	Bt.11951.1.A1_at	DOWN	1.5153904	leucine rich repeat containing 8 family, member E
	Bt.16164.2.A1_at	DOWN	1.4354713	
	Bt.23306.1.S1_at	DOWN	2.132163	
FGD4	Bt.28780.2.A1_a_at	DOWN	2.004733	FYVE, RhoGEF and PH domain containing 4
FGD4	Bt.28780.1.A1_at	DOWN	1.8745924	FYVE, RhoGEF and PH domain containing 4
OPTN	Bt.17777.3.S1_at	DOWN	1.489469	optineurin

COBLL1	Bt.22139.1.S1_at Bt.20115.2.S1_at Bt.23566.2.S1_at	DOWN DOWN DOWN	2.3087115 1.5976968 1.568249	COBL-like 1
UGCG	Bt.25887.1.A1_at	DOWN	1.7664372	UDP-glucose ceramide glucosyltransferase
SLC30A5	Bt.21891.1.A1_at	DOWN	1.3724871	Solute carrier family 30 (zinc transporter), member 5
RNF115	Bt.1542.1.S1_at	DOWN	1.2921332	Ring finger protein 115
GOLGA4	Bt.26662.1.S1_at	DOWN	1.7691381	golgi autoantigen, golgin subfamily a, 4
RIN3	Bt.16402.2.A1_s_at	DOWN	1.9643394	Ras and Rab interactor 3
IRF5	Bt.18476.2.S1_at Bt.2225.1.S1_at	DOWN DOWN	3.1783626 4.177989	interferon regulatory factor 5
PLEKHH1	Bt.17280.1.S1_at	DOWN	3.5053248	similar to Pleckstrin homology domain-containing family H member 1
TMEM144	Bt.11998.1.S1_at Bt.2194.1.S1_at	DOWN DOWN	2.557984 1.4723563	transmembrane protein 144
AIM1L	Bt.28839.1.S1_at	DOWN	2.261431	absent in melanoma 1-like
TMEM52	Bt.27323.1.S1_at Bt.24286.1.S1_at	DOWN DOWN	2.1326141 1.4782159	Transmembrane protein 52
IGF2BP3	Bt.11580.1.S1_at	DOWN	1.5082173	insulin-like growth factor 2 mRNA binding protein 3
LOC540231	Bt.9784.1.S1_at	DOWN	2.6205597	hypothetical LOC540231
TMEM181	Bt.26407.3.S1_at Bt.17780.2.S1_at Bt.28406.1.S1_at Bt.18951.2.S1_at	DOWN DOWN DOWN DOWN	3.2719853 1.719753 2.145023 2.1994758	transmembrane protein 181
RDH11	Bt.18951.2.S1_at	DOWN	2.1994758	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)
PATL1	Bt.26819.1.S1_at	DOWN	1.3298379	protein associated with topoisomerase II homolog 1 (yeast)
PRRC1	Bt.17000.2.S1_at	DOWN	1.7191913	proline-rich coiled-coil 1
CLASP2	Bt.19306.2.S1_at Bt.14032.1.S1_at Bt.20253.2.S1_at	DOWN DOWN DOWN	1.6869711 2.1257339 1.3342552	cytoplasmic linker associated protein 2
SIKE	Bt.10941.1.S1_at	DOWN	2.695693	suppressor of IKK epsilon
MBNL3	Bt.16376.1.S1_at	DOWN	1.6634367	muscleblind-like 3 (Drosophila)
PARP12	Bt.7635.2.S1_at Bt.25202.3.S1_at Bt.26806.3.S1_at Bt.27767.2.S1_at Bt.5748.3.S1_at	DOWN DOWN DOWN DOWN DOWN	1.8923856 1.4658281 1.6350384 2.0579607 1.3299567	poly (ADP-ribose) polymerase family, member 12
YPEL5	Bt.27653.1.A1_a_at	DOWN	1.8161038	Yippee-like 5 (Drosophila)
PIGN	Bt.9670.2.S1_at	DOWN	1.5282023	phosphatidylinositol glycan anchor biosynthesis, class N
PLLP	Bt.13265.2.S1_at Bt.7384.2.S1_at	DOWN DOWN	2.5106764 1.6762456	plasma membrane proteolipid (plasmolipin)
SMPD3	Bt.21927.3.S1_at	DOWN	2.7325253	Sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)
PRHOXNB	Bt.7349.1.S1_at	DOWN	2.2503548	parahox cluster neighbor
NCOR1	Bt.8247.2.S1_at Bt.25965.2.S1_at Bt.7553.1.S1_at Bt.27867.3.S1_at Bt.14006.2.S1_at Bt.14029.1.S1_at Bt.16550.1.A1_at Bt.16499.3.S1_at Bt.13201.1.S1_at Bt.16347.1.S1_at	DOWN DOWN DOWN DOWN DOWN DOWN DOWN DOWN DOWN DOWN	2.9444325 1.3954082 2.6437185 2.378987 1.5419661 1.8042226 1.9946601 1.8774457 3.211372 1.723156	nuclear receptor co-repressor 1
CSGALNACT2	Bt.16550.1.A1_at	DOWN	1.8042226	chondroitin sulfate N-acetylgalactosaminyltransferase 2
LOC100138953	Bt.16550.1.A1_at	DOWN	1.9946601	similar to Bardet-Biedl syndrome 7 protein
LRCH1	Bt.16499.3.S1_at	DOWN	1.8774457	Leucine-rich repeats and calponin homology (CH) domain containing 1
DSC2	Bt.13201.1.S1_at Bt.16347.1.S1_at	DOWN DOWN	3.211372 1.723156	Desmocollin 2
FAM46B	Bt.6658.2.A1_at Bt.28702.1.S1_at Bt.24716.1.S1_at	DOWN DOWN DOWN	1.7895471 2.147826 2.880734	family with sequence similarity 46, member B
MTUS1	Bt.8319.2.S1_at	DOWN	2.3797944	mitochondrial tumor suppressor 1
VPS37A	Bt.27829.2.S1_at	DOWN	1.7492839	vacuolar protein sorting 37 homolog A (S. cerevisiae)
AASS	Bt.5645.1.A1_at	DOWN	2.4458547	aminoadipate-semialdehyde synthase
MAD2L2	Bt.21336.2.S1_a_at	DOWN	1.7379754	MAD2 mitotic arrest deficient-like 2 (yeast)
MAL2	Bt.28686.2.S1_at	DOWN	1.6919822	Mal, T-cell differentiation protein 2
LOC532807 /// RUFY3	Bt.8152.2.S1_at	DOWN	2.489797	similar to RUN and FYVE domain containing 3 /// RUN and FYVE domain containing 3
BCAT1	Bt.17278.3.S1_a_at Bt.17278.3.S1_at	DOWN DOWN	2.4963653 2.4100256	branched chain aminotransferase 1, cytosolic
LOC100139988	Bt.25087.3.S1_at	DOWN	2.5391772	branched chain aminotransferase 1, cytosolic
MPZL1	Bt.21473.2.S1_at Bt.1785.1.A1_at	DOWN DOWN	1.9356984 2.0459688	similar to ras-like protein TC10 myelin protein zero-like 1
TRMU	Bt.9055.2.S1_a_at	DOWN	1.7417332	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase
LOC614166	Bt.10169.2.S1_at	DOWN	1.9258088	similar to Uncharacterized protein C8orf42 homolog
HNRPLL	Bt.18908.1.S1_at	DOWN	2.6317987	Heterogeneous nuclear ribonucleoprotein L-like
WRNIP1	Bt.14579.2.S1_at	DOWN	1.4257957	Werner helicase interacting protein 1
PPM1M	Bt.4541.3.S1_a_at	DOWN	2.7569366	protein phosphatase 1M (PP2C domain containing)
ALDH1A3 /// LOC534200	Bt.8798.2.S1_at	DOWN	4.446166	aldehyde dehydrogenase 1 family, member A3 /// similar to aldehyde dehydrogenase family 1, subfamily A3
CTPS	Bt.4551.2.S1_at	DOWN	1.616801	CTP synthase
SFN	Bt.9957.2.S1_at	DOWN	3.0484695	stratifin
OGFRL1	Bt.9300.1.A1_at	DOWN	1.6620796	opioid growth factor receptor-like 1
MAGI3	Bt.22647.3.A1_at Bt.25331.1.A1_at Bt.24982.2.S1_at	DOWN DOWN DOWN	2.4777927 2.7278867 1.8537916	membrane associated guanylate kinase, WW and PDZ domain containing
LIN7C	Bt.12076.1.A1_at	DOWN	1.9017024	lin-7 homolog C (C. elegans)
TMEM139	Bt.8222.2.S1_a_at	DOWN	1.8816649	transmembrane protein 139
RAB9A	Bt.3243.2.S1_a_at	DOWN	2.6962485	RAB9A, member RAS oncogene family
ATF7	Bt.18789.1.S1_at	DOWN	2.07359	activating transcription factor 7
MTUS1	Bt.8319.3.S1_a_at	DOWN	1.9855981	Mitochondrial tumor suppressor 1
MTUS1	Bt.8319.3.S1_at	DOWN	3.85789	mitochondrial tumor suppressor 1
GCA	Bt.25186.1.S1_at Bt.12083.2.S1_at Bt.10131.2.S1_at Bt.2099.1.S1_at Bt.2038.1.S1_at Bt.21137.2.S1_at	DOWN DOWN DOWN DOWN DOWN DOWN	1.7982575 2.0217965 1.6527246 2.4696734 1.9321425 3.7029011	Grancalcin, EF-hand calcium binding protein
C6H4orf34	Bt.19901.1.A1_at	DOWN	2.3633308	chromosome 4 open reading frame 34 ortholog
GATA2	Bt.6408.2.A1_at	DOWN	1.813894	GATA binding protein 2
MGC152232	Bt.2578.1.A1_at	DOWN	1.6677994	Hypothetical LOC534560
WWC2	Bt.19774.2.S1_at Bt.21954.2.S1_at Bt.16354.1.A1_at Bt.19415.1.A1_at	DOWN DOWN DOWN DOWN	2.4198415 1.6458657 2.3851833 1.9205477	WW and C2 domain containing 2
PDHA1	Bt.17982.2.A1_at Bt.18780.2.A1_at	DOWN DOWN	2.1094596 3.4647942	pyruvate dehydrogenase (lipoamide) alpha 1
RIMKLB	Bt.28956.1.A1_at	DOWN	1.8831143	ribosomal modification protein rimK-like family member B
PTPRG	Bt.24790.1.A1_at	DOWN	1.4022682	Protein tyrosine phosphatase, receptor type, G
LOC100140419	Bt.26137.1.A1_at	DOWN	1.7660729	similar to additional sex combs like 2
CENPI	Bt.28352.2.A1_at Bt.17041.1.A1_at	DOWN DOWN	1.9162594 2.1230567	centromere protein 1

	Bt.16464.1.A1_at	DOWN	2.4338682	
ATMIN	Bt.17313.1.A1_at	DOWN	1.462284	ATM interactor
SLC41A2	Bt.16730.1.A1_at	DOWN	1.9761164	solute carrier family 41, member 2
	Bt.18794.2.A1_at	DOWN	1.5625479	
	Bt.16609.1.A1_at	DOWN	2.6507483	
	Bt.16793.1.A1_at	DOWN	1.896309	
FAM3A	Bt.19109.1.A1_at	DOWN	1.8673564	family with sequence similarity 3, member A
GLA	Bt.19260.1.A1_at	DOWN	2.1029742	Galactosidase, alpha
	Bt.5957.1.S1_at	DOWN	1.9753051	
	Bt.17041.2.S1_at	DOWN	2.8070893	
PIAS2	Bt.26753.1.A1_at	DOWN	1.502798	Protein inhibitor of activated STAT, 2
NPL	Bt.26155.1.A1_at	DOWN	1.8863105	N-acetylneuraminase pyruvate lyase (dihydrodipicolinate synthase)
	Bt.17702.1.A1_at	DOWN	2.7589033	
	Bt.19662.1.A1_at	DOWN	2.4243093	
FAF1	Bt.18119.1.A1_at	DOWN	1.6718211	Fas (TNFRSF6) associated factor 1
ATF7	Bt.18789.2.A1_at	DOWN	1.7471848	activating transcription factor 7
	Bt.1233.1.S1_at	DOWN	1.8284541	
	Bt.17542.1.S1_at	DOWN	2.1019576	
CLDN23	Bt.27959.1.S1_at	DOWN	2.4862776	claudin 23
	Bt.28642.1.A1_at	DOWN	1.3613427	
UBASH3B	Bt.29025.1.A1_at	DOWN	1.7904135	Similar to Ubiquitin associated and SH3 domain-containing protein B (Suppressor of T-cell receptor signaling 1) (STS-1) (Cbl-interacting protein p70)
FRMD6	Bt.28695.2.A1_at	DOWN	3.517725	FERM domain containing 6
APC	Bt.29563.1.A1_at	DOWN	1.2859569	adenomatous polyposis coli
	Bt.29442.1.A1_at	DOWN	1.8006985	
GP17	Bt.28552.1.A1_at	DOWN	1.3875499	GP17 protein
LOC522691	Bt.29264.1.A1_at	DOWN	3.0259094	hypothetical LOC522691
STAP2	Bt.11739.2.A1_a_at	DOWN	2.1727219	signal transducing adaptor family member 2
FRRS1	Bt.24918.1.A1_at	DOWN	1.9726154	ferric-chelate reductase 1
PHF19	Bt.25573.1.A1_at	DOWN	3.3697286	PHD finger protein 19
	Bt.25950.1.A1_at	DOWN	1.9170772	
GDPD1	Bt.26100.2.A1_at	DOWN	1.7141368	Glycerophosphodiester phosphodiesterase domain containing 1
	Bt.27347.1.A1_at	DOWN	2.7062895	
COL22A1	Bt.27594.1.A1_at	DOWN	2.061075	Collagen, type XXII, alpha 1
	Bt.27599.1.A1_at	DOWN	2.1979053	
DLX4	Bt.27619.1.A1_at	DOWN	3.339745	distal-less homeobox 4
STT3B	Bt.27800.1.A1_at	DOWN	1.962821	STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae)
	Bt.28754.2.A1_at	DOWN	1.949106	
	Bt.28910.1.A1_at	DOWN	2.0291834	
	Bt.23713.1.A1_at	DOWN	1.4983295	
TAT	Bt.23731.1.A1_at	DOWN	1.3918271	Tyrosine aminotransferase
PRSS22	Bt.29351.1.A1_at	DOWN	2.4961066	Protease, serine, 22
	Bt.29229.1.A1_at	DOWN	2.3152206	
ABLIM1	Bt.9778.2.S1_a_at	DOWN	1.5583882	actin binding LIM protein 1
	Bt.21480.1.A1_s_at	DOWN	1.4141282	
VAMP4	Bt.3549.1.A1_at	DOWN	1.6548252	vesicle-associated membrane protein 4
GPD2	Bt.5847.1.S1_at	DOWN	3.0878541	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)
HTATIP2	Bt.8789.1.S1_at	DOWN	1.8943748	HIV-1 Tat interactive protein 2, 30kDa
USP3	Bt.9166.1.A1_at	DOWN	2.559136	ubiquitin specific peptidase 3
GPM6B	Bt.12964.1.A1_at	DOWN	2.4426496	Glycoprotein M6B
	Bt.26458.1.A1_at	DOWN	1.4560299	
ZSCAN12	Bt.27006.1.A1_at	DOWN	1.9653573	zinc finger and SCAN domain containing 12
	Bt.12677.1.A1_at	DOWN	1.8499749	
	Bt.26402.1.A1_at	DOWN	2.1547909	
ANKH	Bt.26461.1.A1_at	DOWN	2.0504398	ankylosis, progressive homolog (mouse)
Sleo4c1	Bt.25215.1.A1_at	DOWN	2.5021057	Organic anion transporting polypeptide 4c1
MGC155143	Bt.25188.1.A1_at	DOWN	1.6798984	hypothetical protein LOC784871
	Bt.23734.1.A1_at	DOWN	1.6475842	
	Bt.11612.1.A1_at	DOWN	1.4064242	
	Bt.24156.1.A1_at	DOWN	3.1043978	
	Bt.11437.1.A1_at	DOWN	1.4520493	
NCOA1	Bt.13313.2.S1_at	DOWN	2.1053078	nuclear receptor coactivator 1
SERPINB9	Bt.1364.3.A1_at	DOWN	2.8087249	Serpin peptidase inhibitor, clade B (ovalbumin), member 9
YWHAG	Bt.16142.3.A1_at	DOWN	1.9138545	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
KBTBD6	Bt.16187.1.A1_at	DOWN	2.3977547	kelch repeat and BTB (POZ) domain containing 6
CLEC4E	Bt.16271.2.A1_at	DOWN	3.5865579	C-type lectin domain family 4, member E
	Bt.16671.1.A1_at	DOWN	1.968892	
	Bt.16928.1.A1_at	DOWN	1.9623296	
MAGI2	Bt.17191.1.A1_at	DOWN	1.9066085	Membrane associated guanylate kinase, WW and PDZ domain containing
	Bt.17530.1.A1_at	DOWN	3.2972157	
NPAL2	Bt.17654.1.A1_at	DOWN	4.256963	NIPA-like domain containing 2
	Bt.17798.1.A1_at	DOWN	2.48365	
SERAC1	Bt.18739.1.A1_at	DOWN	1.6990943	Serine active site containing 1
	Bt.18967.1.A1_at	DOWN	2.654422	
LOC523504	Bt.19126.1.A1_at	DOWN	2.7044377	similar to F-box/LRR-repeat protein 17 (F-box and leucine-rich repeat protein 17) (F-box only protein 13)
	Bt.19495.1.A1_at	DOWN	2.6459155	
C3H1ORF210	Bt.19664.1.A1_at	DOWN	1.9446081	chromosome 1 open reading frame 210 ortholog
PSMC5	Bt.19877.1.A1_at	DOWN	2.3960984	Proteasome (prosome, macropain) 26S subunit, ATPase, 5