HOKKAIDO UNIVERSITY

Title	Comparing spatial expression dynamics of bovine blastocyst under three different procedures : in-vivo, in-vitro derived, and somatic cell nuclear transfer embryos
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Supplemental table 3. Genes that were differentially expressed in the ICM relative to the TE in in SCNT blastocyst (SCNT list).

Gene Symbol	Probe Set ID	Regulation	Fold change ([ICM] / [TE])	Gene Title
EEF1A1	AFFX-Bt-ef1a-3_at	UP	1.2092365	eukaryotic translation elongation factor 1 alpha 1
IGFBP3	Bt.422.1.S2_at	UP	2.5323892	insulin-like growth factor binding protein 3
IGFBP3	Bt.422.1.S1_at	UP	3.7850845	insulin-like growth factor binding protein 3
SULT1A1	Bt.3537.1.S1_at	UP	2.7092714	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1
SPP1	Bt.2632.1.S1_at	UP	5.6928325	secreted phosphoprotein 1
SCARB1	Bt.4520.1.S1_at	UP	3.106944	scavenger receptor class B, member 1
TSPO	Bt.3988.1.S1_at	UP	1.5570548	translocator protein (18kDa)
IFITM3	Bt.7671.1.S1_at	UP	2.538414	interferon induced transmembrane protein 3 (1-8U)
AK2	Bt.946.1.S1_at	UP	1.2724019	adenylate kinase 2
PHYH	Bt.596.1.S1_at	UP	4.0379534	phytanoyl-CoA 2-hydroxylase
IDH2	Bt.5520.1.S1_at	UP	1.8554683	isocitrate dehydrogenase 2 (NADP+), mitochondrial
IGFBP4	Bt.5237.1.S1_at	UP	6.0687995	insulin-like growth factor binding protein 4
LAPTM4B	Bt.1143.1.S1_at	UP	3.4425611	lysosomal protein transmembrane 4 beta
NDUFA10	Bt.4473.1.S1_at	UP	1.3433139	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa
MYO10	Bt.4506.1.S1_at	UP	3.2756793	myosin X
XDH	Bt.5403.1.S1_at	UP	3.2365947	xanthine dehydrogenase
GOT1	Bt.4744.1.S1_at	UP	2.1609743	glutamic-oxaloacetic transaminase 1, soluble (aspartate
APEX1	Bt.1302.1.S1_at	UP	1.5107095	APEX nuclease (multifunctional DNA repair enzyme) 1
PSMC5	Bt.8062.1.S1_at	UP	1.1502675	proteasome (prosome, macropain) 26S subunit, ATPase, 5
PLAT	Bt.12302.1.S1_at	UP	2.83626	plasminogen activator, tissue
ADFP	Bt.2568.1.S1_at	UP	2.8931007	adipose differentiation-related protein
PRDX4	Bt.5203.1.S1_at	UP	1.8218676	peroxiredoxin 4
TGM2	Bt.5401.1.S1_at	UP	3.5173151	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)
SPG21	Bt.1606.1.S1_at	UP	1.5837667	spastic paraplegia 21 (autosomal recessive, Mast syndrome)
SELP	Bt.4342.1.S1_at	UP	3.6798708	selectin P
PAICS	Bt.7014.1.S1_at	UP	1.1886556	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase
GPR68	Bt.4597.1.S1_at	UP	3.6613288	G protein-coupled receptor 68
FABP3	Bt.4758.1.S1_at	UP	3.9097042	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)
MRPL43	Bt.2138.1.S1_at	UP	1.3395064	mitochondrial ribosomal protein L43
SELL	Bt.2314.1.S1_at	UP	5.7195506	selectin L
NDUFA2	Bt.65.1.S1_at	UP	1.44385	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa
AURKB	Bt.7331.1.S2_at	UP	1.88613	aurora kinase B
SLC1A5	Bt.5548.1.S1_at	UP	1.4655163	solute carrier family 1 (neutral amino acid transporter), member 5
AK3L1	Bt.5149.1.S2_at	UP	4.0349274	adenylate kinase 3-like 1
AK3L1	Bt.5149.1.S1_at	UP	2.9284146	adenylate kinase 3-like 1
MYH1 /// MYH2	Bt.12300.1.S1_a_at	UP	24.467735	myosin, heavy chain 1, skeletal muscle, adult /// myosin, heavy chain 2, skeletal muscle, adult
MYH1	Bt.12300.1.S1_at	UP	3.8808682	myosin, heavy chain 1, skeletal muscle, adult
PAFAH1B1	Bt.5436.1.S1_at	UP	1.5395486	platelet-activating factor acetylhydrolase, isoform Ib, subunit 1 (45kDa)
SSB	Bt.15513.1.S1_at	UP	1.8572825	Sjogren syndrome antigen B (autoantigen La)
CA4	Bt.555.1.S1_at	UP	7.301277	carbonic anhydrase IV
H4	Bt.113.1.S1_at	UP	3.1933506	histone H4
LOC785870 /// PDYN	Bt.124.1.S1_at	UP	2.1784234	similar to PDYN protein /// prodynorphin
HADHB	Bt.832.1.S1_at	UP	1.4178463	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta
CAV1	Bt.2230.1.S1_at	UP	2.8659637	caveolin 1, caveolae protein, 22kDa
YWHAZ	Bt.2891.1.S1_at	UP	1.3758878	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
MAOB	Bt.22460.1.S2_at	UP	4.909735	monoamine oxidase B
DGAT2	Bt.23550.1.S1_at	UP	8.491767	diacylglycerol O-acyltransferase homolog 2 (mouse)
SNRPN /// SNURF	Bt.4887.1.S1_at	UP	1.8692478	small nuclear ribonucleoprotein polypeptide N /// SNRPN upstream reading frame
TRIB2	Bt.22857.1.S2_at	UP	1.5730364	tribbles homolog 2 (Drosophila)
ECE1	Bt.4378.1.S1_at	UP	1.8496914	endothelin converting enzyme 1
HAS2	Bt.12927.1.S1_at	UP	11.903817	hyaluronan synthase 2
IFITM1	Bt.22978.1.S1_a_at	UP	2.0465443	interferon induced transmembrane protein 1 (9-27)
DHX9	Bt.5544.1.S1_at	UP	1.414212	DEAH (Asp-Glu-Ala-His) box polypeptide 9
PTN	Bt.4844.1.S1_at	UP	8.562797	pleiotrophin
TP53	Bt.12280.1.S2_at	UP	1.940741	tumor protein p53
POU5F1	Bt.23612.1.S1_at	UP	1.5334934	POU class 5 homeobox 1
MDK	Bt.21528.1.A1_at	UP	3.20754	midkine (neurite growth-promoting factor 2)
PPID	Bt.7221.1.S1_at	UP	1.2908105	peptidylprolyl isomerase D
KRT10 /// LOC100138974	Bt.8.1.S1_at	UP	1.6506451	keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris) /// similar to Keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris)
DNMT1	Bt.11130.1.S1_at	UP	1.6772465	DNA (cytosine-5-)-methyltransferase 1
UGDH	Bt.5538.1.S1_at	UP	2.6164548	UDP-glucose dehydrogenase
IGFBP2	Bt.149.1.S1_at	UP	4.2240486	insulin-like growth factor binding protein 2, 36kDa
CD47	Bt.2626.1.S1_at	UP	2.4601736	CD47 molecule
PRKAG1	Bt.5588.1.S1_at	UP	1.6576763	protein kinase, AMP-activated, gamma 1 non-catalytic subunit
IRF1	Bt.10077.1.S2_at	UP	3.9102116	interferon regulatory factor 1
HMGB1	Bt.742.1.S2_at	UP	1.3359666	high-mobility group box 1
RAP1B	Bt.7154.1.S2_at	UP	1.4655972	RAP1B, member of RAS oncogene family
SPARC	Bt.6768.1.S1_at	UP	1.7405403	secreted protein, acidic, cysteine-rich (osteonectin)
CLU	Bt.12504.1.S1_at	UP	3.8566492	clusterin
MRPL43	Bt.8545.1.S1_at	UP	1.6731938	Mitochondrial ribosomal protein L43
GNAS	Bt.5106.1.S1_a_at	UP	1.7883357	GNAS complex locus
RGS20	BtAffx.1.20.S1_at	UP	8.676528	regulator of G-protein signaling 20
EEF1A1	Bt.3573.1.S2_at	UP	1.1377307	eukaryotic translation elongation factor 1 alpha 1
RPL21	Bt.5211.1.S2_at	UP	1.6630225	ribosomal protein L21
RPS15A	Bt.3779.1.S2_at	UP	1.5392843	ribosomal protein S15A
COL4A1	Bt.12912.1.S2_at	UP	5.816012	collagen, type IV, alpha 1
COL4A1	Bt.12912.1.S1_at	UP	4.213526	collagen, type IV, alpha 1
MYH8	Bt.16004.1.A1_at	UP	5.4482913	myosin, heavy chain 8, skeletal muscle, perinatal
STAT3	Bt.15334.1.S1_at	UP	4.964081	signal transducer and activator of transcription 3 (acute-phase response factor)
CAPN2	Bt.20971.1.S1_at	UP	1.3900294	calpain 2, (m/II) large subunit
GATA4	Bt.8960.1.S1_at	UP	3.658832	GATA binding protein 4
NME1	Bt.5340.1.S1_s_at	UP	2.4627998	non-metastatic cells 1, protein (NM23A) expressed in
NNAT	Bt.5129.2.A1_at	UP	4.422034	neuronatin
GLUL	Bt.12472.1.S1_at	UP	2.0401013	glutamate-ammonia ligase (glutamine synthetase)
MTTP	Bt.26343.1.S1_at	UP	3.535171	microsomal triglyceride transfer protein
ZFAND5	Bt.13986.1.S1_at	UP	2.158361	zinc finger, AN1-type domain 5
PSIP1	Bt.12290.1.S1_at	UP	3.0118673	PC4 and SFRS1 interacting protein 1
CCNA2	Bt.2551.1.S1_at	UP	1.5702231	cyclin A2
CDH2	Bt.4417.1.S1_at	UP	11.348812	cadherin 2, type 1, N-cadherin (neuronal)
GULO	Bt.13113.1.S1_at	UP	2.48766	L-gulono-gamma-lactone oxidase

trp	Bt.28607.1.S1_at	UP	2.1235952	transient receptor potential channel 5
SNCA	Bt.12770.1.A1_at	UP	7.151357	synuclein, alpha (non A4 component of amyloid precursor)
KIT	Bt.12804.1.S1_at	UP	4.0751705	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
NOP56	Bt.10277.2.S1_a_at	UP	1.4069154	NOP56 ribonucleoprotein homolog (yeast)
SMC4	Bt.22976.1.S1_at	UP	2.1423357	structural maintenance of chromosomes 4
LEO1	Bt.5319.3.S1_s_at	UP	1.5080689	Leo1, Paf1/RNA polymerase II complex component, homolog (S.
CKB	Bt.5084.1.S1_at	UP	1.4625015	creatine kinase, brain
TUBB2A	Bt.22803.1.S2_at	UP	1.3192087	Tubulin, beta 2A
HMGN2	Bt.1758.1.S1_at	UP	1.9341161	high-mobility group nucleosomal binding domain 2
CHCHD9	Bt.22843.1.S1_at	UP	1.3941456	coiled-coil-helix-coiled-coil-helix domain containing 9
GSN	Bt.12906.1.S1_at	UP	1.8427943	gelsolin (amyloidosis, Finnish type)
BAT1	Bt.4945.1.S1_at	UP	1.7971606	HLA-B associated transcript 1
PSME1	Bt.2575.1.S1_at	UP	1.9714063	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
MGST3	Bt.1157.1.S1_at	UP	3.1794267	microsomal glutathione S-transferase 3
SFRS2	Bt.2594.1.S1_at	UP	1.2343237	splicing factor, arginine/serine-rich 2
FSTL1	Bt.7397.1.S1_at	UP	4.760653	follistatin-like 1
ALDH2	Bt.4659.1.S1_at	UP	2.8106575	aldehyde dehydrogenase 2 family (mitochondrial)
PTMA	Bt.11448.1.S1_at	UP	2.0708523	prothymosin, alpha (gene sequence 28)
NONO	Bt.5038.4.A1_at	UP	1.1524953	non-POU domain containing, octamer-binding
LGALS4	Bt.9082.1.S1_at	UP	3.844479	lectin, galactoside-binding, soluble, 4
2-Sep	Bt.4766.1.S1_at	UP	1.3095806	septin 2
ERH	Bt.12461.1.S1_at	UP	1.5183828	enhancer of rudimentary homolog (Drosophila)
LOC531757	Bt.5043.1.S1_at	UP	2.5332005	Similar to Aminopeptidase O (AP-O)
PSMA3	Bt.6827.1.S1_at	UP	1.172003	proteasome (prosome, macropain) subunit, alpha type, 3
VKORC1	Bt.1707.1.S1_at	UP	1.6410929	vitamin K epoxide reductase complex, subunit 1
GNG10	Bt.2195.1.A1_at	UP	1.6515923	guanine nucleotide binding protein (G protein), gamma 10
ITIH4	Bt.5945.1.A1_at	UP	3.5514505	inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive
NHP2L1	Bt.4185.1.S1_at	UP	1.5857227	NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae)
PSMA2	Bt.641.1.S1_at	UP	1.3607533	proteasome (prosome, macropain) subunit, alpha type, 2
SHMT1	Bt.9805.1.A1_at	UP	1.6429142	serine hydroxymethyltransferase 1 (soluble)
DPYS	Bt.18310.1.A1_at	UP	7.105361	dihydropyrimidinase
IFITM1	Bt.22978.2.S1_at	UP	11.93418	interferon induced transmembrane protein 1 (9-27)
RCN1	Bt.23305.1.S1_at	UP	1.4913841	reticulocalbin 1, EF-hand calcium binding domain
CNBP	Bt.9541.1.S1_at	UP	1.3086414	CCHC-type zinc finger, nucleic acid binding protein
IHH	Bt.22104.1.S1_at	UP	2.623714	Indian hedgehog homolog (Drosophila)
4-Sep	Bt.14150.1.S1_at	UP	3.5844762	septin 4
FKBP1A	Bt.22329.1.S1_at	UP	1.173336	FK506 binding protein 1A, 12kDa
TMEM120A	Bt.4011.1.S1_at	UP	1.7143362	transmembrane protein 120A
RBM4	Bt.20177.1.S1_at	UP	1.3099024	RNA binding motif protein 4
SNRPD3	Bt.2840.1.S1_at	UP	1.6542706	small nuclear ribonucleoprotein D3 polypeptide 18kDa
HNRNPM	Bt.2926.1.S1_at	UP	1.350392	heterogeneous nuclear ribonucleoprotein M
MS4A8B	Bt.9605.1.S1_at	UP	3.6215146	membrane-spanning 4-domains, subfamily A, member 8B
MRPL18	Bt.5459.1.S1_at	UP	1.4762818	mitochondrial ribosomal protein L18
TSC22D1	Bt.4870.1.S1_at	UP	1.8283274	TSC22 domain family, member 1
CMTM6	Bt.17318.1.S1_at	UP	1.9500399	CKLF-like MARVEL transmembrane domain containing 6
FAM32A	Bt.9547.1.S2_at	UP	1.7666997	family with sequence similarity 32, member A
H2AFV	Bt.676.1.S1_at	UP	1.617264	H2A histone family, member V
SHISA5	Bt.2340.1.S1_at	UP	1.4380631	shisa homolog 5 (Xenopus laevis)
C5H12ORF57	Bt.2856.1.S1_at	UP	1.7036338	chromosome 12 open reading frame 57 ortholog
CD47	Bt.15742.1.S2_at	UP	4.735869	CD47 molecule
CDIPT	Bt.23366.1.S1_at	UP	1.5625898	CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)
BNIP3L	Bt.888.1.S1_at	UP	1.3406193	BCL2/adenovirus E1B 19kDa interacting protein 3-like
PRKAR1A	Bt.10903.1.S1_at	UP	1.2329001	Protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)
C1QBP	Bt.16082.1.S1_at	UP	1.3238605	complement component 1, q subcomponent binding protein
C13H20ORF27	Bt.4339.1.S1_at	UP	1.625298	chromosome 20 open reading frame 27 ortholog
ID1	Bt.1730.1.A1_at	UP	9.99384	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
FBLN1	Bt.22545.1.S1_a_at	UP	6.767118	fibulin 1
LGALS9	Bt.8906.1.S1_at	UP	1.4297639	lectin, galactoside-binding, soluble, 9
NOP16	Bt.8324.1.S1_at	UP	1.5574106	NOP16 nucleolar protein homolog (yeast)
GRP	Bt.22843.2.A1_at	UP	5.3181453	gastrin-releasing peptide
SAE1	Bt.10575.1.S1_at	UP	1.3462676	SUMO1 activating enzyme subunit 1
MCM4	Bt.20262.1.S1_at	UP	1.6667657	minichromosome maintenance complex component 4
MRPS5	Bt.4900.1.A1_at	UP	1.341428	mitochondrial ribosomal protein S5
PDCD4	Bt.4770.1.S1_at	UP	1.6695731	programmed cell death 4 (neoplastic transformation inhibitor)
POLR2H	Bt.2453.1.S1_at	UP	1.276334	polymerase (RNA) II (DNA directed) polypeptide H
DDX6	Bt.12357.1.S1_at	UP	1.5566809	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
KANK2	Bt.7727.1.S1_at	UP	1.8260739	KN motif and ankyrin repeat domains 2
RAB5A	Bt.4691.1.S1_at	UP	1.5166163	RAB5A, member RAS oncogene family
	Bt.3722.1.S1_at	UP	2.4098475	
SMARCE1	Bt.18381.1.S1_at	UP	1.8072184	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1
	Bt.11052.1.S1_at	UP	1.1581465	
CDO1	Bt.2723.1.A1_at	UP	2.3376448	cysteine dioxygenase, type I
CCNC	Bt.5852.1.A1_at	UP	1.7912474	cyclin C
HK1	Bt.4234.1.S1_at	UP	1.770365	hexokinase 1
LUC7L	Bt.13181.9.S1_at	UP	1.4129854	LUC7-like (S. cerevisiae)
S100B	Bt.4775.1.S1_at	UP	2.339795	S100 calcium binding protein B
FAM73B	Bt.12946.1.S1_at	UP	1.3007042	hypothetical protein LOC535315
PRMT5	Bt.16112.1.S1_at	UP	1.2318808	protein arginine methyltransferase 5
DDIT4	Bt.2091.1.S1_at	UP	3.7367992	DNA-damage-inducible transcript 4
CDC42SE1	Bt.21485.1.S1_at	UP	1.328241	CDC42 small effector 1
GNA12	Bt.9530.1.S1_at	UP	1.5160408	guanine nucleotide binding protein (G protein) alpha 12
APOA4	Bt.15890.1.S1_at	UP	2.5392697	apolipoprotein A-IV
	Bt.1670.1.A1_at	UP	1.8933599	
SFRS6	Bt.11102.1.A1_at	UP	2.291122	splicing factor, arginine/serine-rich 6
THOC4	Bt.1768.1.A1_at	UP	1.2179981	THO complex 4
ADH6	Bt.9697.1.A1_at	UP	5.535358	alcohol dehydrogenase 6 (class V)
SLC29A1	Bt.21770.1.S1_at	UP	2.625883	solute carrier family 29 (nucleoside transporters), member 1
	Bt.7342.1.S1_at	UP	2.1341567	
LOC505800	Bt.7013.1.S1_at	UP	3.9837735	similar to Interleukin-32 precursor (IL-32) (Natural killer cells protein 4) (Tumor necrosis factor alpha-inducing factor)
	Bt.15782.1.S1_at	UP	2.1967819	
NUDT5	Bt.2887.1.S1_at	UP	1.702558	nudix (nucleoside diphosphate linked moiety X)-type motif 5
DNAJA1	Bt.3274.1.A2_at	UP	2.195616	DnaJ (Hsp40) homolog, subfamily A, member 1
NASP	Bt.6679.1.S1_at	UP	1.8867738	nuclear autoantigenic sperm protein (histone-binding)
LOC100125763	Bt.3780.1.S1_at	UP	4.658695	neuronal protein 3.1
DKC1	Bt.12564.1.S1_at	UP	1.6657909	dyskeratosis congenita 1, dyskerin
MCM3	Bt.11129.1.S1_at	UP	1.7718104	minichromosome maintenance complex component 3
ACOX3	Bt.9711.1.S1_at	UP	1.5807723	acyl-Coenzyme A oxidase 3, pristanoyl
LOC768237	Bt.13315.1.S1_at	UP	4.88143	hypothetical protein LOC768237
	Bt.13851.1.S1_at	UP	4.4379554	
MSH2	Bt.635.1.S1_at	UP	1.5243415	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)
LOC539976	Bt.2801.1.S1_at	UP	1.9461858	leprecan 1

MARVELD1	Bt.3391.1.S1_at	UP	1.879712	MARVEL domain containing 1
METTL9	Bt.10960.1.A1_at	UP	2.127493	methyltransferase like 9
LIPA	Bt.3120.1.A1_at	UP	1.9426537	lipase A, lysosomal acid, cholesterol esterase
	Bt.9105.1.S1_at	UP	2.1127899	
	Bt.723.1.S1_at	UP	1.4790155	
AAMP	Bt.20293.1.S1_at	UP	1.3036602	angio-associated, migratory cell protein
PPIH	Bt.6641.1.S1_at	UP	1.4594461	peptidylprolyl isomerase H (cyclophilin H)
AHSA1	Bt.1932.1.S1_at	UP	1.2727741	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)
HNRNPU	Bt.9877.1.S1_at	UP	1.3993999	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor
CAPRIN1	Bt.9795.1.S1_at	UP	1.5726728	Cell cycle associated protein 1
ATIC	Bt.1679.1.S1_at	UP	1.26271	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase
LSM1	Bt.2005.1.S1_at	UP	1.3059921	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)
LOC527068	Bt.23094.5.S1_at	UP	2.1300673	aldo-keto reductase family 1 member C3 -like
KIAA0406	Bt.6674.1.S1_at	UP	1.7249509	hypothetical protein LOC534917
CMTM3	Bt.13240.1.S1_at	UP	1.5579358	CKLF-like MARVEL transmembrane domain containing 3
ZMAT2	Bt.20406.1.S1_at	UP	1.4723231	Zinc finger, matrin type 2
LOC520939	Bt.2590.1.A1_at	UP	2.5550973	similar to Krueppel-like factor 2 (Lung krueppel-like factor)
CDCA7	Bt.6441.1.S1_at	UP	2.9540546	cell division cycle associated 7
FASTKD5	Bt.7257.1.S1_at	UP	1.3505609	FAST kinase domains 5
	Bt.28325.1.S1_at	UP	2.1107383	
DENND5A	Bt.5406.1.S1_at	UP	1.5795355	DENN/MADD domain containing 5A
HP1BP3	Bt.22333.1.S1_at	UP	1.303216	heterochromatin protein 1, binding protein 3
	Bt.13834.1.S1_at	UP	1.8534273	
ACP6	Bt.9014.1.A1_at	UP	1.5831825	acid phosphatase 6, lysophosphatidic
LOC513273	Bt.1520.1.S1_at	UP	1.801009	similar to Williams-Beuren syndrome chromosomal region 16 protein (RCC1-like G exchanging factor-like protein)
FYN	Bt.2359.1.A1_at	UP	5.227046	FYN oncogene related to SRC, FGR, YES
BMS1	Bt.8713.1.S1_at	UP	1.3233825	BMS1 homolog, ribosome assembly protein (yeast)
	Bt.1908.1.S1_at	UP	1.9437855	
STMN1	Bt.3137.1.S1_at	UP	2.1732843	stathmin 1
MAT2A	Bt.7995.1.S1_at	UP	1.7841699	methionine adenosyltransferase II, alpha
DDX39	Bt.5200.1.S1_at	UP	1.3756125	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39
MCM7	Bt.4791.1.S1_at	UP	1.3559264	minichromosome maintenance complex component 7
HIBADH	Bt.6171.1.A1_at	UP	2.234359	3-hydroxyisobutyrate dehydrogenase
PCNA	Bt.13480.1.S1_at	UP	1.7730103	proliferating cell nuclear antigen
ELOF1	Bt.3869.1.S1_at	UP	1.4891194	elongation factor 1 homolog (S. cerevisiae)
TSKU	Bt.10688.1.S1_at	UP	2.3345726	tsukushin
JAM3	Bt.8492.1.A1_at	UP	2.5452518	junctional adhesion molecule 3
SNRPN	Bt.4887.2.A1_a_at	UP	1.4748697	small nuclear ribonucleoprotein polypeptide N
IMP4	Bt.5241.1.S1_at	UP	1.6764994	IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast)
TSPAN14	Bt.9201.1.A1_at	UP	1.3699702	tetraspanin 14
NUTF2	Bt.7836.1.S1_at	UP	1.6119509	nuclear transport factor 2
LOC100140583	Bt.4495.1.S1_at	UP	2.9750373	similar to OVARIAN/Breast septin gamma
HEBP1	Bt.5047.1.S1_at	UP	1.8284152	heme binding protein 1
TMEM120A	Bt.7955.2.S1_at	UP	2.3102021	transmembrane protein 120A
PMM1	Bt.21911.1.S1_at	UP	2.7788932	phosphomannomutase 1
FBL	Bt.15722.1.S1_at	UP	1.5409442	fibrillarin
RBBP4	Bt.9383.1.S1_at	UP	1.5945637	retinoblastoma binding protein 4
TRAPPC4	Bt.15766.1.S1_at	UP	1.2586749	trafficking protein particle complex 4
INTS9	Bt.10068.1.S1_at	UP	1.7154276	integrator complex subunit 9
PTCD3	Bt.11487.1.A1_at	UP	1.3254647	Pentatricopeptide repeat domain 3
EIF4E2	Bt.2249.1.S1_at	UP	1.3047992	eukaryotic translation initiation factor 4E family member 2
UBAP1	Bt.13808.1.A1_at	UP	1.2869858	ubiquitin associated protein 1
	Bt.28335.1.A1_at	UP	4.4840274	
SUMO3	Bt.23034.2.S1_at	UP	1.5410223	SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae)
SNRNP25	Bt.16815.1.S1_at	UP	2.3676815	small nuclear ribonucleoprotein 25kDa (U11/U12)
ABCG1	Bt.721.1.A1_at	UP	1.579348	ATP-binding cassette, sub-family G (WHITE), member 1
HMGN3	Bt.5039.1.S1_at	UP	2.6647835	high mobility group nucleosomal binding domain 3
SLC25A37	Bt.15671.1.S1_at	UP	1.3514429	solute carrier family 25, member 37
LOC529109	Bt.19027.1.A1_at	UP	1.3870343	similar to Mediator of RNA polymerase II transcription subunit 14 (Mediator complex subunit 14) (CRSP complex subunit 2) (Cofactor required for Sp1 transcriptional activation subunit 2) (Transcriptional coactivator CRSP150) (Vitamin D3 receptor-int
H3F3A	Bt.5089.1.S3_at	UP	1.9021358	H3 histone, family 3A
OTUB1	Bt.5104.1.S1_at	UP	1.2521676	OTU domain, ubiquitin aldehyde binding 1
ADH5	Bt.2561.1.S1_at	UP	1.917343	alcohol dehydrogenase 5 (class III), chi polypeptide
MRPS11	Bt.9324.1.S1_at	UP	1.4089174	mitochondrial ribosomal protein S11
TRAP1	Bt.4118.1.A1_at	UP	1.7850615	TNF receptor-associated protein 1
ARL6IP5	Bt.13574.1.S1_at	UP	1.6466533	ADP-ribosylation-like factor 6 interacting protein 5
AVPI1	Bt.3823.1.S1_at	UP	1.7402735	arginine vasopressin-induced 1
DGUOK /// LOC100140790	Bt.672.1.S1_at	UP	1.5510713	deoxyguanosine kinase /// similar to Deoxyguanosine kinase
C9orf89	Bt.20062.1.S1_at	UP	2.5987275	Chromosome 9 open reading frame 89
CDK2	Bt.21444.1.S1_at	UP	1.4491379	cyclin-dependent kinase 2
ERC1	Bt.22545.2.S1_at	UP	5.487978	ELKS/RAB6-interacting/CAST family member 1
KIAA0101	Bt.18776.1.S1_at	UP	1.9809816	KIAA0101 protein
SFRS7	Bt.8206.1.S1_at	UP	1.757582	splicing factor, arginine/serine-rich 7, 35kDa
PAPSS1	Bt.11219.1.A1_at	UP	2.2768881	3'-phosphoadenosine 5'-phosphosulfate synthase 1
TCEA1	Bt.13876.1.A1_at	UP	1.5954885	transcription elongation factor A (SII), 1
LOC530325	Bt.22421.1.A1_at	UP	1.6382368	similar to signal peptide peptidase-like 2A
CDC26	Bt.13864.1.A1_at	UP	1.2970196	cell division cycle 26 homolog (S. cerevisiae)
BRP44	Bt.22519.1.S1_at	UP	1.2456716	brain protein 44
LOC618617	Bt.22224.1.S1_at	UP	1.4030488	similar to Family with sequence similarity 100, member B
NHP2	Bt.12966.1.S1_at	UP	1.3897431	NHP2 ribonucleoprotein homolog (yeast)
SAP18	Bt.1505.1.S1_at	UP	1.5566897	Sin3A-associated protein, 18kDa
MGC127133	Bt.28223.1.S1_at	UP	5.2710733	20-beta-hydroxysteroid dehydrogenase-like
PECR	Bt.15781.1.A1_at	UP	2.8178718	peroxisomal trans-2-enoyl-CoA reductase
	Bt.11187.1.S1_at	UP	1.5091255	
DCTPP1	Bt.12508.1.S1_at	UP	1.7384822	dCTP pyrophosphatase 1
POP5	Bt.10352.1.S1_at	UP	2.6133566	processing of precursor 5, ribonuclease P/MRP subunit (S. cerevisiae)
CDR2	Bt.15847.1.S1_at	UP	1.2987545	cerebellar degeneration-related protein 2, 62kDa
STAT1	Bt.9064.1.S1_at	UP	2.3488612	signal transducer and activator of transcription 1, 91kDa
LOC514296	Bt.8874.1.S1_at	UP	1.9104093	similar to 5-nucleotidase domain containing 2
XRCC5	Bt.3049.1.A1_at	UP	2.1526446	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)
MPZL1	Bt.18006.1.S1_at	UP	1.2919986	myelin protein zero-like 1
ZAP70	Bt.20905.1.S1_at	UP	2.7186546	zeta-chain (TCR) associated protein kinase 70kDa
	Bt.24749.1.S1_at	UP	13.024725	
CDK2AP1	Bt.2660.1.S1_at	UP	1.6202809	cyclin-dependent kinase 2 associated protein 1
ZNHIT3	Bt.7032.1.S1_at	UP	1.9052997	zinc finger, HIT type 3
	Bt.11496.1.S1_at	UP	2.6904783	
LOC538940	Bt.5042.2.S1_at	UP	1.404417	similar to codanin 1
DNAJB5	Bt.22163.1.S1_at	UP	1.2818011	DnaJ (Hsp40) homolog, subfamily B, member 5
LOC538561	Bt.11492.1.A1_at	UP	2.015091	similar to meningioma expressed antigen 5 (hyaluronidase)
TMEM8	Bt.24688.1.S1_at	UP	4.302474	transmembrane protein 8 (five membrane-spanning domains)

	Bt.20553.1.A1_at	UP	1.3917509	
DOCK11	Bt.2966.1.A1_at	UP	3.7746418	dedicator of cytokinesis 11
	Bt.14211.1.A1_at	UP	1.4963391	
KCTD20	Bt.12692.1.A1_at	UP	1.3456129	potassium channel tetramerisation domain containing 20
DCI	Bt.13530.1.S1_at	UP	1.445316	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)
TEX9	Bt.16460.1.A1_at	UP	3.6667423	Testis expressed 9
FXYD6	Bt.5369.1.S1_at	UP	3.5548148	FXYD domain containing ion transport regulator 6
ID2	Bt.2415.1.S1_at	UP	2.643875	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein
FKBP11	Bt.6840.1.S1_a_at	UP	1.9831684	FK506 binding protein 11, 19 kDa
CD320	Bt.7932.1.S1_a_at	UP	2.4379852	CD320 molecule
CD320	Bt.7932.1.S1_at	UP	1.909349	CD320 molecule
PPAN-P2RY11	Bt.3593.1.S1_at	UP	1.5036325	PPAN-P2RY11 readthrough transcript
C21H14orf147	Bt.3001.1.S1_at	UP	2.2798579	chromosome 14 open reading frame 147 ortholog
EMG1	Bt.26573.1.S1_at	UP	1.525665	EMG1 nucleolar protein homolog (S. cerevisiae)
TMEM93	Bt.23600.1.S1_at	UP	1.377209	transmembrane protein 93
PSMB3	Bt.7644.1.S1_at	UP	1.5326722	proteasome (prosome, macropain) subunit, beta type, 3
MYLIP	Bt.6814.1.S1_at	UP	2.677541	myosin regulatory light chain interacting protein
RSL1D1	Bt.4815.1.S1_at	UP	1.4232781	ribosomal L1 domain containing 1
MRPL37	Bt.3873.1.S1_at	UP	1.3852972	mitochondrial ribosomal protein L37
SYAP1	Bt.8054.1.S1_at	UP	1.4647386	synapse associated protein 1, SAP47 homolog (Drosophila)
TIMM8A	Bt.7266.1.S1_at	UP	1.6498435	translocase of inner mitochondrial membrane 8 homolog A (yeast)
EGFLAM	Bt.12654.1.S1_at	UP	3.5199912	EGF-like, fibronectin type III and laminin G domains
TTC19	Bt.1937.1.S1_at	UP	1.6002201	tetratricopeptide repeat domain 19
FAM49B	Bt.21539.1.S1_at	UP	1.4650673	family with sequence similarity 49, member B
POLR1C	Bt.26716.3.A1_a_at	UP	1.9374522	polymerase (RNA) I polypeptide C, 30kDa
LOC530070	Bt.15909.1.S1_at	UP	1.6100823	hypothetical protein LOC530070
SCNM1	Bt.13928.2.S1_a_at	UP	1.3920728	sodium channel modifier 1
PITX2	Bt.21215.1.A1_at	UP	2.2632408	paired-like homeodomain 2
TRIO	Bt.5965.1.S1_at	UP	1.4753908	triple functional domain (PTPRF interacting)
MAP1LC3B	Bt.6774.1.S1_at	UP	1.6060026	microtubule-associated protein 1 light chain 3 beta
TTC27	Bt.1200.2.A1_a_at	UP	1.4387426	tetratricopeptide repeat domain 27
WDR77	Bt.9147.1.A1_at	UP	1.4162552	WD repeat domain 77
WDFY2	Bt.21456.1.S1_at	UP	3.0436773	WD repeat and FYVE domain containing 2
SF4	Bt.919.1.S1_at	UP	1.2373952	splicing factor 4
	Bt.17090.1.S1_at	UP	2.655326	
	Bt.3532.1.A1_at	UP	6.153465	
APIP	Bt.25535.2.S1_a_at	UP	1.8049119	APAF1 interacting protein
C1H21ORF59	Bt.22503.1.A1_at	UP	2.0407436	chromosome 21 open reading frame 59 ortholog
MGC137368	Bt.9213.1.A1_at	UP	1.8346058	Fanconi anemia-associated protein, 24 kDa
XPO7	Bt.5460.1.A1_at	UP	2.0954704	Exportin 7
ISG20L2	Bt.29920.1.S1_at	UP	1.7851114	interferon stimulated exonuclease gene 20kDa-like 2
RWDD1	Bt.752.1.S1_a_at	UP	1.4084718	RWD domain containing 1
USP10	Bt.27346.1.S1_at	UP	1.3398287	ubiquitin specific peptidase 10
MRPS15	Bt.27027.1.S1_a_at	UP	1.7284337	mitochondrial ribosomal protein S15
GLRX5	Bt.11167.1.S1_at	UP	1.6930215	glutaredoxin 5
	Bt.1821.1.S1_at	UP	1.976903	
CTCF	Bt.15916.1.S1_at	UP	1.3257626	CCCTC-binding factor (zinc finger protein)
NUP35	Bt.25158.1.S1_at	UP	1.3841267	nucleoporin 35kDa
PTDSS1	Bt.17659.1.S1_at	UP	2.5562253	phosphatidylserine synthase 1
	Bt.11500.1.A1_at	UP	2.7773726	
TMC4	Bt.20401.1.A1_at	UP	2.1560411	transmembrane channel-like 4
MORC4	Bt.6579.1.S1_at	UP	3.881115	MORC family CW-type zinc finger 4
	Bt.9798.1.S1_at	UP	1.2838861	
COQ7	Bt.20358.2.S1_a_at	UP	1.4801526	coenzyme Q7 homolog, ubiquinone (yeast)
SF3B5	Bt.4949.1.S1_at	UP	1.9564462	splicing factor 3b, subunit 5, 10kDa
CIDEB	Bt.21648.1.S1_a_at	UP	4.4340534	cell death-inducing DFFA-like effector b
CIDEB	Bt.21648.1.S1_at	UP	4.443019	cell death-inducing DFFA-like effector b
CSRP2BP	Bt.15770.1.S1_at	UP	1.6446478	CSRP2 binding protein
PYCR2	Bt.7679.1.S1_at	UP	1.3031586	pyrroline-5-carboxylate reductase family, member 2
EBNA1BP2	Bt.11352.1.S1_a_at	UP	1.5428855	EBNA1 binding protein 2
EBNA1BP2	Bt.11352.1.S1_at	UP	1.6867346	EBNA1 binding protein 2
	Bt.8322.1.S1_at	UP	1.66416	
	Bt.11278.1.S1_at	UP	1.378462	
	Bt.9090.1.S1_at	UP	2.5419	
NSMCE1	Bt.7120.1.S1_a_at	UP	1.232618	non-SMC element 1 homolog (S. cerevisiae)
PHC1	Bt.20423.1.S1_at	UP	2.4848998	similar to polyhomeotic 1-like
PMP22	Bt.22534.1.S1_at	UP	5.0634594	peripheral myelin protein 22
CDH17	Bt.28258.1.S1_at	UP	4.4257946	cadherin 17, LI cadherin (liver-intestine)
CAPN5	Bt.12562.1.S1_at	UP	1.3228551	calpain 5
UBAP2L	Bt.23627.1.S1_at	UP	1.6320254	ubiquitin associated protein 2-like
SRPK2	Bt.20106.1.S1_at	UP	1.8968742	SFRS protein kinase 2
TXNDC13	Bt.21920.1.S1_at	UP	1.3825767	Thioredoxin domain containing 13
TSEN2	Bt.5839.1.S1_at	UP	1.3586583	tRNA splicing endonuclease 2 homolog (S. cerevisiae)
CORO2A	Bt.17910.1.A1_at	UP	1.7083338	coronin, actin binding protein, 2A
TTC5	Bt.3106.1.S1_at	UP	1.4848803	tetratricopeptide repeat domain 5
FAM44B /// LOC781944	Bt.6432.1.S1_at	UP	1.432207	family with sequence similarity 44, member B /// similar to family with sequence similarity 44, member B
C5H12orf32	Bt.10610.1.S1_at	UP	1.7825116	chromosome 12 open reading frame 32 ortholog
CBR1	Bt.7872.1.S1_at	UP	2.8132484	Hypothetical LOC780962
COQ3	Bt.19692.1.S1_at	UP	1.4639995	coenzyme Q3 homolog, methyltransferase (S. cerevisiae)
PFKM	Bt.2347.3.S1_a_at	UP	4.176914	phosphofructokinase, muscle
PFKM	Bt.2347.1.S1_at	UP	5.162419	phosphofructokinase, muscle
LOC512933	Bt.17158.1.S1_at	UP	1.7502816	similar to Uncharacterized protein KIAA0753
PRSS16	Bt.20523.1.S1_at	UP	2.6121387	protease, serine, 16 (thymus)
IL6ST	Bt.5705.1.S1_at	UP	2.587386	Interleukin 6 signal transducer (gp130, oncostatin M receptor)
ABAT	Bt.14570.1.A1_at	UP	2.472027	4-aminobutyrate aminotransferase
BTBD10	Bt.22535.1.S1_at	UP	1.7694463	BTB (POZ) domain containing 10
	Bt.23203.1.S1_at	UP	1.7667328	
B4GALNT1	Bt.26592.1.S1_at	UP	8.273549	beta-1,4-N-acetyl-galactosaminyl transferase 1
SUSD3	Bt.15942.1.A1_at	UP	2.2805777	sushi domain containing 3
EIF4G3	Bt.20006.1.A1_at	UP	2.1974342	Eukaryotic translation initiation factor 4 gamma, 3
FIBIN	Bt.3435.1.A1_at	UP	1.52275	fin bud initiation factor homolog (zebrafish)
ADD3	Bt.20897.1.A1_at	UP	1.3217549	adducin 3 (gamma)
CTNNBIP1	Bt.14644.1.A1_at	UP	1.2495954	catenin, beta interacting protein 1
CCBP2	Bt.16427.1.S1_at	UP	6.1532493	chemokine binding protein 2
DIP2C	Bt.2418.1.S1_at	UP	1.5492817	DIP2 disco-interacting protein 2 homolog C (Drosophila)
MOSC1	Bt.9268.1.S1_at	UP	1.6581633	MOCO sulphurase C-terminal domain containing 1
HSPH1	Bt.8738.1.S1_at	UP	1.3381237	heat shock 105kDa/110kDa protein 1
PRIM2	Bt.22551.1.A1_at	UP	1.2324684	primase, DNA, polypeptide 2 (58kDa)
	Bt.10953.1.A1_at	UP	1.8408295	
	Bt.27039.1.A1_at	UP	2.6123564	
EID3	Bt.11769.1.A1_at	UP	3.10183	EP300 interacting inhibitor of differentiation 3
IMP3	Bt.5465.2.A1_a_at	UP	1.5103359	IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast)
	Bt.20093.1.S1_at	UP	1.5344663	

LOC617104	Bt.9210.1.S1_at	UP	1.8878314	growth and transformation-dependent protein
NBAS	Bt.21110.1.S1_at	UP	2.0466464	neuroblastoma amplified sequence
LSM12	Bt.20314.1.S1_at	UP	1.3727189	LSM12 homolog (S. cerevisiae)
	Bt.7058.1.S1_at	UP	2.143401	
	Bt.24660.1.S1_at	UP	1.7750151	
WDR40A	Bt.3382.1.S1_at	UP	1.2423444	WD repeat domain 40A
ANAPC13	Bt.20877.1.S1_at	UP	1.3735057	anaphase promoting complex subunit 13
CDC42EP3	Bt.1560.1.S1_at	UP	1.6695998	CDC42 effector protein (Rho GTPase binding) 3
PIAS3	Bt.20008.1.S1_at	UP	1.5692852	protein inhibitor of activated STAT, 3
MGC139164	Bt.25102.1.S1_a_at	UP	2.704714	hypothetical LOC509649
ME2	Bt.6984.2.S1_a_at	UP	2.0142782	malic enzyme 2, NAD(+)-dependent, mitochondrial
RPL22L1	Bt.4952.1.S1_at	UP	1.4468352	ribosomal protein L22-like 1
SAFB2	Bt.8079.1.S1_a_at	UP	1.4890683	scaffold attachment factor B2
	Bt.2501.1.S1_at	UP	1.760577	
	Bt.6090.1.S1_at	UP	1.445098	
	Bt.9966.1.S1_at	UP	5.9214664	
MTX1	Bt.23524.1.S1_at	UP	1.2815065	metaxin 1
MAGEF1	Bt.6114.1.S1_at	UP	2.2117589	melanoma antigen family F, 1
LOC505415	Bt.13927.1.S1_at	UP	1.3134079	hypothetical protein LOC505415
PRPS1	Bt.3500.1.S1_at	UP	3.847875	phosphoribosyl pyrophosphate synthetase 1
AOC3	Bt.19565.1.S1_at	UP	1.353627	amine oxidase, copper containing 3 (vascular adhesion protein 1)
DKKL1	Bt.2886.1.S1_at	UP	1.9860529	dickkopf-like 1 (soggy)
AHCYL2	Bt.20733.1.S1_at	UP	3.9811473	S-adenosylhomocysteine hydrolase-like 2
PDSS1	Bt.22306.1.S1_at	UP	2.009032	prenyl (decaprenyl) diphosphate synthase, subunit 1
	Bt.21286.1.S1_at	UP	2.4971063	
CKAP2	Bt.10007.1.A1_at	UP	1.369452	Cytoskeleton associated protein 2
CBX6	Bt.13458.1.S1_at	UP	2.7948062	Chromobox homolog 6
GRWD1	Bt.3201.1.S1_at	UP	1.6175138	glutamate-rich WD repeat containing 1
	Bt.7041.1.S1_at	UP	3.417273	
ARIH2	Bt.22319.1.S1_at	UP	1.3164287	ariadne homolog 2 (Drosophila)
EGR1	Bt.22265.1.S1_at	UP	2.9722095	early growth response 1
LOC783429	Bt.3121.1.S1_at	UP	2.0046446	similar to KIAA2038 protein
LOC520518	Bt.25098.1.S1_at	UP	1.4301918	similar to Hcp beta-lactamase-like protein C1orf163
	Bt.9345.1.S1_at	UP	1.4671432	
CETN3	Bt.19601.1.S1_at	UP	1.8923268	centrin, EF-hand protein, 3 (CDC31 homolog, yeast)
RSPO3	Bt.24212.1.S1_at	UP	2.9691484	R-spondin 3 homolog (Xenopus laevis)
NLE1	Bt.22388.1.S1_at	UP	1.8289967	notchless homolog 1 (Drosophila)
	Bt.28144.1.S1_at	UP	1.573196	
SMS	Bt.14326.1.S1_at	UP	2.3752365	spermine synthase
UNG	Bt.11128.1.S1_at	UP	2.3026683	uracil-DNA glycosylase
SH3D19	Bt.25185.1.S1_at	UP	1.2445118	SH3 domain containing 19
	Bt.17306.1.S1_at	UP	2.7169302	
CLNS1A	Bt.25002.1.S1_at	UP	1.7807251	chloride channel, nucleotide-sensitive, 1A
DIMT1L	Bt.19993.1.A1_at	UP	1.8782161	DIM1 dimethyladenosine transferase 1-like (S. cerevisiae)
	Bt.20257.1.S1_at	UP	2.032546	
SART1	Bt.13807.1.S1_at	UP	1.8525231	squamous cell carcinoma antigen recognized by T cells
CES3	Bt.21078.1.A1_at	UP	1.7845219	carboxylesterase 3
	Bt.996.1.S1_at	UP	7.5719895	
	Bt.1915.1.S1_at	UP	1.8844472	
	Bt.4270.1.S1_at	UP	1.4701469	
	Bt.17073.1.S1_at	UP	1.603487	
CUL4B	Bt.9176.1.A1_at	UP	1.4841082	cullin 4B
SSR3	Bt.20637.1.S1_at	UP	1.6207522	Signal sequence receptor, gamma (translocon-associated protein
SIRT6	Bt.20024.1.S1_at	UP	1.8886265	sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae)
HLTF	Bt.19519.1.S1_at	UP	2.764558	Helicase-like transcription factor
MYCBP	Bt.18724.1.S1_at	UP	1.3780513	C-myc binding protein
RFK	Bt.13743.1.A1_at	UP	2.0670078	Riboflavin kinase
	Bt.13355.1.S1_at	UP	2.455925	
	Bt.10865.1.S1_at	UP	2.4301834	
LOC100139879	Bt.727.2.S1_at	UP	1.3014328	similar to Nucleoporin Nup37 (p37)
MAP7D3	Bt.27177.1.A1_at	UP	8.92545	MAP7 domain containing 3
ABO	Bt.28229.1.A1_s_at	UP	6.382018	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)
HDDC2	Bt.9255.1.A1_at	UP	1.6336415	HD domain containing 2
PCP4L1	Bt.5420.1.A1_at	UP	1.9423405	Purkinje cell protein 4 like 1
ACOT7	Bt.15725.1.A1_at	UP	1.6959513	acyl-CoA thioesterase 7
	Bt.22323.1.A1_a_at	UP	2.7101634	
REEP4	Bt.20485.1.S1_at	UP	10.384985	receptor accessory protein 4
TFB1M	Bt.9999.1.A1_at	UP	1.3608145	transcription factor B1, mitochondrial
BRMS1L	Bt.21099.1.A1_at	UP	1.7242163	breast cancer metastasis-suppressor 1-like
C22H3ORF63	Bt.25054.1.A1_at	UP	1.8663839	chromosome 3 open reading frame 63 ortholog
	Bt.3140.1.A1_at	UP	4.269181	
SAMD1	Bt.11152.1.S1_at	UP	1.8728231	sterile alpha motif domain containing 1
TEX10	Bt.1524.1.S1_a_at	UP	1.2354726	testis expressed 10
TRMT6	Bt.5857.1.S1_at	UP	1.285158	TRNA methyltransferase 6 homolog (S. cerevisiae)
SRI	Bt.15882.2.S1_a_at	UP	2.237154	sorcin
	Bt.19278.1.S1_at	UP	1.2957915	
LARP7	Bt.18573.1.S1_at	UP	1.5343205	La ribonucleoprotein domain family, member 7
DHX29	Bt.16528.1.A1_at	UP	1.4050854	DEAH (Asp-Glu-Ala-His) box polypeptide 29
CIRH1A	Bt.24879.1.A1_at	UP	1.2597615	cirrhosis, autosomal recessive 1A (cirhin)
DEPDC7	Bt.19483.1.A1_at	UP	2.305685	DEP domain containing 7
ORC1L	Bt.2111.1.S1_a_at	UP	2.7270958	origin recognition complex, subunit 1-like (yeast)
AVEN	Bt.1793.1.A1_at	UP	1.4770617	apoptosis, caspase activation inhibitor
GPR116	Bt.14566.1.A1_at	UP	3.469202	G protein-coupled receptor 116
CA13	Bt.12503.1.A1_at	UP	27.850735	carbonic anhydrase XIII
	Bt.23893.1.A1_s_at	UP	7.3114085	
	Bt.19737.1.A1_at	UP	2.2936506	
C13H20ORF7	Bt.22054.2.S1_a_at	UP	1.5847405	chromosome 20 open reading frame 7 ortholog
C13H20ORF7	Bt.22054.1.S1_at	UP	1.881311	chromosome 20 open reading frame 7 ortholog
HTATSF1	Bt.9198.1.A1_at	UP	1.3816345	HIV-1 Tat specific factor 1
CETN4	Bt.2882.1.A1_at	UP	4.151946	centrin 4
LOC540455	Bt.25924.1.A1_at	UP	2.479336	hypothetical protein LOC540455
CCDC115	Bt.8003.1.A1_at	UP	2.1367986	coiled-coil domain containing 115
PXMP3	Bt.23704.1.A1_at	UP	1.5806835	peroxisomal membrane protein 3, 35kDa
AMPH	Bt.2233.1.A1_at	UP	5.212587	Amphiphysin
LOC532409	Bt.11711.1.A1_at	UP	3.8496773	similar to high-mobility group box 3
SMARCAD1	Bt.9878.1.A1_at	UP	1.622689	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1
	Bt.992.1.A1_at	UP	9.529165	
ZNHIT1	Bt.15946.1.S1_at	UP	2.3467762	zinc finger, HIT type 1
CCDC8	Bt.11029.1.S1_at	UP	1.6785711	Coiled-coil domain containing 8
ARF5	Bt.26666.1.S1_at	UP	2.4146986	ADP-ribosylation factor 5

TCF3	Bt.3789.1.S1_at	UP	1.756345	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)
CASP3	Bt.10084.1.S1_at	UP	1.6864005	caspase 3, apoptosis-related cysteine peptidase
L3MBTL2	Bt.26574.1.S1_at	UP	2.1690812	L(3)mbt-like 2 (Drosophila)
	Bt.20413.1.S1_at	UP	1.731754	
ZCCHC17	Bt.2830.1.S1_a_at	UP	1.3461407	zinc finger, CCHC domain containing 17
ZMIZ2	Bt.4755.1.S1_at	UP	1.9597406	zinc finger, MIZ-type containing 2
FAM118B	Bt.21568.1.S1_at	UP	2.2604866	family with sequence similarity 118, member B
THOC3	Bt.3953.1.S1_at	UP	1.3727006	THO complex 3
FNBP1	Bt.10381.1.S1_at	UP	3.4896405	formin binding protein 1
NUDT4	Bt.10043.1.S1_at	UP	1.5117098	nudix (nucleoside diphosphate linked moiety X)-type motif 4
TRIM27	Bt.21774.1.S1_at	UP	1.3744003	Tripartite motif-containing 27
STK24	Bt.29914.1.S1_at	UP	2.130348	serine/threonine kinase 24 (STE20 homolog, yeast)
C16orf80	Bt.2889.1.S1_at	UP	1.7782751	chromosome 16 open reading frame 80
GGT1 /// GGT5	Bt.24605.1.S1_at	UP	5.5097923	gamma-glutamyltransferase 1 /// gamma-glutamyltransferase 5
ILKAP	Bt.9418.1.S1_a_at	UP	1.554695	integrin-linked kinase-associated serine/threonine phosphatase 2C
ELOVL7	Bt.20013.1.S1_at	UP	2.3701584	ELOVL family member 7, elongation of long chain fatty acids (yeast)
PLS3	Bt.15906.1.S1_at	UP	3.4666588	plastin 3 (T isoform)
	Bt.3157.1.S1_at	UP	1.270974	
EIF2C1	Bt.26974.1.S1_at	UP	1.4459965	eukaryotic translation initiation factor 2C, 1
PLA2G10	Bt.22381.1.S1_at	UP	2.8158307	phospholipase A2, group X
MED31	Bt.24579.1.S1_at	UP	1.4583403	mediator complex subunit 31
BTG3	Bt.5650.1.S1_at	UP	2.0701149	BTG family, member 3
FEZ1	Bt.5656.1.S1_at	UP	4.8917055	fasciculation and elongation protein zeta 1 (zygin I)
	Bt.12164.1.S1_at	UP	1.2628968	
CDC6	Bt.24218.1.S1_at	UP	1.5507948	cell division cycle 6 homolog (S. cerevisiae)
	Bt.21096.1.S1_at	UP	2.653574	
	Bt.20773.1.S1_at	UP	2.929365	
	Bt.18724.2.S1_at	UP	1.2891301	
STRBP	Bt.7161.1.S1_at	UP	1.4759712	spermatid perinuclear RNA binding protein
	Bt.21518.1.S1_at	UP	2.3555982	
ARL3	Bt.2870.1.A1_at	UP	3.2326193	ADP-ribosylation factor-like 3
AIDA	Bt.11433.1.A1_at	UP	1.3699152	axin interactor, dorsalization associated
LMBRD1	Bt.14205.1.S1_at	UP	1.2614236	LMBR1 domain containing 1
SLC7A9	Bt.3195.1.S1_at	UP	4.245163	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9
	Bt.24616.1.S1_at	UP	8.346918	
FAM117A	Bt.20247.1.S1_at	UP	1.926091	family with sequence similarity 117, member A
LOC100270756	Bt.14198.1.S1_at	UP	4.931553	hypothetical protein LOC100270756
FBXO15	Bt.13624.1.S1_at	UP	1.7564489	F-box protein 15
FAM92A1	Bt.27149.1.S1_at	UP	1.733953	family with sequence similarity 92, member A1
SEPHS1	Bt.28749.1.S1_at	UP	1.7015184	selenophosphate synthetase 1
CSPP1	Bt.13321.1.S1_at	UP	2.234027	centrosome and spindle pole associated protein 1
TICAM2	Bt.20211.1.S1_at	UP	1.5511303	toll-like receptor adaptor molecule 2
	Bt.11938.1.A1_at	UP	1.5996228	
TEAD2	Bt.3877.1.S1_at	UP	2.3528705	TEA domain family member 2
ITPRIP	Bt.26784.1.S1_at	UP	1.4446929	inositol 1,4,5-triphosphate receptor interacting protein
KIAA1539	Bt.740.1.S1_at	UP	3.169139	BtKIAA1539
	Bt.1169.1.S1_at	UP	1.2880793	
E2F5	Bt.5657.1.A1_at	UP	1.3301134	E2F transcription factor 5, p130-binding
BBS2	Bt.10995.1.S1_at	UP	1.7995901	Bardet-Biedl syndrome 2
LOC505156	Bt.21222.1.S1_at	UP	3.2507691	KIAA0922-like
USP1	Bt.24095.1.A1_at	UP	1.6557896	Ubiquitin specific peptidase 1
RHOT1	Bt.18196.1.S1_at	UP	1.6986685	ras homolog gene family, member T1
LOC518469	Bt.12179.1.S1_at	UP	2.7778137	similar to Putative glycerophosphodiester phosphodiesterase 5
RASGEF1B	Bt.27826.1.S1_at	UP	21.103958	RasGEF domain family, member 1B
DSN1	Bt.15856.1.S1_at	UP	1.3706638	DSN1, MIND kinetochore complex component, homolog (S. cerevisiae)
SUCLA2	Bt.5644.1.S1_at	UP	2.128106	succinate-CoA ligase, ADP-forming, beta subunit
	Bt.3292.1.S1_at	UP	9.732158	
	Bt.3046.1.S1_at	UP	3.0132377	
	Bt.27400.1.S1_at	UP	1.5390621	
LOC540987	Bt.27403.1.S1_at	UP	2.568117	similar to Uncharacterized protein C5orf5 (GAP-like protein N61)
LOC785243	Bt.13216.1.A1_at	UP	1.7747343	similar to Density-regulated protein
KIAA1737	Bt.24248.1.S1_at	UP	3.427241	KIAA1737
LACTB	Bt.9076.1.S1_at	UP	1.5630649	lactamase, beta
	Bt.9096.1.S1_at	UP	2.2659445	
LOC518785	Bt.28428.1.S1_at	UP	1.7666788	similar to ATPase family AAA domain-containing protein 2B
RPA3	Bt.10499.1.S1_at	UP	1.981572	replication protein A3, 14kDa
CDCA4	Bt.8091.1.S1_at	UP	1.6811087	cell division cycle associated 4
HDAC8	Bt.16128.1.S1_at	UP	1.8947142	histone deacetylase 8
ULK4	Bt.25029.1.S1_at	UP	1.9867289	unc-51-like kinase 4 (C. elegans)
RFC3	Bt.16980.1.S1_at	UP	1.4911011	replication factor C (activator 1) 3, 38kDa
LOC535166	Bt.27140.1.S1_at	UP	9.79839	similar to mKIAA1077 protein
MATR3	Bt.24955.1.S1_at	UP	1.5255998	Matrin 3
	Bt.16739.1.A1_at	UP	1.4741995	
	Bt.15854.1.A1_at	UP	1.7374244	
CCAR1	Bt.27024.1.A1_at	UP	1.4277982	cell division cycle and apoptosis regulator 1
	Bt.11409.1.A1_a_at	UP	1.5406016	
MGC137708	Bt.12230.1.A1_at	UP	1.7950549	hypothetical LOC516719
MOBKL2C	Bt.21903.1.S1_at	UP	1.8801571	MOB1, Mps One Binder kinase activator-like 2C (yeast)
	Bt.28095.1.S1_at	UP	2.086619	
RARS	Bt.22038.1.S1_a_at	UP	1.5944576	arginyl-tRNA synthetase
RARS	Bt.22038.1.S1_at	UP	1.9073738	arginyl-tRNA synthetase
	Bt.24759.1.S1_at	UP	2.4255092	
	Bt.13815.1.S1_at	UP	2.736675	
MAP7D3	Bt.3861.1.S1_at	UP	4.669702	MAP7 domain containing 3
JARID2	Bt.7008.1.S1_at	UP	2.412739	Jumonji, AT rich interactive domain 2
	Bt.22596.1.A1_at	UP	1.3761027	
UBE2O	Bt.24878.1.A1_at	UP	2.2088542	ubiquitin-conjugating enzyme E2O
ARMCX3	Bt.19965.1.S1_at	UP	3.524519	armadillo repeat containing, X-linked 3
	Bt.9155.1.A1_at	UP	1.6469969	
PUS7L	Bt.9634.1.S1_at	UP	1.8322438	pseudouridylate synthase 7 homolog (S. cerevisiae)-like
MCTP2	Bt.28177.1.A1_at	UP	2.440989	multiple C2 domains, transmembrane 2
LARP7	Bt.25379.1.A1_at	UP	1.3763947	La ribonucleoprotein domain family, member 7
SYNCRIP	Bt.23038.1.A1_at	UP	1.6958128	Hypothetical LOC100174924
C27H8ORF41	Bt.1024.1.S1_at	UP	1.4290624	Chromosome 8 open reading frame 41 ortholog
DCUN1D5	Bt.9093.1.A1_at	UP	1.718003	DCN1, defective in cullin neddylation 1, domain containing 5 (S.
LOC788729	Bt.26988.1.A1_at	UP	1.5463328	similar to B-cell CLL/lymphoma 9
C12H13ORF3	Bt.26844.1.A1_at	UP	1.3885622	Chromosome 13 open reading frame 3 ortholog
UTP18	Bt.24386.1.A1_at	UP	1.6891094	UTP18, small subunit (SSU) processome component, homolog (yeast)
MCPH1	Bt.2132.1.A1_at	UP	1.4262717	Microcephalin 1
BCNT2	Bt.27010.1.A1_at	UP	3.5982916	bucentaur-2
	Bt.9179.1.A1_at	UP	2.0936759	

	Bt.23992.1.A1_at	UP	4.002693	
STARD3NL	Bt.27269.1.A1_at	UP	4.09802	STARD3 N-terminal like
	Bt.24838.1.A1_at	UP	1.77385	
FOLH1	Bt.24705.1.A1_at	UP	5.9012794	folate hydrolase (prostate-specific membrane antigen) 1
CDV3	Bt.22025.2.A1_a_at	UP	1.5023316	CDV3 homolog (mouse)
	Bt.19218.1.A1_at	UP	1.4174927	
SLC35E3	Bt.22480.1.A1_at	UP	2.338221	solute carrier family 35, member E3
	Bt.18734.1.S1_at	UP	1.5356084	
	Bt.21884.1.S1_at	UP	1.9133871	
LOC100140405	Bt.16639.1.A1_at	UP	2.0697248	similar to N-acetyltransferase 5
BCL2L14	Bt.14657.1.A1_at	UP	2.3981357	Bcl2-like 14 (apoptosis facilitator)
	Bt.7815.1.A1_at	UP	2.4368753	
SOX2	Bt.27419.1.S1_at	UP	6.9587936	SRY (sex determining region Y)-box 2
	Bt.21203.1.S1_at	UP	1.4954735	
	Bt.21760.1.S1_at	UP	4.872787	
ZNF623	Bt.19898.1.A1_at	UP	1.7861369	zinc finger protein 623
	Bt.24216.1.A1_at	UP	7.9332495	
POLR3B	Bt.27875.1.A1_at	UP	1.4358838	polymerase (RNA) III (DNA directed) polypeptide B
	Bt.22069.1.A1_at	UP	1.6368296	
TMEM14A	Bt.11176.1.S1_at	UP	1.5569885	transmembrane protein 14A
BTK	Bt.26060.1.A1_at	UP	4.1210575	Bruton agammaglobulinemia tyrosine kinase
	Bt.10458.1.A1_at	UP	3.2932868	
LOC539846	Bt.27065.1.A1_at	UP	4.0803165	transposon-derived Buster3 transposase-like
AP1S1	Bt.9086.1.S1_at	UP	2.8381186	Adaptor-related protein complex 1, sigma 1 subunit
LOC782259 /// TMEM27	Bt.21824.1.A1_at	UP	1.3679347	similar to transmembrane protein 27 /// transmembrane protein 27
TGS1	Bt.9299.1.A1_at	UP	1.7161199	Trimethylguanosine synthase homolog (S. cerevisiae)
	Bt.26313.1.A1_at	UP	1.9850212	
TAF1A	Bt.24493.1.A1_at	UP	1.9771175	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa
	Bt.12652.1.A1_at	UP	1.8130538	
	Bt.13619.1.A1_at	UP	3.0028865	
GZMK	Bt.24978.1.A1_at	UP	3.2853801	granzyme K (granzyme 3; tryptase II)
LSM5	Bt.24949.1.S1_at	UP	1.4948541	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae)
	Bt.20405.1.S1_at	UP	2.445125	
	Bt.19271.1.A1_at	UP	2.0812628	
ZNF710	Bt.26758.1.A1_at	UP	2.5690312	zinc finger protein 710
LRRC3	Bt.16596.1.A1_at	UP	4.5007787	leucine rich repeat containing 3
TNFAIP6	Bt.958.1.A1_at	UP	6.9527874	tumor necrosis factor, alpha-induced protein 6
LOC509257	Bt.10087.1.A1_at	UP	1.9623266	Similar to Rho GTPase-activating protein RICH2 (Rho-type GTPase-activating protein RICH2) (RhoGAP interacting with CIP4 homologs protein 2) (RICH-2) (NPC-A-10)
	Bt.8612.1.A1_at	UP	2.2570872	
	Bt.19398.1.A1_at	UP	1.4927076	
SCOC	Bt.22625.1.A1_at	UP	3.4258344	short coiled-coil protein
SLC39A10	Bt.22651.1.A1_at	UP	7.985687	Solute carrier family 39 (zinc transporter), member 10
	Bt.18771.1.S1_at	UP	1.9857049	
	Bt.25075.1.A1_at	UP	2.0460768	
	Bt.28725.1.A1_at	UP	1.8297542	
MME	Bt.27339.1.A1_at	UP	2.2335677	membrane metallo-endopeptidase
	Bt.19358.1.A1_at	UP	1.5377918	
ILF2	Bt.18113.1.S1_a_at	UP	1.5664756	interleukin enhancer binding factor 2, 45kDa
	Bt.27388.1.A1_at	UP	1.4837531	
XDH	Bt.23809.1.A1_s_at	UP	1.5134665	xanthine dehydrogenase
MAGOHB	Bt.22385.1.A1_at	UP	1.4637643	mago-nashi homolog B (Drosophila)
IRAK1BP1	Bt.19782.2.S1_a_at	UP	2.8850849	interleukin-1 receptor-associated kinase 1 binding protein 1
WDR70	Bt.9200.1.A1_at	UP	1.6133938	WD repeat domain 70
	Bt.14669.1.A1_at	UP	6.501004	
WDR82P1	Bt.24362.1.A1_at	UP	1.7276531	WD repeat domain 82 pseudogene 1
COL18A1	Bt.24962.1.A1_at	UP	2.7529655	Collagen, type XVIII, alpha 1
	Bt.26647.1.A1_at	UP	4.066577	
CPSF6	Bt.1004.1.A1_at	UP	1.2780932	cleavage and polyadenylation specific factor 6, 68kDa
AMN1	Bt.17295.1.A1_at	UP	1.3884909	antagonist of mitotic exit network 1 homolog (S. cerevisiae)
LOC534839	Bt.19949.1.A1_at	UP	3.1941957	similar to high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha; putative GAP protein alpha
LOC512287	Bt.24983.1.A1_at	UP	2.4035578	similar to dynein, cytoplasmic 2, heavy chain 1
	Bt.17489.1.A1_at	UP	1.8352582	
MRPL34	Bt.20442.1.S1_at	UP	1.3191887	mitochondrial ribosomal protein L34
IL4R	Bt.24531.1.S1_at	UP	10.599581	interleukin 4 receptor
DTNB	Bt.7860.1.S1_s_at	UP	1.8159175	dystrobrevin, beta
SLC25A20	Bt.11770.1.S1_a_at	UP	1.7959152	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20
FARP1 /// LOC782949	Bt.6660.1.S1_at	UP	1.6733798	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived) /// similar to FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived)
RANBP1	Bt.8189.2.A1_at	UP	1.4622566	RAN binding protein 1
	Bt.12144.2.S1_a_at	UP	1.4577103	
	Bt.6069.1.S1_at	UP	17.2101	
H2B	Bt.28757.1.S1_at	UP	2.623209	histone H2B-like
ABHD4	Bt.28090.1.S1_at	UP	2.5942209	abhydrolase domain containing 4
GPR125	Bt.6298.1.S1_at	UP	3.033529	G protein-coupled receptor 125
C3H1orf149	Bt.20251.1.S1_at	UP	1.4300406	chromosome 1 open reading frame 149 ortholog
POLR2D	Bt.4253.3.S1_a_at	UP	1.2490041	polymerase (RNA) II (DNA directed) polypeptide D
GEMIN6	Bt.22425.1.S1_at	UP	1.4512486	Gem (nuclear organelle) associated protein 6
	Bt.3293.1.S1_at	UP	3.5877907	
HDAC2	Bt.20325.1.S1_at	UP	3.853398	Histone deacetylase 2
LOC786362 /// RUVBL2	Bt.24670.1.S1_a_at	UP	1.5251619	similar to RuvB-like 2 (48 kDa TATA box-binding protein-interacting protein) (48 kDa TBP-interacting protein) (TIP49b) (Repressing pontin 52) (Reptin 52) (51 kDa erythrocyte cytosolic protein) /// RuvB-like 2
CHEK1	Bt.10253.1.A1_at	UP	1.6059049	CHK1 checkpoint homolog (S. pombe)
NUP85	Bt.24544.1.S1_at	UP	1.5529451	nucleoporin 85kDa
ZMYND8	Bt.17848.1.S1_at	UP	1.7818611	zinc finger, MYND-type containing 8
KRT7	Bt.8105.1.S1_at	UP	3.231533	keratin 7
	Bt.5197.1.S1_at	UP	1.7227076	
FAM149B1	Bt.24651.2.S1_at	UP	1.3113146	Protein FAM149B1
LOC100138962	Bt.2831.1.S1_at	UP	1.678226	similar to Exosome component 5
ANP32A	Bt.8566.1.S1_at	UP	2.0392969	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
	Bt.24420.2.S1_at	UP	1.5891536	
LOC515193	Bt.11954.1.S1_at	UP	1.2332032	similar to SAFB-like transcription modulator (Modulator of estrogen-induced transcription)
ZNF462	Bt.26259.1.A1_at	UP	4.903597	zinc finger protein 462
LOC513767	Bt.26598.1.S1_at	UP	1.9549258	Phosphatidylcholine transfer protein-like
SLC4A7	Bt.27851.1.S1_at	UP	8.206988	solute carrier family 4, sodium bicarbonate cotransporter, member 7
KPNA3	Bt.1950.1.S1_at	UP	1.5336126	karyopherin alpha 3 (importin alpha 4)
ORC6L	Bt.3068.1.S1_at	UP	1.4462256	origin recognition complex, subunit 6 like (yeast)
WDR33	Bt.8788.1.S1_at	UP	1.4356064	WD-repeat protein 33
ALS2	Bt.27804.1.S1_at	UP	1.8302877	Similar to alsin

UBTF	Bt.28435.1.S1_at	UP	1.920516	upstream binding transcription factor, RNA polymerase I
MED18	Bt.27848.1.S1_at	UP	1.2771685	mediator complex subunit 18
CLIP3	Bt.11067.1.S1_at	UP	14.30326	CAP-GLY domain containing linker protein 3
GLI3	Bt.23282.1.S1_at	UP	2.236115	GLI family zinc finger 3
ZBTB9	Bt.22308.1.A1_at	UP	1.8151205	zinc finger and BTB domain containing 9
DNAJC19	Bt.26495.1.S1_at	UP	1.5531772	DnaJ (Hsp40) homolog, subfamily C, member 19
ZMYM3	Bt.10218.1.S1_s_at	UP	1.536162	zinc finger, MYM-type 3
	Bt.16093.1.S1_at	UP	1.7284044	
APOOL	Bt.20915.1.S1_at	UP	1.7199436	apolipoprotein O-like
AK3L1	Bt.13821.1.S1_at	UP	3.3640254	adenylate kinase 3-like 1
RFWD3	Bt.28038.1.S1_at	UP	1.4140577	Ring finger and WD repeat domain 3
MGC134282	Bt.22107.1.S1_at	UP	1.5454773	hypothetical protein LOC616423
	Bt.4363.1.S1_at	UP	3.9650598	
LOC524694	Bt.25522.1.S1_at	UP	2.2700982	similar to Paladin
BXDC2	Bt.28398.1.S1_at	UP	1.4596546	brix domain containing 2
FOXO4	Bt.24625.1.S1_at	UP	1.812242	forkhead box O4
	Bt.20619.1.S1_at	UP	2.2906418	
RQCD1	Bt.13947.1.S1_at	UP	1.9376163	RCD1 required for cell differentiation1 homolog (S. pombe)
METTL6	Bt.28257.1.S1_at	UP	1.4513671	methyltransferase like 6
EVI2B	Bt.6963.1.A1_at	UP	7.905029	ecotropic viral integration site 2B
SOX15	Bt.15965.1.S1_at	UP	1.4303446	SRY (sex determining region Y)-box 15
KNTC1	Bt.27849.2.S1_a_at	UP	1.2598277	Kinetochore associated 1
PPP2R5E	Bt.23994.1.A1_at	UP	1.6248937	Protein phosphatase 2, regulatory subunit B', epsilon isoform
KCNK1	Bt.8363.1.A1_at	UP	4.369202	potassium channel, subfamily K, member 1
C1H3ORF34	Bt.26522.1.A1_at	UP	1.6934175	chromosome 3 open reading frame 34 ortholog
HSPA14	Bt.19575.1.S1_at	UP	1.6133132	heat shock 70kDa protein 14
	Bt.20481.1.S1_at	UP	1.6192561	
AKIRIN2	Bt.11326.1.S1_at	UP	1.2753099	akirin 2
JAMP	Bt.24609.1.S1_at	UP	1.6746892	JNK1-associated membrane protein
POLD3	Bt.15674.1.S1_at	UP	1.4798598	Polymerase (DNA-directed), delta 3, accessory subunit
	Bt.11292.1.S1_at	UP	1.9249746	
ERAS	Bt.21077.1.S1_at	UP	6.8510075	ES cell expressed Ras
	Bt.16047.1.S1_at	UP	1.4672042	
LZIC	Bt.22005.1.S1_at	UP	1.2656962	leucine zipper and CTNNBIP1 domain containing
MCAT	Bt.27223.1.S1_at	UP	1.4194163	malonyl CoA:ACP acyltransferase (mitochondrial)
MAP1B	Bt.3751.1.S1_at	UP	3.0127716	microtubule-associated protein 1B
PRPF4B	Bt.28197.1.S1_at	UP	1.5189794	PRP4 pre-mRNA processing factor 4 homolog B (yeast)
	Bt.17008.1.S1_at	UP	1.7681348	
TSPAN2	Bt.24341.1.S1_at	UP	6.068096	Tetraspanin 2
	Bt.4827.1.S1_at	UP	1.5195982	
	Bt.26726.1.S1_at	UP	2.4749072	
DIP2B	Bt.21458.1.S1_at	UP	1.4484496	DIP2 disco-interacting protein 2 homolog B (Drosophila)
SFXN1	Bt.633.1.S1_at	UP	1.9288678	sideroflexin 1
CNRIP1	Bt.8617.1.S1_at	UP	6.378766	cannabinoid receptor interacting protein 1
NDC80	Bt.6129.1.S1_at	UP	1.8424318	NDC80 homolog, kinetochore complex component (S. cerevisiae)
DLAT	Bt.8679.1.A1_at	UP	1.5153663	Dihydrolipoamide S-acetyltransferase
	Bt.6921.1.S1_at	UP	1.9069133	
	Bt.20606.1.S1_at	UP	2.173425	
TRA2A	Bt.23525.1.S1_at	UP	1.4972619	Transformer-2 alpha
CSTB	Bt.24354.1.S1_at	UP	3.1537867	cystatin B (stefin B)
TSN	Bt.11452.1.S1_at	UP	1.5550295	translin
CD1E	Bt.24979.1.S1_at	UP	1.4408909	CD1e molecule
WDR3	Bt.25958.1.A1_at	UP	1.8380687	WD repeat domain 3
	Bt.20391.1.A1_at	UP	1.473249	
LOC100138954	Bt.28639.1.S1_at	UP	2.019555	similar to ozf
ATXN7L1	Bt.27534.1.S1_at	UP	2.4569895	ataxin 7-like 1
TMEM126A	Bt.24931.1.A1_at	UP	1.4024402	transmembrane protein 126A
CCAR1	Bt.3197.1.A1_at	UP	1.9238703	cell division cycle and apoptosis regulator 1
NME7	Bt.6993.2.A1_a_at	UP	1.8400718	non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase)
	Bt.4054.1.S1_at	UP	1.6533756	
	Bt.1852.1.S1_at	UP	1.704705	
AHCYL2	Bt.15900.1.A1_at	UP	4.0154505	S-adenosylhomocysteine hydrolase-like 2
MYST2	Bt.9168.1.A1_at	UP	2.195122	MYST histone acetyltransferase 2
LOC534247	Bt.1952.1.S1_a_at	UP	1.8983761	similar to holocarboxylase synthetase
LOC785809	Bt.19717.1.S1_at	UP	2.2770631	similar to CG12393 CG12393-PA
C26H10ORF119	Bt.28147.1.S1_at	UP	1.5461091	Chromosome 10 open reading frame 119 ortholog
HNF1B	Bt.26627.1.S1_at	UP	2.8334005	HNF1 homeobox B
SLC4A11	Bt.27348.1.S1_at	UP	2.4723456	solute carrier family 4, sodium borate transporter, member 11
ACER3	Bt.28698.1.S1_at	UP	1.4430298	alkaline ceramidase 3
NCAPG	Bt.17915.1.S1_at	UP	1.6652232	non-SMC condensin I complex, subunit G
HSPA12B	Bt.27345.1.S1_at	UP	2.024196	heat shock 70kD protein 12B
WWTR1	Bt.24509.1.S1_at	UP	1.5466907	WW domain containing transcription regulator 1
CD59	Bt.19770.1.S1_at	UP	2.6667585	CD59 molecule, complement regulatory protein
	Bt.13627.1.A1_at	UP	1.6763047	
	Bt.23689.1.S1_at	UP	2.0473049	
LOC532412	Bt.27320.1.A1_at	UP	1.4093688	similar to shugoshin-like 2
	Bt.28205.1.A1_at	UP	1.8449272	
	Bt.24314.1.A1_at	UP	3.1383345	
	Bt.5902.1.A1_at	UP	1.225893	
GLMN	Bt.12850.1.S1_at	UP	1.4166137	glomulin, FKBP associated protein
	Bt.8242.1.S1_a_at	UP	1.8120905	
GPC4	Bt.19508.1.A1_at	UP	12.515352	glypican 4
POLG2	Bt.24905.1.A1_at	UP	1.2508096	polymerase (DNA directed), gamma 2, accessory subunit
NOL10	Bt.21455.1.S1_at	UP	1.295147	nucleolar protein 10
	Bt.14110.1.S1_at	UP	14.406539	
ERCC6L	Bt.7620.1.S1_at	UP	1.4831738	excision repair cross-complementing rodent repair deficiency, complementation group 6-like
GSPT2	Bt.8641.1.A1_at	UP	2.4231925	G1 to S phase transition 2
	Bt.22070.1.A1_at	UP	2.9155896	
CCDC18	Bt.8410.1.S1_at	UP	1.9436525	coiled-coil domain containing 18
MPHOSPH10	Bt.27187.1.S1_at	UP	1.5170007	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)
C4H7orf23	Bt.10557.1.S1_at	UP	2.5381377	chromosome 7 open reading frame 23 ortholog
	Bt.28044.1.S1_at	UP	1.3536161	
DCK	Bt.27090.1.S1_at	UP	4.4891815	deoxycytidine kinase
	Bt.19745.1.S1_at	UP	2.1338742	
AGPAT5	Bt.23626.1.S1_at	UP	1.4964182	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)
MRPL32	Bt.24487.1.S1_at	UP	1.5552388	Mitochondrial ribosomal protein L32
ARL2BP	Bt.11667.1.A1_at	UP	1.5009195	ADP-ribosylation factor-like 2 binding protein
PQLC3	Bt.28700.1.S1_at	UP	1.9392165	PQ loop repeat containing 3
LOC511229	Bt.22770.1.S1_at	UP	4.0858426	similar to mCG142710
	Bt.24408.1.S1_at	UP	5.9413557	
RG9MTD1	Bt.28557.1.S1_at	UP	1.5246868	RNA (guanine-9-) methyltransferase domain containing 1

SMARCA4	Bt.27590.1.A1_at	UP	1.5494146	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
	Bt.16921.1.S1_at	UP	1.6780938	
TCF3	Bt.8326.1.A1_at	UP	1.7091067	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)
EXOSC3	Bt.16104.1.S1_at	UP	1.3271515	exosome component 3
OSAP	Bt.25070.1.S1_at	UP	3.5516856	Ovary-specific acidic protein
RBBP5	Bt.20127.1.S1_at	UP	1.7793306	Retinoblastoma binding protein 5
	Bt.28736.1.S1_at	UP	2.1607356	
	Bt.26117.1.A1_at	UP	2.2770557	
FKBP14	Bt.28429.1.S1_at	UP	2.2929401	FK506 binding protein 14, 22 kDa
	Bt.28984.1.S1_at	UP	1.8712634	
JARID2	Bt.24555.1.S1_at	UP	2.6230748	Jumonji, AT rich interactive domain 2
SMARCA4	Bt.5596.1.A1_at	UP	1.4970474	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
NUP54	Bt.28131.1.S1_at	UP	1.7052549	nucleoporin 54kDa
INTS3	Bt.24767.1.S1_at	UP	1.7144346	integrator complex subunit 3
	Bt.22686.1.S1_at	UP	1.6632453	
LOC510487	Bt.16796.1.A1_at	UP	1.7573707	similar to UTP20, small subunit (SSU) processome component, homolog (yeast)
	Bt.13218.1.S1_at	UP	1.4723666	
	Bt.11049.1.S1_at	UP	2.4178896	
	Bt.26505.1.S1_at	UP	3.3529737	
	Bt.2385.1.S1_at	UP	1.7906694	
SNAPC5	Bt.13422.1.A1_at	UP	1.3267177	small nuclear RNA activating complex, polypeptide 5, 19kDa
	Bt.15527.1.A1_at	UP	2.0597548	
	Bt.21185.1.S1_at	UP	4.600645	
CCDC99	Bt.25837.1.S1_at	UP	1.2443401	coiled-coil domain containing 99
EIF4G3	Bt.18267.1.A1_at	UP	3.3355467	eukaryotic translation initiation factor 4 gamma, 3
	Bt.25559.1.S1_at	UP	1.5821838	
GPR1	Bt.27053.1.A1_at	UP	4.999709	G protein-coupled receptor 1
SYCP3	Bt.17096.1.S1_at	UP	1.5716769	synaptonemal complex protein 3
VGLL1	Bt.27824.1.A1_at	UP	2.4152284	Vestigial like 1 (Drosophila)
LOC519314	Bt.22426.1.A1_at	UP	1.345763	similar to zinc finger protein 792
	Bt.9901.1.S1_at	UP	2.5613549	
	Bt.16177.1.S1_at	UP	2.409523	
	Bt.22482.1.S1_at	UP	2.4142601	
	Bt.14014.1.S1_at	UP	6.0028896	
PRKRA	Bt.16567.1.A1_at	UP	2.587233	Protein kinase, interferon-inducible double stranded RNA dependent activator
	Bt.27082.1.S1_at	UP	1.8030664	
	Bt.25192.1.S1_at	UP	2.6261075	
PNMA2	Bt.20518.1.A1_at	UP	3.9520147	paraneoplastic antigen MA2
SET	Bt.3264.1.S1_at	UP	1.8697001	SET nuclear oncogene
REXO2	Bt.1760.1.S1_at	UP	1.4085697	REX2, RNA exonuclease 2 homolog (S. cerevisiae)
SRP68	Bt.4576.1.S1_at	UP	1.1667384	Signal recognition particle 68kDa
TIMM44	Bt.15870.1.S1_at	UP	1.63745	translocase of inner mitochondrial membrane 44 homolog (yeast)
PCDHGA8 /// PCDHGB4 ///	Bt.12382.1.S1_at	UP	1.6470876	protocadherin gamma subfamily A, 8 /// protocadherin gamma subfamily B, 4 /// protocadherin gamma subfamily C, 3
DHRS7	Bt.20151.1.S1_at	UP	1.8317864	dehydrogenase/reductase (SDR family) member 7
NINJ1	Bt.6219.1.S1_at	UP	7.9669137	ninjurin 1
CDC37L1	Bt.9516.1.S1_at	UP	1.3644665	cell division cycle 37 homolog (S. cerevisiae)-like 1
POLR2F	Bt.11138.1.S1_at	UP	1.4191326	polymerase (RNA) II (DNA directed) polypeptide F
	Bt.6322.1.S1_at	UP	1.5438281	
TIMM22	Bt.8735.2.S1_a_at	UP	1.4107399	translocase of inner mitochondrial membrane 22 homolog (yeast)
TIMM22	Bt.8735.1.S1_at	UP	1.9008294	translocase of inner mitochondrial membrane 22 homolog (yeast)
	Bt.20289.1.S1_at	UP	1.8535155	
	Bt.942.1.S1_at	UP	2.29114	
	Bt.6585.1.S1_at	UP	1.288457	
BDH1	Bt.9777.1.S1_at	UP	8.019084	3-hydroxybutyrate dehydrogenase, type 1
DPYSL2	Bt.5224.1.S1_at	UP	5.347151	dihydropyrimidinase-like 2
SAFB	Bt.20046.1.S1_a_at	UP	2.0805202	scaffold attachment factor B
GNL3	Bt.24285.1.S1_at	UP	2.3633237	Guanine nucleotide binding protein-like 3 (nucleolar)
AIDA	Bt.4025.1.S1_at	UP	1.6867299	Axin interactor, dorsalization associated
NELL2	Bt.8804.1.S1_at	UP	9.885162	NEL-like 2 (chicken)
MBNL1	Bt.8258.1.S1_at	UP	2.5857706	muscleblind-like (Drosophila)
NME4	Bt.7541.1.S1_at	UP	2.3240287	non-metastatic cells 4, protein expressed in
TRNAU1AP	Bt.7316.2.S1_a_at	UP	2.0621676	tRNA selenocysteine 1 associated protein 1
IPO4	Bt.26290.2.S1_a_at	UP	8.882332	importin 4
RPIA	Bt.20216.3.S1_a_at	UP	1.809878	ribose 5-phosphate isomerase A
	Bt.5911.1.S1_at	UP	2.0170233	
	Bt.21896.1.S1_at	UP	3.953013	
	Bt.732.1.S1_at	UP	2.4679868	
LOC531049	Bt.26568.1.S1_a_at	UP	1.7594192	Similar to Putative eukaryotic translation initiation factor 3 subunit (eIF-
IFT122	Bt.8829.1.S1_a_at	UP	2.3435464	Intraflagellar transport 122 homolog (Chlamydomonas)
IFT122	Bt.8829.1.S1_at	UP	2.0601268	Intraflagellar transport 122 homolog (Chlamydomonas)
WDR34	Bt.2035.1.S1_at	UP	1.8724517	WD repeat domain 34
WDR45L	Bt.3419.1.S1_at	UP	1.1501058	WDR45-like
PA2G4	Bt.4896.1.S1_at	UP	1.5724164	Proliferation-associated 2G4, 38kDa
GRPEL1	Bt.5333.2.S1_at	UP	1.6651036	GrpE-like 1, mitochondrial (E. coli)
TOMM34	Bt.21926.1.S1_at	UP	1.664746	translocase of outer mitochondrial membrane 34
	Bt.2066.1.S1_at	UP	1.4206693	
LOC521389	Bt.23486.1.A1_at	UP	1.3903042	similar to myosin IXA
MRPL48	Bt.28128.1.S1_at	UP	1.254198	mitochondrial ribosomal protein L48
ACOT7	Bt.15725.2.S1_at	UP	1.6799438	acyl-CoA thioesterase 7
RTN3	Bt.16079.1.S1_at	UP	1.5166543	reticulon 3
GBAS	Bt.20984.1.S1_a_at	UP	1.3143563	glioblastoma amplified sequence
GBAS	Bt.20984.1.S1_at	UP	1.3851542	glioblastoma amplified sequence
PPIL1	Bt.20163.3.S1_a_at	UP	1.6838074	peptidylprolyl isomerase (cyclophilin)-like 1
JMJD2A	Bt.9470.2.S1_a_at	UP	1.6296846	Similar to JmjC domain-containing histone demethylation protein 3A (Jumonji domain-containing protein 2A)
CITED2	Bt.21607.1.S1_at	UP	1.2464198	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
FGD1	Bt.29963.1.S1_at	UP	1.4646704	FYVE, RhoGEF and PH domain containing 1
	Bt.11001.1.S1_at	UP	2.3438647	
PLEKHA2	Bt.22283.1.S1_at	UP	3.772729	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2
LOC527992	Bt.27112.1.S1_at	UP	2.7757666	similar to CG17657 CG17657-PA
RRP12	Bt.776.1.S1_at	UP	1.4559442	ribosomal RNA processing 12 homolog (S. cerevisiae)
CDC42EP4	Bt.20490.1.S1_at	UP	3.2658284	CDC42 effector protein (Rho GTPase binding) 4
ILF3	Bt.976.1.A1_at	UP	2.259759	Interleukin enhancer binding factor 3, 90kDa
CCDC58	Bt.20780.2.S1_a_at	UP	1.5988146	coiled-coil domain containing 58
MRPS10	Bt.21445.1.S1_at	UP	1.5092419	Mitochondrial ribosomal protein S10

STK38	Bt.7505.1.S1_at	UP	2.250794	serine/threonine kinase 38
LFNG	Bt.11476.1.S1_at	UP	4.4148364	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
NRD1	Bt.21674.1.S1_at	UP	1.5586094	nardilysin (N-arginine dibasic convertase)
	Bt.7148.1.S1_at	UP	1.3779464	
MKI67IP	Bt.3678.1.S1_at	UP	1.2716581	MKI67 (FHA domain) interacting nucleolar phosphoprotein
	Bt.28314.1.S1_at	UP	2.3257732	
SPRY2	Bt.28178.1.A1_at	UP	4.144858	sprouty homolog 2 (Drosophila)
TUBA4A	Bt.5183.1.S1_at	UP	2.0722394	tubulin, alpha 4a
PDXP	Bt.21917.1.S1_at	UP	1.8046374	pyridoxal (pyridoxine, vitamin B6) phosphatase
POLA2	Bt.4206.1.S1_at	UP	1.4703361	Polymerase (DNA directed), alpha 2 (70kD subunit)
ENY2	Bt.2223.1.S1_a_at	UP	1.7148309	enhancer of yellow 2 homolog (Drosophila)
ENY2	Bt.2223.1.S1_at	UP	1.7547587	enhancer of yellow 2 homolog (Drosophila)
KLC1	Bt.5626.3.S1_at	UP	1.8791672	kinesin light chain 1
LOC617631	Bt.13760.1.S1_at	UP	1.2113787	Similar to Uncharacterized protein C10orf88
LOC782348	Bt.1132.1.S1_at	UP	1.3924233	similar to Frizzled-3 precursor (Fz-3) (hFz3)
RAMP2	Bt.23502.1.S1_at	UP	2.6216362	receptor (G protein-coupled) activity modifying protein 2
NOL11	Bt.24607.1.S1_at	UP	1.3724544	nucleolar protein 11
LRRN4CL	Bt.12080.1.S1_at	UP	2.3348384	LRRN4 C-terminal like
LOC786823 /// MTA3	Bt.3289.1.S1_at	UP	1.5308326	similar to metastasis associated 1 family, member 3 /// metastasis associated 1 family, member 3
HNRNPA0	Bt.21790.1.S1_at	UP	2.0463898	Heterogeneous nuclear ribonucleoprotein A0
	Bt.20977.1.S1_at	UP	1.5397964	
	Bt.8039.2.S1_a_at	UP	2.1126487	
TTC1	Bt.1925.1.S1_at	UP	1.4289132	tetratricopeptide repeat domain 1
POLE3	Bt.27905.1.S1_at	UP	1.2545816	polymerase (DNA directed), epsilon 3 (p17 subunit)
	Bt.14037.1.S1_at	UP	1.5015993	
	Bt.9423.1.S1_at	UP	8.192779	
ZWINT	Bt.28037.1.S1_at	UP	1.4316009	ZW10 interactor
RTN4IP1	Bt.21301.1.S1_a_at	UP	1.5077739	reticulon 4 interacting protein 1
	Bt.15587.1.S1_at	UP	3.8242393	
SNRNP40	Bt.20560.1.S1_at	UP	1.6407577	small nuclear ribonucleoprotein 40kDa (U5)
SFXN2	Bt.20296.1.S1_at	UP	1.9694322	sideroflexin 2
DGKA	Bt.8070.1.S1_at	UP	3.4924197	diacylglycerol kinase, alpha 80kDa
UBE2N	Bt.11161.1.S1_at	UP	1.3017409	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)
MTERFD1	Bt.12108.1.S1_at	UP	1.8829529	MTERF domain containing 1
CARS2	Bt.21918.2.S1_at	UP	1.4137185	cysteinyl-tRNA synthetase 2, mitochondrial (putative)
	Bt.6152.1.S1_at	UP	2.2060595	
WDR67	Bt.10044.3.A1_a_at	UP	1.3874376	WD repeat domain 67
HCCS	Bt.26718.1.S1_a_at	UP	1.4836123	holocytochrome c synthase
UROS	Bt.12874.1.S1_at	UP	1.7067245	uroporphyrinogen III synthase
TMX1	Bt.1322.1.S1_at	UP	1.6453345	thioredoxin-related transmembrane protein 1
	Bt.24328.1.S1_at	UP	4.3333945	
C8H9orf6	Bt.10247.1.S1_at	UP	1.2292674	chromosome 9 open reading frame 6 ortholog
MKRN1	Bt.13434.1.S1_at	UP	2.6914988	Makorin ring finger protein 1
MGC127733	Bt.9019.1.S1_at	UP	1.8179486	hypothetical protein LOC614296
RMP	Bt.27863.1.S1_at	UP	1.6922417	RNA polymerase II, subunit 5-mediating protein
ZNRD1	Bt.1771.1.S1_at	UP	1.9459176	zinc ribbon domain containing 1
ASF1A	Bt.28099.1.S1_at	UP	1.715397	ASF1 anti-silencing function 1 homolog A (S. cerevisiae)
LOC784051	Bt.22616.1.S1_at	UP	1.7027314	hypothetical protein LOC784051
PRKD3	Bt.6225.1.S1_at	UP	2.7981148	protein kinase D3
LOC785659	Bt.17299.1.A1_at	UP	1.7506647	similar to seven in absentia homolog 2
	Bt.2152.1.S1_at	UP	4.0857434	
MBNL1	Bt.8258.2.S1_at	UP	3.884324	muscleblind-like (Drosophila)
	Bt.16887.1.A1_at	UP	1.4540384	
DEK	Bt.1167.1.S1_at	UP	1.4313977	DEK oncogene
LOC100138230	Bt.2000.1.S1_at	UP	1.4035423	similar to Huntingtin interacting protein K
TOB2	Bt.1563.1.S1_at	UP	1.2393806	transducer of ERBB2, 2
YWHAZ	Bt.2128.1.S1_at	UP	1.3502034	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
UBE2G2	Bt.7786.1.S1_at	UP	1.874851	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)
MME	Bt.27339.2.S1_at	UP	2.5097933	membrane metallo-endopeptidase
HMGB2	Bt.6397.2.S1_at	UP	1.7797186	high-mobility group box 2
TMEM167B	Bt.20426.1.S1_at	UP	1.8288896	Transmembrane protein 167B
CPSF4	Bt.21498.1.S1_at	UP	1.423713	cleavage and polyadenylation specific factor 4, 30kDa
KIAA0020	Bt.24626.1.S1_at	UP	1.3652692	KIAA0020
BPIL2	Bt.10179.1.S1_at	UP	2.9221218	bactericidal/permeability-increasing protein-like 2
LOC615936	Bt.7537.1.S1_at	UP	5.140284	similar to autism susceptibility candidate 2
SMTNL2	Bt.1171.1.S1_at	UP	2.5746865	smoothelin-like 2
CD8B	Bt.12414.1.S1_at	UP	6.3037496	CD8b molecule
AHCYL2	Bt.15900.2.S1_at	UP	3.8619611	S-adenosylhomocysteine hydrolase-like 2
PPM1B	Bt.21201.1.S1_at	UP	1.275684	protein phosphatase 1B (formerly 2C), magnesium-dependent, beta
SSBP1	Bt.21217.1.S1_at	UP	1.5054997	single-stranded DNA binding protein 1
	Bt.942.2.S1_at	UP	1.8886604	
C10H14ORF169	Bt.10900.1.S1_at	UP	2.4230917	chromosome 14 open reading frame 169 ortholog
	Bt.9594.1.S1_at	UP	3.7769902	
	Bt.17455.1.S1_at	UP	4.589566	
FLAD1	Bt.1284.1.S1_at	UP	1.715545	FAD1 flavin adenine dinucleotide synthetase homolog (S. cerevisiae)
MRPL35	Bt.9825.1.S1_at	UP	1.292568	mitochondrial ribosomal protein L35
NUP210L	Bt.23468.1.A1_at	UP	1.2027491	nucleoporin 210kDa-like
GFPT2	Bt.8781.1.S1_at	UP	2.0951605	glutamine-fructose-6-phosphate transaminase 2
LOC535933	Bt.3309.1.A1_at	UP	1.4690398	similar to pantothenate kinase 2
POP4	Bt.21490.2.S1_at	UP	1.3010837	processing of precursor 4, ribonuclease P/MRP subunit (S. cerevisiae)
LOC782348	Bt.1132.2.S1_at	UP	1.8802031	similar to Frizzled-3 precursor (Fz-3) (hFz3)
	Bt.21288.1.A1_at	UP	1.4588536	
	Bt.6520.1.A1_at	UP	1.6971648	
	Bt.944.1.S1_at	UP	2.7575722	
PRKD3	Bt.6225.2.A1_at	UP	3.366326	protein kinase D3
NUP85	Bt.24544.3.S1_at	UP	1.503773	nucleoporin 85kDa
	Bt.13202.1.A1_at	UP	1.6794431	
ENY2	Bt.2223.2.A1_at	UP	1.9123482	Enhancer of yellow 2 homolog (Drosophila)
C2H2orf33	Bt.6899.1.S1_at	UP	1.6275649	Chromosome 2 open reading frame 33 ortholog
ZCCHC9	Bt.12066.1.S1_at	UP	1.2491051	zinc finger, CCHC domain containing 9
	Bt.1313.1.S1_at	UP	2.2271678	
RNF7	Bt.1461.1.S1_at	UP	1.4178393	ring finger protein 7
LOC788823	Bt.1720.1.S1_at	UP	2.9935765	similar to nucleolar protein No55
SMARCA2	Bt.22441.1.S1_at	UP	2.9175403	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
LMNB1	Bt.17939.1.S1_at	UP	1.5475239	Lamin B1
TIMELESS	Bt.22067.1.S1_at	UP	1.3680972	Timeless homolog (Drosophila)
	Bt.8612.2.S1_at	UP	1.5264533	
SEZ6L2	Bt.1593.1.S1_at	UP	6.0832624	Seizure related 6 homolog (mouse)-like 2
JAG1	Bt.6125.1.S1_at	UP	2.102155	jagged 1 (Alagille syndrome)
	Bt.4682.1.S1_at	UP	1.4167286	
TPBG	Bt.24902.1.S1_at	UP	3.1193342	Trophoblast glycoprotein
PWP2	Bt.21538.1.S1_at	UP	1.2719731	PWP2 periodic tryptophan protein homolog (yeast)

MGC139698	Bt.8635.1.S1_at	UP	1.5748426	hypothetical LOC512024
ARID2	Bt.3374.1.A1_a_at	UP	1.8444524	AT rich interactive domain 2 (ARID, RFX-like)
	Bt.20441.1.A1_at	UP	7.0747285	
SYNCRIP	Bt.9438.1.S1_at	UP	1.4274881	synaptotagmin binding, cytoplasmic RNA interacting protein
RNASEH2B	Bt.3744.1.S1_at	UP	1.5025584	ribonuclease H2, subunit B
	Bt.9179.2.S1_at	UP	1.4900104	
	Bt.8866.1.S1_at	UP	1.9497077	
EEF1E1	Bt.7633.1.S1_at	UP	1.332176	eukaryotic translation elongation factor 1 epsilon 1
BAZ1B	Bt.4580.1.A1_at	UP	1.715182	bromodomain adjacent to zinc finger domain, 1B
XPO1	Bt.9586.1.A1_at	UP	1.4748435	exportin 1 (CRM1 homolog, yeast)
CSDE1	Bt.10121.1.A1_at	UP	1.3222314	cold shock domain containing E1, RNA-binding
	Bt.1526.1.S1_at	UP	2.8769946	
	Bt.8894.1.S1_at	UP	2.9937904	
SMARCA5	Bt.960.1.A1_at	UP	1.5875549	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5
POLR2I	Bt.2466.1.S1_at	UP	1.3562683	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa
SOCS1	Bt.1736.1.A1_at	UP	2.5204139	suppressor of cytokine signaling 1
LOC616297	Bt.3527.1.S1_at	UP	1.6326616	similar to MRG-binding protein
NOLC1	Bt.4501.1.S1_at	UP	1.7441583	Nucleolar and coiled-body phosphoprotein 1
SYF2	Bt.28190.1.S1_at	UP	1.500316	SYF2 homolog, RNA splicing factor (S. cerevisiae)
ZMYND8	Bt.17848.2.S1_at	UP	1.5002463	zinc finger, MYND-type containing 8
OSBPL6	Bt.13466.1.S1_at	UP	3.305021	oxysterol binding protein-like 6
	Bt.22297.1.S1_at	UP	1.3567325	
	Bt.13472.1.S1_at	UP	1.4941503	
MCM6	Bt.21433.1.S1_at	UP	1.6692224	Minichromosome maintenance complex component 6
FZD1	Bt.26635.2.S1_at	UP	1.6952701	frizzled homolog 1 (Drosophila)
	Bt.12854.1.S1_at	UP	2.1922593	
PFKFB4	Bt.659.2.S1_at	UP	2.7302387	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4
CACHD1	Bt.26813.1.S1_at	UP	2.000269	cache domain containing 1
MED26	Bt.28755.1.S1_at	UP	1.405226	mediator complex subunit 26
GNPDA2	Bt.20629.2.S1_at	UP	1.557047	glucosamine-6-phosphate deaminase 2
TPST2	Bt.24477.1.S1_a_at	UP	1.747299	tyrosylprotein sulfotransferase 2
LOC616726	Bt.6964.2.A1_at	UP	1.277654	similar to chromosome 9 open reading frame 97
	Bt.17502.1.A1_at	UP	1.927092	
MED4	Bt.20595.2.S1_at	UP	1.4602083	mediator complex subunit 4
SPSB4	Bt.5951.1.S1_at	UP	1.4549106	splA/ryanodine receptor domain and SOCS box containing 4
	Bt.15677.1.A1_at	UP	1.2678831	
	Bt.5751.1.A1_at	UP	1.5194198	
NASP	Bt.18230.1.S1_a_at	UP	2.3611186	Nuclear autoantigenic sperm protein (histone-binding)
ZNF397	Bt.28733.1.S1_at	UP	2.8530204	Zinc finger protein 397
	Bt.21736.1.A1_at	UP	1.6916984	
	Bt.8330.1.S1_at	UP	2.4769151	
	Bt.10692.1.S1_at	UP	1.5045884	
KIF2A	Bt.12861.1.S1_at	UP	1.7657413	Kinesin heavy chain member 2A
TCF7	Bt.21037.1.S1_at	UP	2.744678	transcription factor 7 (T-cell specific, HMG-box)
GINS3	Bt.14379.1.A1_at	UP	1.7408775	GINS complex subunit 3 (Psf3 homolog)
PALB2	Bt.18229.1.A1_at	UP	1.3361511	partner and localizer of BRCA2
SNRPG	Bt.9750.2.S1_a_at	UP	1.6729007	small nuclear ribonucleoprotein polypeptide G
ZNF239	Bt.26640.1.S1_at	UP	1.5077602	similar to zinc finger protein 239
LOC784070	Bt.20582.1.S1_at	UP	2.4537337	similar to Hepatoma-derived growth factor-related protein 3 (HRP-3) (Hepatoma-derived growth factor 2)
TSG118	Bt.1529.1.S1_at	UP	2.0749514	Testis-specific gene 118 protein
RPIA	Bt.20216.2.S1_at	UP	1.5865171	ribose 5-phosphate isomerase A
LOC782307	Bt.14109.1.S1_at	UP	2.5192575	hypothetical LOC782307
	Bt.8322.2.S1_at	UP	2.2461622	
RP11-529I10.4	Bt.24631.1.S1_at	UP	2.3412216	deleted in a mouse model of primary ciliary dyskinesia
	Bt.13218.2.S1_at	UP	1.2857784	
TMPO	Bt.9101.1.S1_at	UP	3.159404	Thymopoietin
UTP3	Bt.27417.2.S1_at	UP	1.3225386	UTP3, small subunit (SSU) processome component, homolog (S.
GFER	Bt.5503.1.S1_at	UP	1.4396515	growth factor, augmenter of liver regeneration
GRSF1	Bt.14193.1.A1_at	UP	1.949023	G-rich RNA sequence binding factor 1
JAM3	Bt.649.1.S1_at	UP	2.8806868	junctional adhesion molecule 3
MGC155012	Bt.27322.1.S1_at	UP	2.2696414	hypothetical LOC533664
SGOL1	Bt.28541.1.S1_at	UP	1.3586898	shugoshin-like 1 (S. pombe)
TMEM206	Bt.21237.1.S1_at	UP	3.1726158	Transmembrane protein 206
	Bt.13344.2.S1_a_at	UP	2.096059	
GFM1	Bt.21913.2.S1_a_at	UP	1.4278246	G elongation factor, mitochondrial 1
LOC508720	Bt.24665.1.S1_at	UP	1.9772898	similar to class II transactivator
GPRC5B	Bt.24517.2.A1_at	UP	7.2907305	G protein-coupled receptor, family C, group 5, member B
SLC6A20	Bt.28747.1.S1_at	UP	1.7363867	Solute carrier family 6 (proline IMINO transporter), member 20
NFIL3	Bt.27854.1.S1_at	UP	1.3981707	nuclear factor, interleukin 3 regulated
TFB2M	Bt.19676.2.S1_a_at	UP	1.5824032	transcription factor B2, mitochondrial
RANBP3L	Bt.23806.1.A1_at	UP	2.6905272	RAN binding protein 3-like
SKIL	Bt.21213.1.S1_at	UP	2.1831567	SKI-like oncogene
	Bt.21716.1.S1_at	UP	1.688323	
MBIP	Bt.4017.1.S1_at	UP	1.5664116	MAP3K12 binding inhibitory protein 1
	Bt.10927.1.S1_at	UP	1.5271395	
ST3GAL2	Bt.4031.1.S1_at	UP	3.2341087	ST3 beta-galactoside alpha-2,3-sialyltransferase 2
LOC783344	Bt.18144.2.S1_at	UP	1.4266703	similar to armadillo repeat containing, X-linked 5
	Bt.28164.2.S1_at	UP	2.5727217	
LOC508603	Bt.10958.1.S1_at	UP	1.6164035	Similar to zinc finger protein 77 (pT1)
FSD1	Bt.24575.2.S1_a_at	UP	3.4958649	fibronectin type III and SPRY domain containing 1
OSBP2	Bt.21951.1.S1_at	UP	1.9545758	oxysterol binding protein 2
TERF1	Bt.23286.1.A1_at	UP	1.6969042	telomeric repeat binding factor (NIMA-interacting) 1
MIZF	Bt.13946.2.A1_at	UP	1.3892995	MBD2-interacting zinc finger
STBD1	Bt.8441.1.A1_at	UP	2.68529	starch binding domain 1
HIST1H2BN	Bt.13920.1.S1_at	UP	4.007472	Histone cluster 1, H2bn
	Bt.14314.1.S1_at	UP	2.0796516	
	Bt.4265.1.S1_at	UP	2.5475576	
STAG3	Bt.21645.1.S1_at	UP	3.0052974	stromal antigen 3
	Bt.24435.1.S1_at	UP	2.6176698	
ZCCHC17	Bt.1338.1.A1_at	UP	1.299493	zinc finger, CCHC domain containing 17
	Bt.3945.1.S1_at	UP	4.240679	
LOC784051	Bt.22616.2.S1_at	UP	2.7580369	Hypothetical protein LOC784051
BEX2	Bt.16678.1.S1_at	UP	4.5637994	brain expressed X-linked 2
RP11-529I10.4	Bt.24631.2.A1_at	UP	2.7494378	deleted in a mouse model of primary ciliary dyskinesia
	Bt.16976.1.S1_at	UP	3.862447	
MRPS9	Bt.24624.3.S1_at	UP	1.8921142	mitochondrial ribosomal protein S9
	Bt.23334.1.A1_at	UP	1.7029772	
	Bt.1296.1.S1_at	UP	1.9787991	
TSG118	Bt.1529.2.A1_at	UP	2.3528507	Testis-specific gene 118 protein
	Bt.20591.1.S1_at	UP	2.6964843	
RTF1	Bt.5443.2.S1_at	UP	2.1822584	Rtf1, Paf1/RNA polymerase II complex component, homolog (S.
	Bt.20404.1.S1_at	UP	12.637794	
WDR75	Bt.28680.1.S1_at	UP	1.5667149	WD repeat domain 75

MPHOSPH6	Bt.9764.1.A1_at	UP	1.6266347	M-phase phosphoprotein 6
F2R	Bt.10814.1.S1_at	UP	2.7884429	coagulation factor II (thrombin) receptor
	Bt.14071.1.S1_at	UP	2.291274	
FBXO5	Bt.986.1.A1_at	UP	1.6169658	F-box protein 5
	Bt.6665.1.S1_at	UP	2.1298943	
PDRG1	Bt.13801.1.S1_at	UP	1.7602884	p53 and DNA damage regulated 1
DDX5	Bt.6361.1.S1_at	UP	3.0230417	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5
TRIB1	Bt.15828.2.S1_at	UP	1.646965	tribbles homolog 1 (Drosophila)
	Bt.19339.1.S1_at	UP	2.3222523	
TNRC6A	Bt.18270.2.S1_at	UP	1.9773551	trinucleotide repeat containing 6A
TOP2A	Bt.16786.1.A1_at	UP	1.4629953	topoisomerase (DNA) II alpha 170kDa
AMIGO2	Bt.12294.2.A1_at	UP	1.7650031	Adhesion molecule with Ig-like domain 2
	Bt.4792.1.S1_at	UP	2.3775127	
GCFC	Bt.25234.1.S1_at	UP	2.3439014	GC-rich sequence DNA-binding factor homolog
	Bt.19339.2.S1_at	UP	1.8790796	
SRI	Bt.23007.1.A1_at	UP	3.9481673	Sorcin
	Bt.841.2.A1_at	UP	2.0189538	
	Bt.9772.1.S1_at	UP	2.9630623	
DNAJC24	Bt.16387.1.S1_at	UP	1.9287753	DnaJ (Hsp40) homolog, subfamily C, member 24
LRRC3	Bt.16596.2.S1_at	UP	2.292369	leucine rich repeat containing 3
C27H8ORF41	Bt.1024.2.S1_at	UP	1.5489622	chromosome 8 open reading frame 41 ortholog
CCPG1	Bt.20977.2.S1_at	UP	1.7992275	Cell cycle progression 1
CBX6	Bt.25966.1.A1_at	UP	3.5398793	chromobox homolog 6
TSG118	Bt.16517.2.S1_at	UP	1.6340557	Testis-specific gene 118 protein
C15H11orf74	Bt.21720.1.S1_at	UP	2.2250636	chromosome 11 open reading frame 74 ortholog
IRF6	Bt.28192.2.S1_at	UP	1.6743892	interferon regulatory factor 6
MGAT5B	Bt.19043.1.S1_at	UP	1.5849658	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase, isozyme B
	Bt.5741.1.S1_at	UP	1.3512536	
FBXO31	Bt.22832.2.A1_at	UP	2.1239724	F-box protein 31
	Bt.2023.1.S1_at	UP	1.7463771	
NNT	Bt.1403.1.S1_at	UP	2.127548	nicotinamide nucleotide transhydrogenase
	Bt.28072.1.S1_at	UP	2.8960316	
UHRF1BP1L	Bt.29411.1.S1_at	UP	1.6887065	UHRF1 binding protein 1-like
LOC514330	Bt.25402.1.S1_at	UP	1.4639636	MMP37-like protein, mitochondrial
STARD3NL	Bt.27269.2.S1_at	UP	4.004636	STARD3 N-terminal like
STBD1	Bt.8441.2.S1_at	UP	2.6953557	starch binding domain 1
YWHAG	Bt.16142.2.S1_at	UP	1.2945375	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
PPIL1	Bt.20163.2.S1_a_at	UP	1.6753099	peptidylprolyl isomerase (cyclophilin)-like 1
TAF9	Bt.1121.2.S1_a_at	UP	1.5485797	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa
	Bt.16910.1.S1_at	UP	1.2992047	
GLT8D1	Bt.15656.1.A1_at	UP	2.2212687	Glycosyltransferase 8 domain containing 1
	Bt.24216.2.S1_at	UP	4.224604	
MTA3	Bt.3289.2.S1_at	UP	1.8075416	metastasis associated 1 family, member 3
	Bt.17168.1.S1_at	UP	2.7899184	
	Bt.7041.3.A1_at	UP	2.266585	
GLS	Bt.9591.2.S1_at	UP	3.28654	Glutaminase
ACTR6	Bt.17809.2.S1_at	UP	1.8099203	ARP6 actin-related protein 6 homolog (yeast)
IL6ST	Bt.13719.1.S1_at	UP	3.1999774	interleukin 6 signal transducer (gp130, oncostatin M receptor)
LOC781688	Bt.1526.2.S1_at	UP	3.0887654	similar to GTP-binding nuclear protein Ran (GTPase Ran) (Ras-like protein TC4) (Androgen receptor-associated protein 24)
	Bt.10870.1.S1_at	UP	1.7678236	
SFPQ	Bt.17194.1.S1_at	UP	3.7861845	Splicing factor proline/glutamine-rich (polypyrimidine tract binding protein associated)
	Bt.18900.1.S1_at	UP	3.4847806	
	Bt.1296.2.S1_at	UP	2.599746	
PLOD2	Bt.25109.1.S1_at	UP	3.4898427	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2
PFKFB4	Bt.659.3.S1_at	UP	5.5101395	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4
ACTN3	Bt.7084.1.S1_at	UP	1.6863176	actinin, alpha 3
TTC9C	Bt.22635.2.S1_at	UP	1.5094547	tetratricopeptide repeat domain 9C
	Bt.24524.2.A1_at	UP	1.7494175	
PUS7	Bt.2503.1.S1_at	UP	2.5881763	pseudouridylate synthase 7 homolog (S. cerevisiae)
	Bt.20646.1.A1_at	UP	1.7020493	
	Bt.812.1.S1_at	UP	1.5680089	
DNAJC24	Bt.16387.2.A1_at	UP	2.260006	DnaJ (Hsp40) homolog, subfamily C, member 24
	Bt.18434.1.A1_at	UP	3.4449835	
HPS4	Bt.17964.2.A1_s_at	UP	1.435539	Hermansky-Pudlak syndrome 4
TFB1M	Bt.9999.2.A1_at	UP	1.6374198	Transcription factor B1, mitochondrial
	Bt.16814.1.A1_at	UP	5.547809	
BCOR	Bt.17758.2.A1_at	UP	4.341985	BCL6 co-repressor
LOC784070	Bt.20582.2.A1_at	UP	2.7390711	similar to Hepatoma-derived growth factor-related protein 3 (HRP-3) (Hepatoma-derived growth factor 2)
GNAS	Bt.20852.1.A1_at	UP	2.1529565	GNAS complex locus
UTP11L	Bt.12110.2.A1_at	UP	1.9062117	UTP11-like, U3 small nucleolar ribonucleoprotein, (yeast)
ZNF567	Bt.16483.2.A1_at	UP	2.7031882	Zinc finger protein 567
	Bt.17308.1.A1_at	UP	1.9601898	
SLC39A10	Bt.18309.1.A1_at	UP	7.89338	solute carrier family 39 (zinc transporter), member 10
	Bt.18578.1.A1_at	UP	2.4898937	
	Bt.20688.1.A1_at	UP	5.3982944	
	Bt.20788.1.A1_at	UP	3.058958	
	Bt.21956.2.A1_at	UP	3.8034508	
GKN2	Bt.29262.1.S1_at	UP	9.202138	gastrokine 2
	Bt.22741.2.A1_at	UP	2.905678	
BUD13	Bt.26848.1.S1_at	UP	1.243879	BUD13 homolog (S. cerevisiae)
	Bt.22600.1.A1_at	UP	2.3367393	
LOC514433	Bt.27611.1.S1_at	UP	5.7287397	similar to zinc finger protein of the cerebellum 2
	Bt.27612.1.A1_at	UP	2.7668319	
PUS7	Bt.28327.1.A1_at	UP	2.071639	pseudouridylate synthase 7 homolog (S. cerevisiae)
	Bt.26218.1.A1_at	UP	6.809168	
	Bt.27566.1.A1_at	UP	1.983707	
PDE1B	Bt.25775.1.A1_at	UP	2.8062303	Phosphodiesterase 1B, calmodulin-dependent
LOC614351	Bt.26952.2.A1_at	UP	1.9569999	similar to DNA replication complex GINS protein PSF2
	Bt.27304.2.S1_a_at	UP	1.3906149	
	Bt.3748.1.A1_at	UP	4.525651	
SERF1B	Bt.26048.1.A1_at	UP	2.1951919	small EDRK-rich factor 1B (centromeric)
ILF3	Bt.17150.1.A1_at	UP	1.8179454	interleukin enhancer binding factor 3, 90kDa
	Bt.16515.2.A1_at	UP	1.4988064	
PRDM1	Bt.21482.3.A1_at	UP	1.8739167	PR domain containing 1, with ZNF domain
ANP32A	Bt.27190.1.S1_s_at	UP	2.035278	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
	Bt.18046.1.S1_at	UP	2.3141966	
	Bt.21550.1.A1_at	UP	5.021831	
ZBED5	Bt.28843.1.A1_at	UP	1.9744666	zinc finger, BED-type containing 5
H2AFV	Bt.28824.1.A1_at	UP	1.7777295	H2A histone family, member V

FANCL	Bt.28545.1.A1_at	UP	1.6320229	Fanconi anemia, complementation group L
	Bt.28609.1.A1_at	UP	1.3968533	
	Bt.29486.1.A1_at	UP	2.8286035	
	Bt.29661.1.A1_at	UP	2.0509188	
	Bt.29098.1.A1_at	UP	2.0164921	
	Bt.29421.1.A1_at	UP	2.55701	
	Bt.21036.2.A1_at	UP	1.9516608	
CHIC2	Bt.24506.2.A1_at	UP	2.2690215	cysteine-rich hydrophobic domain 2
TKTL1	Bt.24549.1.A1_at	UP	15.246166	transketolase-like 1
RGS22	Bt.25633.1.A1_at	UP	2.6325915	regulator of G-protein signaling 22
	Bt.25704.1.A1_at	UP	2.288536	
ZNF462	Bt.25937.1.A1_at	UP	11.082907	zinc finger protein 462
	Bt.26029.1.A1_at	UP	1.6812755	
L2HGDH	Bt.26150.1.A1_at	UP	1.8214768	L-2-hydroxyglutarate dehydrogenase
	Bt.26161.1.A1_at	UP	2.4494276	
LOC786521	Bt.26222.1.A1_at	UP	5.6544127	similar to growth differentiation factor 3
	Bt.26695.2.A1_at	UP	2.2889695	
CD38	Bt.27365.1.A1_at	UP	2.6034184	CD38 molecule
	Bt.27548.1.A1_at	UP	2.0479407	
	Bt.27639.2.A1_at	UP	3.4735677	
CWF19L2	Bt.27677.1.A1_at	UP	1.5978733	CWF19-like 2, cell cycle control (S. pombe)
SH3BGRL	Bt.27696.1.A1_at	UP	3.7447293	SH3 domain binding glutamic acid-rich protein like
LOC782101	Bt.29425.1.A1_at	UP	1.456386	Similar to TRIP15-ISO
	Bt.16224.3.A1_at	UP	1.8967156	
POLE2	Bt.16886.1.A1_a_at	UP	1.7134609	polymerase (DNA directed), epsilon 2 (p59 subunit)
MAK16	Bt.23831.1.A1_at	UP	1.3582214	MAK16 homolog (S. cerevisiae)
	Bt.24165.1.A1_at	UP	1.9141868	
	Bt.28864.1.A1_at	UP	1.332239	
	Bt.23779.1.A1_at	UP	4.061775	
	Bt.24078.1.A1_at	UP	1.3251196	
	Bt.12708.1.A1_at	UP	1.401409	
	Bt.29546.1.A1_s_at	UP	3.0877774	
MGC151839	Bt.28608.1.S1_at	UP	6.221448	Similar to calpain
	Bt.26245.1.A1_at	UP	1.4595658	
	Bt.9758.1.S1_at	UP	1.6427413	
	Bt.29528.1.A1_at	UP	2.0697935	
	Bt.13608.1.A1_at	UP	1.6374807	
H3F3B	Bt.28226.3.A1_s_at	UP	1.7319244	Similar to Histone H3.3B CG8989-PA
TSPAN33	Bt.7808.1.A1_at	UP	1.5810273	tetraspanin 33
RELT	Bt.9248.1.A1_at	UP	1.6923016	RELT tumor necrosis factor receptor
	Bt.23706.1.A1_at	UP	2.201407	
UQCRC1	Bt.29079.1.A1_at	UP	1.282491	UQCRC1 protein
SLC5A11	Bt.3187.1.A1_s_at	UP	2.0079439	solute carrier family 5 (sodium/glucose cotransporter), member 11
	Bt.3832.1.A1_at	UP	1.8955775	
	Bt.25020.1.A1_at	UP	4.1111765	
CSDE1	Bt.22563.1.A1_s_at	UP	1.3366244	cold shock domain containing E1, RNA-binding
SFRS2IP	Bt.26408.1.A1_at	UP	1.8499103	Splicing factor, arginine/serine-rich 2, interacting protein
KIAA1712	Bt.26435.1.A1_at	UP	1.4728793	KIAA1712
	Bt.26778.2.A1_at	UP	1.2482508	
MTERF	Bt.26410.1.A1_at	UP	1.9954097	mitochondrial transcription termination factor
MIA3	Bt.25291.1.A1_at	UP	4.354981	Melanoma inhibitory activity family, member 3
ZNF572	Bt.26401.1.A1_at	UP	1.7250549	Zinc finger protein 572
MATR3	Bt.25149.1.A1_at	UP	1.8477485	Matrin 3
AKAP8	Bt.25210.1.A1_at	UP	1.7615668	A kinase (PRKA) anchor protein 8
TM9SF2	Bt.25030.1.A1_a_at	UP	1.9017242	transmembrane 9 superfamily member 2
PLOD2	Bt.25109.2.A1_at	UP	3.210927	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2
	Bt.25126.1.A1_at	UP	2.2515366	
	Bt.25198.1.A1_at	UP	1.8111132	
	Bt.25135.1.A1_at	UP	1.741704	
	Bt.15323.1.A1_at	UP	1.8844937	
	Bt.16483.3.A1_at	UP	1.9807299	
CCNC	Bt.16826.1.A1_s_at	UP	1.603162	cyclin C
	Bt.16976.2.A1_at	UP	5.89406	
LOC100138313	Bt.17095.2.A1_at	UP	2.6050856	similar to Fucose-1-phosphate guanylyltransferase (GDP-L-fucose pyrophosphorylase) (GDP-L-fucose diphosphorylase)
	Bt.17250.1.A1_at	UP	1.7883645	
	Bt.17526.1.A1_at	UP	1.6405975	
MTMR14	Bt.17682.1.A1_s_at	UP	1.4005073	Myotubularin related protein 14
	Bt.18331.1.A1_at	UP	2.77105	
	Bt.18353.1.A1_at	UP	2.5027626	
ZNF608	Bt.18479.1.A1_at	UP	3.702681	Zinc finger protein 608
	Bt.18626.2.A1_at	UP	1.7130468	
	Bt.18824.1.A1_at	UP	3.5894911	
PCDH10	Bt.18860.1.A1_at	UP	4.1670084	Protocadherin 10
	Bt.18890.1.A1_at	UP	2.0583072	
	Bt.19026.1.A1_at	UP	5.8748646	
	Bt.19323.1.A1_at	UP	4.8234353	
LOC100140616	Bt.19514.1.A1_at	UP	3.522612	hypothetical protein LOC100140616
DHX9	Bt.19818.1.A1_at	UP	2.365736	DEAH (Asp-Glu-Ala-His) box polypeptide 9
ATP6V0D1	Bt.1575.1.S1_at	DOWN	1.4235243	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1
CKMT1	Bt.4461.1.S1_at	DOWN	1.3641902	creatine kinase, mitochondrial 1 (ubiquitous)
AOX1	Bt.783.1.S1_at	DOWN	1.5007422	aldehyde oxidase 1
SERPING1	Bt.22969.1.S1_a_at	DOWN	2.667929	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1
CTGF	Bt.5240.1.S1_at	DOWN	1.7476695	connective tissue growth factor
ASH1L	Bt.5037.1.S2_at	DOWN	1.6835477	ash1 (absent, small, or homeotic)-like (Drosophila)
FAHD2A	Bt.7023.1.S1_at	DOWN	1.4312915	fumarylacetoacetate hydrolase domain containing 2A
PC	Bt.12339.1.S1_at	DOWN	2.1342964	pyruvate carboxylase
FABP5	Bt.22869.1.S2_at	DOWN	1.537706	fatty acid binding protein 5 (psoriasis-associated)
CAPG	Bt.5499.1.S1_at	DOWN	1.7483038	capping protein (actin filament), gelsolin-like
ATP6AP1	Bt.4442.1.S1_at	DOWN	1.7294574	ATPase, H+ transporting, lysosomal accessory protein 1
ANXA8	Bt.5026.1.S1_at	DOWN	1.732067	annexin A8
IL18	Bt.234.1.S1_at	DOWN	1.8633183	interleukin 18 (interferon-gamma-inducing factor)
	Bt.15996.1.S2_at	DOWN	1.9114603	
SARS	Bt.1552.1.S1_at	DOWN	1.7520206	seryl-tRNA synthetase
SCIN	Bt.3980.1.S1_at	DOWN	2.2028902	scinderin
CRYL1	Bt.3220.1.S1_at	DOWN	2.2960043	crystallin, lambda 1
S100A4	Bt.5493.1.S1_at	DOWN	1.8239594	S100 calcium binding protein A4
AP3D1	Bt.5475.1.S1_at	DOWN	1.3442891	adaptor-related protein complex 3, delta 1 subunit
SLC7A5	Bt.5528.1.S1_at	DOWN	1.7937547	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5
F2	Bt.470.1.S1_at	DOWN	2.0733843	coagulation factor II (thrombin)
CTSB	Bt.393.1.S2_at	DOWN	1.496106	cathepsin B
CTSB	Bt.393.1.S1_at	DOWN	1.5843686	cathepsin B
B4GALT1	Bt.5141.1.S1_at	DOWN	1.6733811	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1
ITGB5	Bt.5536.1.S1_at	DOWN	1.4447265	integrin, beta 5

ADRB2	Bt.100.1.S1_at	DOWN	1.7525157	adrenergic, beta-2-, receptor, surface
OSTF1	Bt.2888.1.S1_at	DOWN	1.7080072	osteoclast stimulating factor 1
CYP11A1	Bt.7190.1.S1_at	DOWN	2.2553082	cytochrome P450, family 11, subfamily A, polypeptide 1
CAST	Bt.4738.1.S2_at	DOWN	2.2279649	calpastatin
CAST	Bt.4738.1.S1_at	DOWN	2.3858867	calpastatin
ALOX15	Bt.2598.1.S1_at	DOWN	2.1544638	arachidonate 15-lipoxygenase
BASP1	Bt.4898.1.S1_at	DOWN	1.3929155	brain abundant, membrane attached signal protein 1
PTGS2	Bt.15758.1.S1_at	DOWN	1.5364146	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
CSNK2A2	Bt.1408.1.S1_at	DOWN	1.7543058	casein kinase 2, alpha prime polypeptide
PROCR	Bt.526.1.S1_at	DOWN	2.3016555	protein C receptor, endothelial (EPCR)
PTPN13	Bt.5098.1.S1_at	DOWN	1.566799	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
TUFT1	Bt.4989.1.S1_at	DOWN	2.068031	tuftelin 1
LOXL4	Bt.12297.1.S1_at	DOWN	2.449671	lysyl oxidase-like 4
PSEN1	Bt.4948.1.S1_at	DOWN	1.5841141	presenilin 1
F3	Bt.4106.1.S1_at	DOWN	2.123551	coagulation factor III (thromboplastin, tissue factor)
IL1RN	Bt.4199.1.S1_at	DOWN	2.2808836	interleukin 1 receptor antagonist
CYP19	Bt.4447.1.S1_at	DOWN	12.230435	cytochrome P450, family XIX (conversion of androgen to estrogen), aromatase
MOCOS	Bt.2610.1.S1_at	DOWN	2.91093	molybdenum cofactor sulfurase
GRK5	Bt.4263.1.S1_at	DOWN	2.8905652	G protein-coupled receptor kinase 5
GPLD1	Bt.452.1.S1_at	DOWN	1.702345	glycosylphosphatidylinositol specific phospholipase D1
TM7SF2	Bt.9567.1.S1_at	DOWN	2.9993339	transmembrane 7 superfamily member 2
DPP4	Bt.8282.1.S1_at	DOWN	1.5365647	dipeptidyl-peptidase 4
F11R	Bt.4768.1.S1_at	DOWN	1.7577558	F11 receptor
PECAM1	Bt.4653.1.S2_at	DOWN	1.8664627	platelet/endothelial cell adhesion molecule
BLCAP	Bt.9020.1.S2_at	DOWN	1.3878902	bladder cancer associated protein
RAP1A	Bt.10622.1.S1_at	DOWN	1.7121657	RAP1A, member of RAS oncogene family
ITPR3	Bt.9025.1.S1_at	DOWN	2.2461352	inositol 1,4,5-triphosphate receptor, type 3
SVIL	Bt.4329.1.S1_at	DOWN	1.5108196	supervillin
GCNT1	Bt.521.1.S1_at	DOWN	1.4113948	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)
CRYZ	Bt.151.1.S1_at	DOWN	1.6208184	crystallin, zeta (quinone reductase)
ADAM10	Bt.4781.1.S1_at	DOWN	1.8235558	ADAM metallopeptidase domain 10
AMD1	Bt.370.1.S1_at	DOWN	1.2800868	adenosylmethionine decarboxylase 1
VEGFA	Bt.4138.1.S1_a_at	DOWN	2.9850922	vascular endothelial growth factor A
ATP6V1B1	Bt.4211.1.S1_at	DOWN	1.5573802	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B1
TRIM21	Bt.22980.1.S1_at	DOWN	2.0221689	tripartite motif-containing 21
DNAJC6	Bt.514.1.S1_at	DOWN	2.1880152	DnaJ (Hsp40) homolog, subfamily C, member 6
MGAT4A	Bt.193.1.S1_at	DOWN	2.2259176	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A
ATP6V1A	Bt.4773.3.S1_a_at	DOWN	1.421114	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A
FUT8	Bt.270.1.S1_at	DOWN	1.7963225	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)
CD46	Bt.22840.1.S1_a_at	DOWN	2.1152763	CD46 molecule, complement regulatory protein
LOC280905	Bt.324.1.S1_at	DOWN	3.42463	seminalplasmin
RASA1	Bt.177.1.S1_at	DOWN	1.4497529	RAS p21 protein activator (GTPase activating protein) 1
FUT5	Bt.4074.1.S1_at	DOWN	2.5056374	fucosyltransferase 5 (alpha (1,3) fucosyltransferase)
MANBA	Bt.1798.1.S1_at	DOWN	1.8051853	mannosidase, beta A, lysosomal
ATP8A1	BtAffx.1.2.S1_at	DOWN	2.2506855	ATPase, aminophospholipid transporter (APLT), Class I, type 8A,
ASS1	Bt.1370.1.S1_at	DOWN	2.7577064	argininosuccinate synthetase 1
WARS	Bt.2841.1.S1_at	DOWN	1.5991355	tryptophanyl-tRNA synthetase
CLDN3	Bt.6074.1.S1_at	DOWN	2.257812	claudin 3
TCN2	Bt.3704.2.S1_a_at	DOWN	2.2697554	transcobalamin II; macrocytic anemia
ATP6V1H	Bt.4955.2.S1_a_at	DOWN	1.7201465	ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H
HSPA2	Bt.19759.1.S1_at	DOWN	1.4218237	heat shock 70kDa protein 2
NPC1	Bt.7157.1.S1_at	DOWN	1.9788773	Niemann-Pick disease, type C1
FUT2	Bt.21655.1.S1_at	DOWN	1.611949	fucosyltransferase 2 (secretor status included)
EPAS1	Bt.4353.1.S1_at	DOWN	2.889652	endothelial PAS domain protein 1
PLA2G15	Bt.9564.1.S1_at	DOWN	2.2458746	phospholipase A2, group XV
SLC1A1	Bt.557.1.S1_at	DOWN	2.1451426	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1
COL1A2	Bt.8124.1.S1_at	DOWN	2.568505	collagen, type I, alpha 2
UGT1A1 /// UGT1A6	Bt.15767.1.A2_at	DOWN	1.9397755	UDP glucuronosyltransferase 1 family, polypeptide A1 /// UDP glucuronosyltransferase 1 family, polypeptide A6
ANXA2	Bt.4314.1.S1_at	DOWN	1.637983	annexin A2
SCD	Bt.4798.1.S2_at	DOWN	1.936963	stearoyl-CoA desaturase (delta-9-desaturase)
CD46	Bt.22840.2.S1_at	DOWN	1.6589226	CD46 molecule, complement regulatory protein
LAMP1	Bt.5330.1.S1_at	DOWN	1.8128244	lysosomal-associated membrane protein 1
LAMP1	Bt.24674.1.A1_s_at	DOWN	1.6133627	lysosomal-associated membrane protein 1
DSC2	Bt.4107.1.S1_at	DOWN	1.8841225	desmocollin 2
LOC780964 /// PLA2R1	Bt.488.1.S1_at	DOWN	1.5475295	hypothetical LOC780964 /// phospholipase A2 receptor 1, 180kDa
PLA2R1	Bt.488.1.S2_at	DOWN	2.3048491	phospholipase A2 receptor 1, 180kDa
OPLAH	BtAffx.1.16.S1_s_at	DOWN	1.8551531	5-oxoprolinase (ATP-hydrolysing)
IGHM	Bt.7783.1.S1_a_at	DOWN	1.9466352	immunoglobulin heavy constant mu
AKR1B1	Bt.1330.1.S1_at	DOWN	1.7974826	aldo-keto reductase family 1, member B1 (aldose reductase)
BOLA-N /// JSP.1 /// LOC1	Bt.5324.1.S1_s_at	DOWN	1.4208381	MHC class I antigen /// MHC Class I JSP.1 /// hypothetical protein 100125016
CTSZ	Bt.4902.1.S1_at	DOWN	1.9112265	cathepsin Z
DNASE2	Bt.1240.1.S1_at	DOWN	1.6692098	deoxyribonuclease II, lysosomal
S100A11	Bt.3750.1.S1_at	DOWN	2.2627544	S100 calcium binding protein A11 (calgizzarin)
PPA1	Bt.7870.1.S1_at	DOWN	1.406541	pyrophosphatase (inorganic) 1
ARPC1B	Bt.23192.1.S1_at	DOWN	1.9632238	actin related protein 2/3 complex, subunit 1B, 41kDa
LOC509513 /// TRB@	Bt.1978.1.S1_a_at	DOWN	1.8382875	hypothetical LOC509513 /// T cell receptor, beta cluster
LOC509513 /// TRB@	Bt.1978.1.S1_at	DOWN	2.085332	hypothetical LOC509513 /// T cell receptor, beta cluster
PCK2	Bt.12769.1.S1_at	DOWN	1.9336573	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
LDLR	Bt.3562.1.S1_at	DOWN	2.2676318	low density lipoprotein receptor
ATP6V0E1	Bt.2450.1.S1_at	DOWN	1.1861184	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1
	Bt.11910.1.S1_at	DOWN	1.2592374	
ADIPOR1	Bt.8787.1.S1_at	DOWN	1.6509529	adiponectin receptor 1
GHITM	Bt.7007.1.S1_at	DOWN	1.313504	growth hormone inducible transmembrane protein
TRB@	Bt.1978.2.S1_x_at	DOWN	2.1706164	T cell receptor, beta cluster
MYLK	Bt.5283.1.S1_at	DOWN	2.3306782	myosin light chain kinase
PGRMC1	Bt.12820.1.S1_at	DOWN	1.4562492	progesterone receptor membrane component 1
SLC4A2	Bt.759.1.S1_at	DOWN	1.5372872	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)
PDCL3	Bt.11710.1.S1_at	DOWN	1.2794181	phosducin-like 3
VEGFA	Bt.4138.2.S1_at	DOWN	2.7093592	vascular endothelial growth factor A
MT1E	Bt.23042.1.S1_at	DOWN	5.328462	metallothionein 1E
CASK	Bt.6686.1.S1_at	DOWN	1.4026172	calcium/calmodulin-dependent serine protein kinase (MAGUK family)
P2RX4	Bt.15997.1.S1_at	DOWN	2.3269045	purinergic receptor P2X, ligand-gated ion channel, 4
PRKCZ	Bt.15734.1.S1_at	DOWN	1.4993894	protein kinase C, zeta
HMGCR	Bt.11465.1.S1_at	DOWN	1.802254	3-hydroxy-3-methylglutaryl-coenzyme A reductase
ARRB2	Bt.15976.1.S1_at	DOWN	1.6766241	arrestin, beta 2
ADIPOR2	Bt.805.1.S1_at	DOWN	1.8518487	adiponectin receptor 2

CLIC4	Bt.2563.1.S1_at	DOWN	1.6609851	chloride intracellular channel 4
DNAJA2	Bt.7595.1.S1_at	DOWN	1.3558599	DnaJ (Hsp40) homolog, subfamily A, member 2
DNMT3A	Bt.22981.1.S1_at	DOWN	1.6743593	DNA (cytosine-5-)-methyltransferase 3 alpha
CYP3A4	Bt.82.1.A1_at	DOWN	2.4941065	cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 4
NYREN18	Bt.12732.1.S1_at	DOWN	1.5505296	NEDD8 ultimate buster-1
KLF15	Bt.6404.1.S1_at	DOWN	1.4358275	Kruppel-like factor 15
PGR	Bt.13036.1.S1_at	DOWN	2.690943	progesterone receptor
B4GALT5	Bt.13147.1.S1_at	DOWN	1.7045777	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5
GNG7	Bt.29856.1.S1_at	DOWN	1.9218596	guanine nucleotide binding protein (G protein), gamma 7
	Bt.5519.1.S1_at	DOWN	1.839837	
TMBIM6	Bt.2416.1.S1_at	DOWN	1.5655177	transmembrane BAX inhibitor motif containing 6
CHCHD5	Bt.3035.2.S1_at	DOWN	1.9071004	Coiled-coil-helix-coiled-coil-helix domain containing 5
C3	Bt.4209.2.S1_at	DOWN	1.6701123	complement component 3
TXNDC5	Bt.7078.1.S1_at	DOWN	1.8490438	thioredoxin domain containing 5 (endoplasmic reticulum)
	Bt.23331.1.S1_at	DOWN	1.8284659	
ITM2B	Bt.23522.1.S1_at	DOWN	1.6095352	integral membrane protein 2B
LOC788499 /// MTSS1	Bt.6483.1.A1_at	DOWN	1.7725898	similar to metastasis suppressor 1 /// metastasis suppressor 1
SQSTM1	Bt.4869.1.S1_at	DOWN	1.5288159	sequestosome 1
SDCBP	Bt.4574.1.S1_at	DOWN	1.2743074	syndecan binding protein (syntenin)
NCOA4	Bt.20562.1.S1_at	DOWN	1.3824801	nuclear receptor coactivator 4
NFE2L2	Bt.5305.1.A1_at	DOWN	1.500318	nuclear factor (erythroid-derived 2)-like 2
ACAA1	Bt.2050.1.A1_at	DOWN	1.3854415	acetyl-Coenzyme A acyltransferase 1
EPAS1	Bt.4353.2.S1_at	DOWN	2.2338152	endothelial PAS domain protein 1
AUP1	Bt.4030.1.S1_at	DOWN	1.6254544	ancient ubiquitous protein 1
PTTG1IP	Bt.7826.1.S1_at	DOWN	1.7370315	pituitary tumor-transforming 1 interacting protein
PACSIN2	Bt.20341.1.S1_at	DOWN	1.4154627	protein kinase C and casein kinase substrate in neurons 2
ALDH3A2	Bt.5487.1.S1_at	DOWN	2.1703641	aldehyde dehydrogenase 3 family, member A2
PPP2R5A	Bt.20536.1.S1_at	DOWN	1.5168189	protein phosphatase 2, regulatory subunit B', alpha isoform
TUSC4	Bt.5235.1.S1_at	DOWN	1.4918584	tumor suppressor candidate 4
FLNB	Bt.7646.1.S1_at	DOWN	1.5512424	filamin B, beta (actin binding protein 278)
MPP1	Bt.12870.1.S1_at	DOWN	1.4464433	membrane protein, palmitoylated 1, 55kDa
LOC788353	Bt.20503.1.A1_at	DOWN	1.5377816	Similar to Uncharacterized protein KIAA1522 homolog
ACY1 /// LOC790609	Bt.12885.1.S1_at	DOWN	1.8943051	aminoacylase 1 /// similar to aminoacylase 1
CTSH	Bt.1031.1.S1_at	DOWN	1.9108846	cathepsin H
MXRA8	Bt.4872.1.S1_at	DOWN	2.6493819	matrix-remodelling associated 8
B3GNT3	Bt.1272.1.S1_at	DOWN	2.340266	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3
TMEM97	Bt.4715.1.S1_at	DOWN	1.6063293	transmembrane protein 97
CLDN4	Bt.12177.1.S1_at	DOWN	2.1946795	claudin 4
SC4MOL	Bt.23212.1.S1_at	DOWN	1.5763458	sterol-C4-methyl oxidase-like
IGBP1	Bt.6092.1.S1_at	DOWN	1.4427487	immunoglobulin (CD79A) binding protein 1
UTP14A	Bt.2589.1.S1_at	DOWN	1.3409132	UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast)
MYO1B	Bt.979.1.A1_at	DOWN	1.6108133	myosin IB
ATP6V0B	Bt.4227.1.S1_at	DOWN	1.5201052	ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b
UBXN1	Bt.8001.1.S1_at	DOWN	1.2787671	UBX domain protein 1
ARHGEF7	Bt.4038.1.S1_at	DOWN	1.6273375	Rho guanine nucleotide exchange factor (GEF) 7
PLEKHO2	Bt.4588.1.S1_at	DOWN	2.1666753	pleckstrin homology domain containing, family O member 2
NMRAL1	Bt.20530.1.S1_at	DOWN	1.6712804	NmrA-like family domain containing 1
MAPK13	Bt.800.1.S1_at	DOWN	2.2236166	mitogen-activated protein kinase 13
KIAA0141	Bt.5206.1.S1_at	DOWN	1.4958615	KIAA0141 protein
FBLIM1	Bt.2860.1.S1_at	DOWN	1.4612707	filamin binding LIM protein 1
CDH1	Bt.11241.1.S1_at	DOWN	1.4229087	cadherin 1, type 1, E-cadherin (epithelial)
TCIRG1	Bt.20576.1.S1_at	DOWN	1.7808452	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3
SCARB2	Bt.11224.1.S1_at	DOWN	1.2893628	scavenger receptor class B, member 2
DBNL	Bt.13577.1.S1_at	DOWN	1.3455906	drebrin-like
RHOU	Bt.2846.1.A1_at	DOWN	1.3650976	ras homolog gene family, member U
TGFBR3	Bt.5054.3.S1_at	DOWN	1.883648	Transforming growth factor, beta receptor III
MYOF	Bt.884.1.S1_at	DOWN	1.6683277	myoferlin
	Bt.3177.1.A1_at	DOWN	1.5725987	
SLC11A2	Bt.22172.1.A1_at	DOWN	2.5200725	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
MGST1	Bt.20383.1.S1_at	DOWN	1.740312	microsomal glutathione S-transferase 1
IFI30	Bt.1548.1.S1_at	DOWN	2.0677953	gamma-inducible protein 30
PBXIP1	Bt.7415.1.S1_at	DOWN	1.7598393	pre-B-cell leukemia homeobox interacting protein 1
	Bt.4609.1.S1_at	DOWN	1.6312861	
ROGDI	Bt.7385.1.S1_at	DOWN	1.9346098	rogdi homolog (Drosophila)
ALAD	Bt.9585.1.S1_at	DOWN	1.5719019	aminolevulinate, delta-, dehydratase
	Bt.6987.1.S1_at	DOWN	1.8589411	
LONP2	Bt.3826.1.S1_at	DOWN	1.6553836	lon peptidase 2, peroxisomal
EDEM2	Bt.21300.1.S1_at	DOWN	1.5003527	ER degradation enhancer, mannosidase alpha-like 2
RNF146	Bt.9658.1.S1_at	DOWN	1.6153747	ring finger protein 146
WDYHV1	Bt.9348.1.S1_at	DOWN	1.2285398	WDYHV motif containing 1
LOC614824	Bt.1522.1.A1_at	DOWN	2.1299915	similar to Putative hexokinase HKDC1 (Hexokinase domain-containing protein 1)
	Bt.22016.1.S1_at	DOWN	2.1809528	
OSBPL2	Bt.20496.1.S1_at	DOWN	1.535054	Oxysterol binding protein-like 2
SC5DL	Bt.9126.1.S1_at	DOWN	1.9049526	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. cerevisiae)-like
ZDHHC7	Bt.19471.1.S1_at	DOWN	1.2914537	zinc finger, DHHC-type containing 7
SERPINB1	Bt.7629.1.S1_at	DOWN	1.6951165	Serpin peptidase inhibitor, clade B (ovalbumin), member 1
B4GALT3	Bt.4375.1.S1_at	DOWN	1.9884399	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 3
CCDC51	Bt.10951.1.S1_at	DOWN	1.3378597	coiled-coil domain containing 51
	Bt.2516.2.S1_at	DOWN	1.3364213	
DHRS7B	Bt.3148.1.S1_at	DOWN	1.5625688	dehydrogenase/reductase (SDR family) member 7B
PPIF	Bt.9791.1.S1_at	DOWN	1.7860135	Peptidylprolyl isomerase F (cyclophilin F)
SERINC3	Bt.11060.1.S1_at	DOWN	1.3865783	serine incorporator 3
ATP6V1A	Bt.4773.4.S1_at	DOWN	1.4504117	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A
	Bt.7082.1.S1_at	DOWN	1.2829103	
LOC515570	Bt.7437.1.S1_at	DOWN	1.4219184	NOMO3-like protein
DDIT3	Bt.9852.1.S1_at	DOWN	1.8739371	DNA-damage-inducible transcript 3
DSP	Bt.1818.1.S1_at	DOWN	2.0420656	desmoplakin
APLP2	Bt.23248.1.S1_at	DOWN	1.4231341	amyloid beta (A4) precursor-like protein 2
C3H1orf43	Bt.7654.1.S1_at	DOWN	1.3474921	chromosome 1 open reading frame 43 ortholog
UNC119	Bt.7435.1.S1_at	DOWN	1.3448052	unc-119 homolog (C. elegans)
ABHD14B	Bt.12421.1.S1_at	DOWN	2.0803688	abhydrolase domain containing 14B
SEC16A	Bt.4021.1.S1_at	DOWN	1.4361482	SEC16 homolog A (S. cerevisiae)
AGTRAP	Bt.4462.1.S1_at	DOWN	1.9306118	angiotensin II receptor-associated protein
VASP	Bt.29377.1.S1_at	DOWN	1.6431886	vasodilator-stimulated phosphoprotein
LOC100137838	Bt.13380.1.A1_at	DOWN	1.5851245	Similar to tripartite motif protein TRIM4
STOM	Bt.28617.1.S1_at	DOWN	1.3949792	Stomatin
TRAPPC3	Bt.1599.1.S1_at	DOWN	1.3135989	Trafficking protein particle complex 3
LOC504800	Bt.23487.1.S1_at	DOWN	1.9321313	similar to Apolipoprotein B48 receptor
ELF3	Bt.3406.1.S1_at	DOWN	2.129943	E74-like factor 3 (ets domain transcription factor, epithelial-specific)
PPOX	Bt.4335.1.S1_at	DOWN	1.8934062	protoporphyrinogen oxidase
SLC44A1	Bt.903.1.S1_at	DOWN	1.4266059	solute carrier family 44, member 1

RAP1GAP	Bt.8797.1.S1_at	DOWN	1.874402	RAP1 GTPase activating protein
ASRGL1	Bt.685.1.A1_at	DOWN	1.7249185	Asparaginase like 1
SIRT5	Bt.4862.1.S1_at	DOWN	1.5072143	sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)
GYLTL1B	Bt.20280.1.S1_at	DOWN	3.018266	glycosyltransferase-like 1B
LRRC36	Bt.3149.1.S1_at	DOWN	1.5326191	leucine rich repeat containing 36
LOC508455	Bt.13618.1.A1_at	DOWN	1.7068816	similar to Putative steroid dehydrogenase KIK-I
HEXB	Bt.2183.1.A1_at	DOWN	1.4480436	hexosaminidase B (beta polypeptide)
PSAP	Bt.5467.2.S1_a_at	DOWN	1.3340198	prosaposin
SDCCAG3	Bt.4134.1.A1_at	DOWN	1.6235555	serologically defined colon cancer antigen 3
NEDD4L	Bt.3892.1.S1_at	DOWN	2.2984347	neural precursor cell expressed, developmentally down-regulated 4-like
USP3	Bt.2369.1.S1_at	DOWN	1.8129269	Ubiquitin specific peptidase 3
TAZ	Bt.4921.1.S1_at	DOWN	1.3374876	tafazzin
TACSTD2	Bt.1694.1.S1_at	DOWN	1.7882637	tumor-associated calcium signal transducer 2
	Bt.22747.1.S1_at	DOWN	1.7483103	
LOC513740	Bt.20323.1.S1_at	DOWN	1.544942	hypothetical LOC513740
	Bt.3724.1.S1_at	DOWN	1.8516244	
SWAP70	Bt.15774.1.S1_at	DOWN	1.5907508	SWAP-70 protein
ALDH4A1	Bt.3248.1.S1_at	DOWN	1.497701	aldehyde dehydrogenase 4 family, member A1
	Bt.1267.1.S1_at	DOWN	2.0216372	
RAB31	Bt.22771.1.S1_at	DOWN	1.833208	RAB31, member RAS oncogene family
SOAT1	Bt.13728.1.S1_at	DOWN	1.5772684	sterol O-acyltransferase 1
PON2	Bt.23599.1.S1_at	DOWN	1.886708	paraoxonase 2
FAHD1	Bt.836.1.S1_at	DOWN	1.3785673	fumarylacetoacetate hydrolase domain containing 1
	Bt.8724.1.S1_at	DOWN	1.8702749	
PMEPA1	Bt.668.1.S1_at	DOWN	1.544986	Prostate transmembrane protein, androgen induced 1
CHMP1B	Bt.803.1.A1_at	DOWN	1.3284377	chromatin modifying protein 1B
	Bt.6726.1.S1_at	DOWN	1.7393765	
GRB7	Bt.2949.1.S1_at	DOWN	1.5026792	growth factor receptor-bound protein 7
GRAMD3	Bt.3577.1.S1_at	DOWN	1.2833408	GRAM domain containing 3
IMPA2	Bt.1655.1.A1_at	DOWN	1.7193937	inositol(myo)-1(or 4)-monophosphatase 2
SLCO2B1	Bt.12849.2.S1_at	DOWN	2.2822704	solute carrier organic anion transporter family, member 2B1
SMPD2	Bt.5770.1.A1_at	DOWN	2.1688843	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)
	Bt.9008.1.A1_at	DOWN	1.2998692	
C9orf100	Bt.5506.1.A1_at	DOWN	1.2874484	chromosome 9 open reading frame 100 ortholog
GPR177	Bt.21227.1.A1_at	DOWN	1.7692645	G protein-coupled receptor 177
	Bt.1585.1.A1_at	DOWN	1.3628604	
TP53INP1	Bt.23456.1.A1_s_at	DOWN	1.6667932	tumor protein p53 inducible nuclear protein 1
CCND2	Bt.4895.1.S1_at	DOWN	1.7061663	cyclin D2
TAOK3	Bt.27168.1.A1_a_at	DOWN	1.9406203	TAO kinase 3
TPPP3	Bt.1409.1.S1_at	DOWN	1.8210938	tubulin polymerization-promoting protein family member 3
	Bt.27171.1.A1_at	DOWN	1.9238797	
PEG3	Bt.5027.1.A1_at	DOWN	2.1056378	paternally expressed 3
ACTA2	Bt.12825.1.S1_at	DOWN	2.1708596	actin, alpha 2, smooth muscle, aorta
CMBL	Bt.3203.1.S1_at	DOWN	1.9053397	carboxymethylenebutenolidase homolog (Pseudomonas)
	Bt.12510.1.S1_at	DOWN	2.7716632	
ACTC1	Bt.12491.1.A1_at	DOWN	2.3921528	actin, alpha, cardiac muscle 1
HSPB8	Bt.22526.1.S1_at	DOWN	1.763442	heat shock 22kDa protein 8
CALD1	Bt.23326.2.A1_at	DOWN	1.6642673	Caldesmon 1
GANAB	Bt.4014.1.S1_s_at	DOWN	1.4069833	glucosidase, alpha; neutral AB
	Bt.12510.2.S1_at	DOWN	2.3994305	
SLC39A14	Bt.10001.1.A1_at	DOWN	1.6086915	solute carrier family 39 (zinc transporter), member 14
LRP10	Bt.15938.1.S1_at	DOWN	1.9290458	low density lipoprotein receptor-related protein 10
CCBL1 /// LOC781863 /// L	Bt.4981.1.S1_at	DOWN	1.7792261	cysteine conjugate-beta lyase, cytoplasmic /// similar to cytoplasmic cysteine conjugate-beta lyase /// similar to Cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)
TOR3A	Bt.20284.1.S1_at	DOWN	1.7773438	torsin family 3, member A
	Bt.24321.1.S1_at	DOWN	1.7607965	
FHL2	Bt.4451.1.S1_at	DOWN	2.4045424	four and a half LIM domains 2
CD3EAP	Bt.12721.1.A1_at	DOWN	1.4224943	CD3e molecule, epsilon associated protein
	Bt.1539.1.S1_at	DOWN	1.7529817	
COMT	Bt.8578.1.S1_at	DOWN	2.5395384	catechol-O-methyltransferase
ACLY	Bt.12559.1.S1_at	DOWN	1.5437616	ATP citrate lyase
PTPRF	Bt.5379.1.S1_at	DOWN	2.0195258	protein tyrosine phosphatase, receptor type, F
NUDT16	Bt.20950.1.S1_at	DOWN	1.5125631	nudix (nucleoside diphosphate linked moiety X)-type motif 16
ATXN10	Bt.22019.1.S1_at	DOWN	1.2883472	ataxin 10
PLS1	Bt.28171.1.S1_at	DOWN	1.6195666	plastin 1 (I isoform)
SNX9	Bt.5507.2.S1_at	DOWN	1.4955215	Sorting nexin 9
PLSCR1	Bt.10152.1.A1_at	DOWN	1.9521118	phospholipid scramblase 1
RENBP	Bt.2629.1.S1_at	DOWN	1.733492	renin binding protein
LEPROT	Bt.8345.1.S1_at	DOWN	1.6474873	leptin receptor overlapping transcript
PRKAB1	Bt.20256.1.S1_at	DOWN	1.4728498	protein kinase, AMP-activated, beta 1 non-catalytic subunit
	Bt.9037.1.S1_at	DOWN	1.3246317	
COTL1	Bt.4915.1.S1_at	DOWN	2.0056684	coactosin-like 1 (Dictyostelium)
H2AFJ	Bt.7471.1.S1_at	DOWN	1.40951	H2A histone family, member J
CTSA	Bt.21410.1.S1_at	DOWN	1.8760282	cathepsin A
MYLK	Bt.11424.1.S1_at	DOWN	1.9241062	myosin light chain kinase
EXOC7	Bt.1086.1.S1_at	DOWN	1.9106994	exocyst complex component 7
C16orf5	Bt.9310.1.S1_at	DOWN	1.9003528	chromosome 16 open reading frame 5
FUCA1	Bt.2169.1.S1_at	DOWN	1.4911643	fucosidase, alpha-L- 1, tissue
PDZK1	Bt.5058.1.S1_at	DOWN	2.4698966	PDZ domain containing 1
MCFD2	Bt.5173.1.A1_at	DOWN	1.7461947	multiple coagulation factor deficiency 2
KIF23	Bt.13476.1.S1_at	DOWN	1.297183	Kinesin family member 23
MRFAP1	Bt.1608.1.S1_at	DOWN	1.3498452	Mof4 family associated protein 1
	Bt.23342.1.S1_at	DOWN	1.5125325	
P4HA2	Bt.4381.1.A1_at	DOWN	1.7029055	prolyl 4-hydroxylase, alpha polypeptide II
SLC12A4	Bt.7585.1.S1_at	DOWN	1.5860965	Solute carrier family 12 (potassium/chloride transporters), member 4
NDNL2	Bt.7311.1.S1_at	DOWN	1.4297135	necdin-like 2
LOC100138017	Bt.4458.1.A1_at	DOWN	1.7052565	similar to protein tyrosine phosphatase, receptor type, A
ACAT2	Bt.4585.1.S1_at	DOWN	2.171651	acetyl-Coenzyme A acetyltransferase 2
ERLIN2	Bt.1734.1.S1_at	DOWN	1.5328542	ER lipid raft associated 2
CTSL1	Bt.10200.1.S1_at	DOWN	1.7225413	cathepsin L1
LIMA1	Bt.10730.1.S1_at	DOWN	1.8347348	LIM domain and actin binding 1
VPS4B	Bt.7407.1.S1_at	DOWN	1.1433017	vacuolar protein sorting 4 homolog B (S. cerevisiae)
NEDD9	Bt.14239.1.A1_at	DOWN	2.1362033	neural precursor cell expressed, developmentally down-regulated 9
N4BP2L1	Bt.23854.1.A1_at	DOWN	2.0144572	NEDD4 binding protein 2-like 1
DSG2	Bt.16441.1.A1_at	DOWN	1.5188874	desmoglein 2
	Bt.21061.1.A1_at	DOWN	2.510068	
PKN1	Bt.4993.1.S1_at	DOWN	1.5445753	protein kinase N1
ITGB7	Bt.12633.1.S1_at	DOWN	2.1571743	integrin, beta 7
MRPL50	Bt.21051.1.S1_at	DOWN	1.1860538	mitochondrial ribosomal protein L50
NAGA	Bt.3999.1.S1_at	DOWN	2.0117545	N-acetylgalactosaminidase, alpha-
GAS6	Bt.712.1.S1_at	DOWN	2.7010462	growth arrest-specific 6

BAIAP2	Bt.5610.1.S1_at	DOWN	2.1874208	BAI1-associated protein 2
ALAS1	Bt.15857.1.S1_at	DOWN	1.3177134	aminolevulinate, delta-, synthase 1
CGN	Bt.11656.1.S1_at	DOWN	1.7416074	cingulin
LRRC41	Bt.4370.2.S1_at	DOWN	1.9285765	leucine rich repeat containing 41
H2AFY	Bt.23073.1.S1_at	DOWN	1.4562811	H2A histone family, member Y
RIPK1	Bt.6302.1.S1_at	DOWN	1.4317497	Receptor (TNFRSF)-interacting serine-threonine kinase 1
NYREN18	Bt.12732.2.S1_at	DOWN	1.6236819	NEDD8 ultimate buster-1
TMEM106C	Bt.8848.1.S1_at	DOWN	1.6126217	transmembrane protein 106C
ZDHHC16	Bt.1388.1.S1_at	DOWN	1.7909539	zinc finger, DHHC-type containing 16
SEC14L1	Bt.21705.1.S1_at	DOWN	1.7122527	SEC14-like 1 (S. cerevisiae)
MFSD5	Bt.4187.1.S1_at	DOWN	1.6949191	major facilitator superfamily domain containing 5
PRODH	Bt.20369.1.S1_at	DOWN	1.8750069	proline dehydrogenase (oxidase) 1
LOC524279	Bt.13411.1.S1_at	DOWN	1.5290564	similar to LPS-responsive vesicle trafficking, beach and anchor
SH3YL1	Bt.5323.1.S1_at	DOWN	1.7819003	SH3 domain containing, Ysc84-like 1 (S. cerevisiae)
	Bt.20538.1.S1_at	DOWN	1.8612107	
TMEM86A	Bt.25695.1.S1_at	DOWN	1.7966075	transmembrane protein 86A
SLC15A1	Bt.19972.1.S1_at	DOWN	2.3152277	solute carrier family 15 (oligopeptide transporter), member 1
TUBB6	Bt.5445.3.A1_at	DOWN	1.8685251	tubulin, beta 6
HEXA	Bt.6065.1.S1_at	DOWN	1.7320869	hexosaminidase A (alpha polypeptide)
INSIG1	Bt.24614.1.S1_at	DOWN	1.996262	insulin induced gene 1
DHX32	Bt.1988.1.S1_at	DOWN	1.4814562	DEAH (Asp-Glu-Ala-His) box polypeptide 32
LOC511594	Bt.3194.1.S1_at	DOWN	2.3407528	Similar to cell adhesion molecule JCAM
ADAM19	Bt.13604.1.S1_at	DOWN	2.8723767	ADAM metallopeptidase domain 19 (meltrin beta)
LOC786469	Bt.22435.1.S1_at	DOWN	1.9263881	similar to MGC133535 protein
ZNF34	Bt.27106.1.S1_at	DOWN	1.62558	zinc finger protein 34
NID2	Bt.16087.1.S1_at	DOWN	1.7844205	nidogen 2 (osteonidogen)
	Bt.10311.1.S1_at	DOWN	1.1379907	
MFSD10	Bt.23518.2.S1_at	DOWN	1.5419014	major facilitator superfamily domain containing 10
DHTKD1	Bt.24240.1.S1_at	DOWN	1.6160461	dehydrogenase E1 and transketolase domain containing 1
	Bt.23668.1.A1_at	DOWN	1.5951	
	Bt.20854.1.S1_at	DOWN	1.616324	
LOC511558	Bt.4614.1.S1_at	DOWN	1.8767753	similar to solute carrier family 37 member 1
ATP6AP2	Bt.14987.1.A1_at	DOWN	1.4374856	ATPase, H+ transporting, lysosomal accessory protein 2
SNTB2	Bt.13371.1.S1_at	DOWN	1.5174206	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)
ECOP	Bt.5001.1.A1_at	DOWN	2.2690382	EGFR-coamplified and overexpressed protein
S100A14	Bt.21342.1.S1_at	DOWN	1.6937771	S100 calcium binding protein A14
ABLIM1	Bt.9778.1.S1_at	DOWN	1.6448349	actin binding LIM protein 1
CLN3	Bt.11228.1.S1_a_at	DOWN	2.0162897	ceroid-lipofuscinosis, neuronal 3
INPP5A	Bt.11363.1.S1_at	DOWN	1.6233963	Inositol polyphosphate-5-phosphatase, 40kDa
CNN2	Bt.4635.2.S1_a_at	DOWN	1.9480536	calponin 2
CNN2	Bt.4635.1.S1_at	DOWN	1.8368018	calponin 2
SLC31A2	Bt.12565.1.S1_at	DOWN	1.5901166	solute carrier family 31 (copper transporters), member 2
RAB9A	Bt.3243.1.S1_at	DOWN	1.4433745	RAB9A, member RAS oncogene family
LOC532923	Bt.13408.1.S1_at	DOWN	1.3684008	similar to giantin
LRRN2	Bt.11180.1.A1_a_at	DOWN	1.7085983	leucine rich repeat neuronal 2
GGA2	Bt.1248.1.S1_at	DOWN	1.254482	Golgi associated, gamma adaptin ear containing, ARF binding protein 2
LAMB1	Bt.1742.1.S1_at	DOWN	1.9289068	laminin, beta 1
ABCB1 /// LOC781361 /// L	Bt.15958.2.A1_a_at	DOWN	1.9738796	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
	Bt.8371.1.S1_at	DOWN	1.8244575	
TPD52	Bt.27864.1.S1_at	DOWN	1.6017892	tumor protein D52
DPEP1	Bt.3282.1.S1_at	DOWN	1.7960062	dipeptidase 1 (renal)
SLC15A4	Bt.20185.1.A1_at	DOWN	1.4903674	solute carrier family 15, member 4
AP3M1	Bt.27280.1.A1_at	DOWN	1.2639267	adaptor-related protein complex 3, mu 1 subunit
PKP2	Bt.21547.1.A1_at	DOWN	1.8129083	plakophilin 2
ABR	Bt.17442.1.S1_at	DOWN	1.1477323	active BCR-related gene
	Bt.8887.1.S1_at	DOWN	2.0099769	
TPPP	Bt.20088.1.S1_a_at	DOWN	1.8023628	tubulin polymerization promoting protein
SLC35A5	Bt.10135.1.A1_at	DOWN	1.2904549	solute carrier family 35, member A5
LOC534672	Bt.11748.1.A1_at	DOWN	2.8725066	similar to family with sequence similarity 20, member C
CCDC13	Bt.26384.1.S1_at	DOWN	1.602902	coiled-coil domain containing 13
CPXM2	Bt.17317.1.S1_at	DOWN	1.995057	carboxypeptidase X (M14 family), member 2
100125581 /// LOC618452 //	Bt.16761.1.S1_a_at	DOWN	2.1655068	hypothetical protein LOC100125581 /// hypothetical LOC618452 /// zinc finger protein 75 (D8C6)
ZNF75	Bt.16761.1.S1_at	DOWN	2.1266956	zinc finger protein 75 (D8C6)
LOC532848	Bt.16148.2.A1_a_at	DOWN	1.3521018	similar to hCG2036584
RDH14	Bt.22516.1.A1_at	DOWN	1.1842409	retinol dehydrogenase 14 (all-trans/9-cis/11-cis)
	Bt.16114.1.S1_at	DOWN	2.105476	
	Bt.17059.1.S1_at	DOWN	1.3597109	
ARL4C	Bt.20958.1.A1_at	DOWN	1.847743	ADP-ribosylation factor-like 4C
MTMR11	Bt.16096.1.A1_at	DOWN	1.9142696	myotubularin related protein 11
RNASEK	Bt.4634.2.S1_a_at	DOWN	1.276257	ribonuclease, RNase K
TLN2	Bt.18354.1.A1_at	DOWN	1.8296959	talin 2
PRUNE2	Bt.18615.1.A1_at	DOWN	1.6959013	prune homolog 2 (Drosophila)
SIGIRR	Bt.1676.1.A1_at	DOWN	1.9407421	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain
DDEF2	Bt.3726.1.A1_at	DOWN	1.5963796	Development and differentiation enhancing factor 2
SLAIN2	Bt.18926.1.A1_s_at	DOWN	1.8091388	SLAIN motif family, member 2
	Bt.15441.1.A1_at	DOWN	1.4705114	
PEG3	Bt.11262.1.S1_at	DOWN	1.8660014	paternally expressed 3
PERP	Bt.9633.1.S1_at	DOWN	1.7372183	PERP, TP53 apoptosis effector
JOSD1	Bt.22223.1.S1_at	DOWN	1.3494989	Josephin domain containing 1
BAT5	Bt.20175.1.S1_at	DOWN	1.8099327	HLA-B associated transcript 5
RILPL1	Bt.20355.1.S1_at	DOWN	1.3030933	Rab interacting lysosomal protein-like 1
	Bt.20450.1.S1_at	DOWN	1.6175071	
HCK	Bt.22050.1.S1_at	DOWN	1.8425982	hemopoietic cell kinase
	Bt.13320.1.S1_at	DOWN	1.9841682	
CANT1	Bt.1194.1.S1_at	DOWN	1.7577091	calcium activated nucleotidase 1
ATG16L1	Bt.1431.1.S1_at	DOWN	1.3458865	ATG16 autophagy related 16-like 1 (S. cerevisiae)
MAN1C1	Bt.10587.1.S1_at	DOWN	1.985513	mannosidase, alpha, class 1C, member 1
S100A1	Bt.1178.1.S1_a_at	DOWN	2.8016064	S100 calcium binding protein A1
S100A1	Bt.1178.1.S1_at	DOWN	2.0449698	S100 calcium binding protein A1
VPS26B	Bt.20344.1.S1_at	DOWN	1.1738667	vacuolar protein sorting 26 homolog B (S. pombe)
	Bt.13306.1.S1_at	DOWN	1.9688152	
ANKMY2	Bt.13506.1.A1_at	DOWN	1.2929087	ankyrin repeat and MYND domain containing 2
ARHGAP27	Bt.24469.1.S1_at	DOWN	1.8145308	Rho GTPase activating protein 27
PITPNM1	Bt.18627.1.S1_at	DOWN	2.0663867	phosphatidylinositol transfer protein, membrane-associated 1
	Bt.9117.1.S1_at	DOWN	1.7268519	
LOC617691	Bt.5630.1.S1_at	DOWN	1.7284839	hypothetical protein LOC617691
TMEM60	Bt.19480.1.S1_at	DOWN	1.3793699	transmembrane protein 60
	Bt.23935.1.A1_at	DOWN	1.7283838	
GRHL1	Bt.13545.1.S1_at	DOWN	2.2196789	grainyhead-like 1 (Drosophila)
HERC2	Bt.22003.1.S1_at	DOWN	1.617239	hect domain and RLD 2
TMEM165	Bt.4994.1.S1_at	DOWN	1.7367167	transmembrane protein 165

FILIP1L	Bt.24928.1.S1_at	DOWN	1.445128	Filamin A interacting protein 1-like
	Bt.15866.1.S1_at	DOWN	2.0026028	
	Bt.28310.1.S1_at	DOWN	2.7663193	
CDC42SE2	Bt.7917.1.S1_at	DOWN	1.4848425	CDC42 small effector 2
	Bt.1268.1.A1_at	DOWN	1.6753733	
SEMA4F	Bt.14196.1.A1_at	DOWN	1.5311201	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F
SMPDL3B	Bt.28196.1.S1_at	DOWN	2.422385	sphingomyelin phosphodiesterase, acid-like 3B
	Bt.22103.1.S1_at	DOWN	1.6483798	
CHD1L	Bt.18335.1.A1_at	DOWN	1.3995458	chromodomain helicase DNA binding protein 1-like
KIAA1279	Bt.13338.1.A1_at	DOWN	1.3160702	KIAA1279
	Bt.4959.1.A1_at	DOWN	1.908791	
	Bt.18643.1.A1_at	DOWN	1.792381	
BTAF1	Bt.19726.1.S1_at	DOWN	1.3534337	similar to TATA-binding protein-associated factor 172 (ATP-dependent helicase BTAF1) (TBP-associated factor 172) (TAF-172) (TAF(II)170) (B-TFIID transcription factor-associated 170 kDa subunit)
IL1R1	Bt.9175.1.A1_at	DOWN	2.285548	Interleukin 1 receptor, type I
LOC511424	Bt.22022.1.A1_at	DOWN	1.7186084	hypothetical protein LOC511424
ENDOD1	Bt.14136.1.A1_at	DOWN	1.8089174	endonuclease domain containing 1
EPHB6	Bt.5713.1.A1_at	DOWN	2.3238993	EPH receptor B6
NBR1	Bt.14322.1.A1_at	DOWN	1.4086208	Neighbor of BRCA1 gene 1
CLDN1	Bt.24343.1.A1_at	DOWN	2.389399	claudin 1
SMPD3	Bt.3716.1.A1_at	DOWN	1.9986136	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)
ANKRD29	Bt.20382.1.S1_at	DOWN	1.6562214	ankyrin repeat domain 29
XRCC4	Bt.27097.1.A1_at	DOWN	2.141669	X-ray repair complementing defective repair in Chinese hamster cells 4
SLC24A6	Bt.6537.1.S1_at	DOWN	2.0236602	Solute carrier family 24 (sodium/potassium/calcium exchanger), member
CARM1	Bt.5813.2.S1_at	DOWN	1.758309	coactivator-associated arginine methyltransferase 1
	Bt.6445.1.S1_at	DOWN	1.798906	
	Bt.6036.1.S1_at	DOWN	1.5901371	
	Bt.2706.1.S1_at	DOWN	1.4839889	
SLC40A1	Bt.22759.1.S1_at	DOWN	1.6977307	solute carrier family 40 (iron-regulated transporter), member 1
SMARCA4	Bt.1054.1.S1_at	DOWN	1.8172926	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
MCOLN1	Bt.26509.1.S1_at	DOWN	1.9670893	Mucolipin 1
PQLC2	Bt.1898.1.S1_at	DOWN	1.532087	PQ loop repeat containing 2
PRPSAP2	Bt.21104.1.S1_at	DOWN	1.3016844	phosphoribosyl pyrophosphate synthetase-associated protein 2
	Bt.13913.1.S1_at	DOWN	1.6726788	
RALGDS	Bt.20511.1.S1_at	DOWN	2.624664	ral guanine nucleotide dissociation stimulator
FLOT1	Bt.24582.1.S1_at	DOWN	1.7664667	flotillin 1
FAM3A	Bt.26859.1.S1_at	DOWN	1.5827942	family with sequence similarity 3, member A
NCOA6	Bt.26515.1.S1_at	DOWN	1.6144291	nuclear receptor coactivator 6
ABCC5	Bt.20007.1.S1_a_at	DOWN	1.7381766	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
	Bt.10444.1.S1_at	DOWN	2.012343	
NRBP2	Bt.22053.1.S1_at	DOWN	2.7147202	nuclear receptor binding protein 2
NAGLU	Bt.4204.1.S1_at	DOWN	1.6374424	alpha-N-acetylglucosaminidase
	Bt.1442.1.S1_at	DOWN	1.9844068	
	Bt.8876.1.S1_at	DOWN	1.3996025	
HTRA2	Bt.6116.1.S1_a_at	DOWN	1.4733179	HtrA serine peptidase 2
MLH1	Bt.5658.1.S1_s_at	DOWN	1.939487	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
	Bt.28282.1.S1_at	DOWN	1.4274868	
ATP6V0A4	Bt.22301.1.S1_at	DOWN	1.6243371	ATPase, H+ transporting, lysosomal V0 subunit a4
	Bt.15658.1.S1_at	DOWN	2.300098	
CYR61	Bt.22000.1.A1_at	DOWN	2.2890368	cysteine-rich, angiogenic inducer, 61
	Bt.2820.1.S1_at	DOWN	2.1678843	
	Bt.28202.1.S1_at	DOWN	1.6227001	
TFIP11	Bt.26535.1.S1_at	DOWN	1.3177997	tuftelin interacting protein 11
	Bt.17079.1.S1_a_at	DOWN	1.7217926	
SQLE	Bt.9767.1.S1_a_at	DOWN	1.5212718	squalene epoxidase
FZD4	Bt.1739.1.S1_at	DOWN	1.6288723	Frizzled homolog 4 (Drosophila)
	Bt.26609.1.S1_at	DOWN	1.3843975	
LOC520730	Bt.21563.1.S1_at	DOWN	1.8307873	similar to WW, C2 and coiled-coil domain containing 1
NSMAF	Bt.22284.1.S1_at	DOWN	1.8077847	neutral sphingomyelinase (N-SMase) activation associated factor
	Bt.16109.1.S1_at	DOWN	1.9207268	
MGC152084	Bt.21097.1.S1_at	DOWN	1.413441	Hypothetical LOC522276
MGC152232	Bt.14166.1.A1_at	DOWN	1.7033224	hypothetical LOC534560
LOC507056	Bt.24939.1.S1_at	DOWN	2.243625	similar to raptor
	Bt.2467.1.A1_at	DOWN	2.559923	
	Bt.8275.1.S1_at	DOWN	1.69326	
PRSS23	Bt.20330.1.S1_at	DOWN	2.022622	protease, serine, 23
PIGN	Bt.10261.1.S1_at	DOWN	1.5767182	phosphatidylinositol glycan anchor biosynthesis, class N
	Bt.7636.1.S1_at	DOWN	1.5282599	
FAT1	Bt.28623.1.S1_at	DOWN	1.7921602	FAT tumor suppressor homolog 1 (Drosophila)
RCBTB2	Bt.10600.1.S1_at	DOWN	1.5625945	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2
SSFA2	Bt.22280.1.S1_at	DOWN	2.078605	sperm specific antigen 2
	Bt.969.1.S1_at	DOWN	1.69862	
PLEKHH1	Bt.27032.1.S1_at	DOWN	1.7298633	similar to Pleckstrin homology domain-containing family H member 1
GIN1	Bt.6867.1.A1_at	DOWN	1.6263131	gypsy retrotransposon integrase 1
TPD52L1	Bt.15740.1.A1_at	DOWN	1.9410939	tumor protein D52-like 1
RUSC2	Bt.22507.1.S1_at	DOWN	1.3935931	RUN and SH3 domain containing 2
ACSL6	Bt.11904.1.S1_at	DOWN	2.0121489	acyl-CoA synthetase long-chain family member 6
	Bt.19937.1.S1_at	DOWN	1.8796002	
	Bt.26204.1.A1_at	DOWN	2.0124478	
LOC529947	Bt.25478.1.A1_at	DOWN	1.9331707	similar to signal peptide, CUB domain, EGF-like 2
IRF5	Bt.18476.1.A1_a_at	DOWN	2.6236303	interferon regulatory factor 5
IRF5	Bt.18476.1.A1_at	DOWN	2.0545456	interferon regulatory factor 5
SPHK2	Bt.5158.1.A1_a_at	DOWN	1.7229563	sphingosine kinase 2
FLVCR2	Bt.10342.1.A1_s_at	DOWN	2.0128953	feline leukemia virus subgroup C cellular receptor family, member 2
PPP1R3D	Bt.22576.1.A1_at	DOWN	1.8701221	protein phosphatase 1, regulatory (inhibitor) subunit 3D
LOC781772	Bt.18264.1.A1_at	DOWN	1.9472529	similar to RIKEN cDNA 2200001I15
CLN8	Bt.16727.1.A1_at	DOWN	1.9852129	ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation)
RHBDL2	Bt.17465.1.S1_at	DOWN	2.551338	rhomboid, veinlet-like 2 (Drosophila)
	Bt.19526.1.S1_at	DOWN	1.9583372	
SH3BGRL2	Bt.16036.1.S1_at	DOWN	1.8878804	SH3 domain binding glutamic acid-rich protein like 2
MALT1	Bt.11642.1.A1_at	DOWN	1.817908	Mucosa associated lymphoid tissue lymphoma translocation gene 1
TOM1L1	Bt.28054.1.S1_at	DOWN	1.7091717	target of myb1 (chicken)-like 1
CPEB2	Bt.8979.1.A1_at	DOWN	1.5548011	cytoplasmic polyadenylation element binding protein 2
SHPK	Bt.14637.1.A1_at	DOWN	2.0716887	sedoheptulokinase
	Bt.21930.1.S1_at	DOWN	1.6916273	
LOC504761	Bt.24722.1.A1_at	DOWN	2.3658857	similar to LisH domain and HEAT repeat-containing protein KIAA1468
LOC524939	Bt.21245.1.S1_at	DOWN	2.2558553	similar to epiplakin
TNK1	Bt.16713.1.A1_at	DOWN	1.6757265	Tyrosine kinase, non-receptor, 1
LOC537248	Bt.24421.1.A1_at	DOWN	1.7922716	similar to ACPL2 protein

ATG5	Bt.27505.1.A1_at	DOWN	2.0916038	ATG5 autophagy related 5 homolog (S. cerevisiae)
LHFPL2	Bt.3015.1.A1_at	DOWN	1.533715	lipoma HMGIC fusion partner-like 2
BIRC3	Bt.9391.1.A1_at	DOWN	1.9444584	baculoviral IAP repeat-containing 3
CAMSAP1	Bt.17586.1.A1_at	DOWN	1.4775546	calmodulin regulated spectrin-associated protein 1
SLAIN2	Bt.19061.1.A1_at	DOWN	1.8865753	SLAIN motif family, member 2
FUBP3	Bt.16374.1.A1_at	DOWN	1.4494605	far upstream element (FUSE) binding protein 3
CEPT1	Bt.18340.1.A1_at	DOWN	1.6463695	Choline/ethanolamine phosphotransferase 1
	Bt.11488.1.A1_at	DOWN	2.0133264	
LOC100139092	Bt.18895.1.A1_at	DOWN	2.6913702	similar to Probable G-protein coupled receptor 34
SYNGR1	Bt.21053.2.S1_at	DOWN	1.6476648	synaptogyrin 1
KCTD9	Bt.16256.1.A1_at	DOWN	1.735427	potassium channel tetramerisation domain containing 9
	Bt.22756.1.A1_at	DOWN	1.9851292	
FADS3	Bt.21470.2.S1_a_at	DOWN	2.240817	fatty acid desaturase 3
	Bt.9286.1.S1_at	DOWN	1.9887998	
FSTL3	Bt.5268.1.S1_at	DOWN	2.3835163	follistatin-like 3 (secreted glycoprotein)
GLB1	Bt.6127.1.S1_at	DOWN	1.8376212	galactosidase, beta 1
2-Mar	Bt.12739.1.S1_at	DOWN	1.384659	membrane-associated ring finger (C3HC4) 2
	Bt.13334.1.S1_at	DOWN	1.8259064	
AKR7A2	Bt.11078.1.S1_a_at	DOWN	1.326447	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)
RNF149	Bt.6434.1.S1_at	DOWN	2.2201018	ring finger protein 149
SEC11C	Bt.20472.1.S1_at	DOWN	1.8622217	SEC11 homolog C (S. cerevisiae)
C16H1ORF21	Bt.4584.1.S1_at	DOWN	1.9649787	chromosome 1 open reading frame 21 ortholog
	Bt.13562.1.S1_at	DOWN	2.035384	
LRRFIP2	Bt.13852.3.S1_a_at	DOWN	1.3590876	Leucine rich repeat (in FLII) interacting protein 2
DFFB	Bt.22809.1.S1_at	DOWN	1.4746444	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)
GPR56	Bt.22504.2.S1_at	DOWN	2.152952	G protein-coupled receptor 56
LOC787862	Bt.7431.1.S1_a_at	DOWN	1.5574436	similar to formin homology 2 domain containing 1
ARFGAP3	Bt.7439.1.S1_at	DOWN	1.236839	ADP-ribosylation factor GTPase activating protein 3
SEMA4D	Bt.16024.1.S1_at	DOWN	1.8187866	Sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
LOC100192400	Bt.26280.1.S1_at	DOWN	2.6329317	hypothetical LOC100192400
RALA	Bt.20439.1.S1_at	DOWN	1.8344082	v-ral simian leukemia viral oncogene homolog A (ras related)
	Bt.12606.1.S1_a_at	DOWN	2.7498546	
ITGA3	Bt.2114.1.S1_at	DOWN	2.4117818	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)
LOC505778	Bt.819.1.S1_at	DOWN	1.7684951	similar to hCG1986010
ARF6	Bt.20269.2.S1_at	DOWN	1.2387183	ADP-ribosylation factor 6
OSBPL1A	Bt.1435.1.S1_at	DOWN	1.5413561	oxysterol binding protein-like 1A
NEK7	Bt.24538.1.S1_at	DOWN	1.3966616	NIMA (never in mitosis gene a)-related kinase 7
DHCR7	Bt.5449.1.S1_at	DOWN	1.9047107	7-dehydrocholesterol reductase
	Bt.20100.1.S1_at	DOWN	1.976959	
	Bt.20079.1.S1_at	DOWN	1.3698514	
BCAS3	Bt.22445.1.S1_at	DOWN	1.55579	breast carcinoma amplified sequence 3
CEBPG	Bt.10159.1.S1_at	DOWN	1.716464	CCAAT/enhancer binding protein (C/EBP), gamma
VCL	Bt.27886.1.S1_s_at	DOWN	1.3964511	vinculin
	Bt.18213.1.S1_at	DOWN	2.1866615	
FKBP15	Bt.26755.1.S1_at	DOWN	1.5301157	FK506 binding protein 15, 133kDa
	Bt.28431.1.S1_at	DOWN	1.8036625	
VPS8	Bt.26765.1.S1_at	DOWN	1.3062121	vacuolar protein sorting 8 homolog (S. cerevisiae)
HRBL	Bt.7324.1.S1_at	DOWN	1.8343506	HIV-1 Rev binding protein-like
PPP4R1	Bt.15845.1.S1_at	DOWN	1.2502793	Protein phosphatase 4, regulatory subunit 1
PPM1M	Bt.4541.1.S1_at	DOWN	2.294044	Protein phosphatase 1M (PP2C domain containing)
TMEM92	Bt.28201.1.S1_at	DOWN	1.9298098	transmembrane protein 92
6-Mar	Bt.26589.1.S1_at	DOWN	1.8256797	membrane-associated ring finger (C3HC4) 6
DAB2	Bt.3814.1.S1_at	DOWN	1.9475329	Disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)
GAB1	Bt.27091.1.S1_at	DOWN	2.183069	GRB2-associated binding protein 1
	Bt.9848.1.A1_a_at	DOWN	1.9101412	
	Bt.9848.1.A1_at	DOWN	2.3868961	
ABHD2	Bt.27404.1.S1_at	DOWN	1.8530859	abhydrolase domain containing 2
	Bt.22494.1.S1_at	DOWN	2.4888332	
AS3MT	Bt.21023.1.S1_at	DOWN	1.8362615	arsenic (+3 oxidation state) methyltransferase
	Bt.28309.1.S1_at	DOWN	1.4573021	
TMEM38A	Bt.1310.1.S1_at	DOWN	1.5683855	transmembrane protein 38A
MGC139367	Bt.20165.1.S1_at	DOWN	1.7002975	Hypothetical LOC525690
	Bt.22335.1.S1_a_at	DOWN	1.4163055	
GPRC5C	Bt.21454.1.S1_at	DOWN	1.5497043	G protein-coupled receptor, family C, group 5, member C
NIPSNAP3A	Bt.26872.1.S1_at	DOWN	1.8579378	nipsnap homolog 3A (C. elegans)
RAB15	Bt.12645.1.S1_at	DOWN	1.7989427	RAB15, member RAS onocogene family
	Bt.2518.1.S1_at	DOWN	2.0653129	
GOSR2	Bt.21532.1.S1_at	DOWN	1.5469908	golgi SNAP receptor complex member 2
STK3	Bt.20188.1.A1_at	DOWN	1.4228501	serine/threonine kinase 3 (STE20 homolog, yeast)
LOC535378	Bt.19503.1.A1_at	DOWN	1.8594265	similar to PAR3 beta alternatively spliced form
RRAGC	Bt.15884.1.A1_at	DOWN	1.3602152	Ras-related GTP binding C
FHOD3	Bt.24819.1.S1_at	DOWN	2.9162338	formin homology 2 domain containing 3
PCDH1	Bt.5810.1.S1_at	DOWN	1.6316153	protocadherin 1
BPHL	Bt.1663.1.A1_at	DOWN	1.612218	biphenyl hydrolase-like (serine hydrolase)
UBR1	Bt.26936.1.S1_at	DOWN	1.5559534	ubiquitin protein ligase E3 component n-recognin 1
DKFZP564O0823	Bt.24157.1.A1_at	DOWN	2.0663042	DKFZP564O0823 protein
NUAK2	Bt.20360.1.A1_at	DOWN	1.9004322	NUAK family, SNF1-like kinase, 2
	Bt.12112.1.S1_at	DOWN	1.7199831	
PLLP	Bt.13265.1.A1_at	DOWN	1.7986578	plasma membrane proteolipid (plasmolipin)
ENPEP	Bt.25855.3.A1_a_at	DOWN	1.611941	glutamyl aminopeptidase (aminopeptidase A)
	Bt.3353.1.A1_at	DOWN	1.7061789	
HEXDC	Bt.18973.1.S1_a_at	DOWN	1.671954	hexosaminidase (glycosyl hydrolase family 20, catalytic domain)
ATF3	Bt.18533.1.S1_at	DOWN	1.7375233	activating transcription factor 3
TLK1	Bt.24333.1.S1_at	DOWN	1.822492	tousled-like kinase 1
CCDC90B	Bt.24397.1.S1_at	DOWN	1.2326813	coiled-coil domain containing 90B
ESRP2	Bt.1078.1.A1_at	DOWN	1.8783618	epithelial splicing regulatory protein 2
	Bt.13835.1.S1_at	DOWN	1.5958759	
AGPAT3	Bt.27208.1.S1_at	DOWN	2.1761794	1-acylglycerol-3-phosphate O-acyltransferase 3
LOC787330	Bt.20067.1.S1_at	DOWN	1.6946901	similar to Intersectin-2 (SH3 domain-containing protein 1B) (SH3P18) (SH3P18-like WASP-associated protein)
SH3RF1	Bt.9720.1.S1_at	DOWN	1.7704808	SH3 domain containing ring finger 1
TRIM7	Bt.28150.1.S1_at	DOWN	1.9698739	tripartite motif-containing 7
PTPN3	Bt.24922.1.S1_at	DOWN	2.0102308	Protein tyrosine phosphatase, non-receptor type 3
MOSPD2	Bt.27186.1.S1_at	DOWN	1.7490298	motile sperm domain containing 2
	Bt.28264.1.S1_at	DOWN	1.4416082	
	Bt.15697.1.A1_at	DOWN	1.6136444	
SPSB1	Bt.24841.1.S1_at	DOWN	1.8946465	splA/ryanodine receptor domain and SOCS box containing 1
TFAP2A	Bt.2750.1.S1_at	DOWN	2.4142742	transcription factor AP-2 alpha (activating enhancer binding protein 2
	Bt.18326.1.S1_at	DOWN	1.92271	
GBP4	Bt.28744.1.S1_at	DOWN	1.7673385	guanylate binding protein 4
LOC516658	Bt.3291.1.A1_at	DOWN	1.6321669	similar to C27H2.2a
SLC35C1	Bt.28942.1.S1_at	DOWN	1.6859696	solute carrier family 35, member C1
MICALL2	Bt.28275.1.S1_at	DOWN	2.123273	MICAL-like 2

LOC508040	Bt.21327.1.S1_at	DOWN	1.3855927	similar to Strumpellin
IL20RB	Bt.13773.1.A1_at	DOWN	2.2308	interleukin 20 receptor beta
RNF19A	Bt.28207.1.S1_at	DOWN	1.373219	ring finger protein 19A
CYP4F2	Bt.27036.1.S1_at	DOWN	2.0854974	cytochrome P450, family 4, subfamily F, polypeptide 2
CCDC49	Bt.6571.1.A1_at	DOWN	1.5128655	Coiled-coil domain containing 49
PDE8A	Bt.21054.1.A1_at	DOWN	1.6259363	phosphodiesterase 8A
RNF12	Bt.25074.1.S1_at	DOWN	1.3788432	ring finger protein 12
KLF6	Bt.24522.3.S1_a_at	DOWN	1.766926	Kruppel-like factor 6
SPG20	Bt.27110.1.S1_at	DOWN	2.1491287	Spastic paraplegia 20 (Troyer syndrome)
UBXN8	Bt.28321.1.A1_at	DOWN	1.4025217	UBX domain protein 8
CNNM2	Bt.27324.1.A1_at	DOWN	1.5887089	cyclin M2
	Bt.28265.1.A1_at	DOWN	1.4431503	
LOC505229	Bt.21925.1.A1_at	DOWN	1.6408652	similar to AT rich interactive domain 1B (SWI1-like)
LOC789240	Bt.26803.1.A1_at	DOWN	1.4467118	Similar to testis derived transcript
PPM2C	Bt.11058.1.A1_at	DOWN	1.6517798	Protein phosphatase 2C, magnesium-dependent, catalytic subunit
LPAR2	Bt.27869.1.A1_at	DOWN	1.348442	lysophosphatidic acid receptor 2
	Bt.24587.1.A1_at	DOWN	2.3412836	
LOC784494	Bt.24508.1.A1_at	DOWN	1.4720646	similar to Sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B
GFRA2	Bt.27767.1.A1_at	DOWN	2.7284791	GDNF family receptor alpha 2
RIT1	Bt.24892.1.A1_at	DOWN	1.941622	Ras-like without CAAX 1
LOC508015	Bt.8805.1.S1_at	DOWN	1.9620341	similar to calcineurin binding protein 1
ANLN	Bt.4995.1.A1_at	DOWN	1.6038461	Anillin, actin binding protein
	Bt.7021.1.S1_at	DOWN	1.395354	
CPEB2	Bt.14204.1.A1_at	DOWN	1.6825678	cytoplasmic polyadenylation element binding protein 2
LOC100139988	Bt.25087.1.A1_at	DOWN	1.681649	similar to ras-like protein TC10
LOC522998	Bt.24039.1.A1_at	DOWN	1.6728171	similar to coiled-coil domain containing 6
GTF2IRD1	Bt.27359.1.S1_at	DOWN	1.6291062	GTF2I repeat domain containing 1
PSME4	Bt.22718.1.A1_at	DOWN	1.2913018	proteasome (prosome, macropain) activator subunit 4
SLC2A5	Bt.19805.1.A1_at	DOWN	1.4394222	solute carrier family 2 (facilitated glucose/fructose transporter), member
	Bt.20937.1.A1_at	DOWN	2.0515924	
CCL25	Bt.22124.1.A1_at	DOWN	1.786606	Chemokine (C-C motif) ligand 25
	Bt.28908.1.A1_at	DOWN	1.6366295	
MBTPS2	Bt.25636.1.A1_at	DOWN	1.4867221	membrane-bound transcription factor peptidase, site 2
AADACL1	Bt.27963.1.A1_at	DOWN	1.8395561	arylacetamide deacetylase-like 1
LOC506996	Bt.24733.1.A1_at	DOWN	1.8605499	similar to ubiquitin specific protease 43
PLXNA3	Bt.27484.1.A1_at	DOWN	1.5948479	Plexin A3
PSPH	Bt.25099.1.A1_at	DOWN	1.606718	phosphoserine phosphatase
SNX10	Bt.27822.1.A1_at	DOWN	1.9630764	sorting nexin 10
ARHGAP18	Bt.14056.1.A1_at	DOWN	2.0885024	Rho GTPase activating protein 18
PTPN5	Bt.19636.1.A1_at	DOWN	2.3079498	Protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched)
LOC541094	Bt.28586.1.S1_at	DOWN	1.6467595	similar to Endoplasmic reticulum metallopeptidase 1 (Felix-ina)
MTHFD2	Bt.20862.1.A1_at	DOWN	2.2525537	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase
	Bt.24823.1.A1_at	DOWN	2.3785522	
ATP6V0D2	Bt.11010.1.S1_at	DOWN	1.6032034	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d2
TLCD1	Bt.13668.1.A1_at	DOWN	2.1555789	TLC domain containing 1
VWA1	Bt.6057.1.S1_at	DOWN	2.4414413	von Willebrand factor A domain containing 1
	Bt.10861.1.S1_at	DOWN	1.5815549	
PEX12	Bt.7155.1.S1_at	DOWN	1.6668656	peroxisomal biogenesis factor 12
WIPF1	Bt.24656.1.A1_at	DOWN	2.2416804	WAS/WASL interacting protein family, member 1
TMEM181	Bt.26407.1.A1_at	DOWN	1.7685606	transmembrane protein 181
TJP2	Bt.20601.1.A1_at	DOWN	1.4663404	tight junction protein 2 (zona occludens 2)
	Bt.16063.1.A1_at	DOWN	2.296965	
	Bt.24860.1.A1_at	DOWN	2.3122485	
OSBPL11	Bt.27563.1.A1_at	DOWN	1.5890357	Oxysterol binding protein-like 11
STYX	Bt.24932.1.A1_at	DOWN	1.5839794	serine/threonine/tyrosine interacting protein
DTWD2	Bt.18575.1.A1_at	DOWN	1.6186202	DTW domain containing 2
	Bt.25202.1.A1_at	DOWN	1.4885495	
CSNK2A2	Bt.22935.1.A1_at	DOWN	1.3781521	Casein kinase 2, alpha prime polypeptide
TC2N	Bt.25489.1.A1_at	DOWN	1.8425447	tandem C2 domains, nuclear
ACOT4	Bt.24450.1.A1_at	DOWN	2.0195024	Acyl-CoA thioesterase 4
OTUD3	Bt.25460.1.A1_at	DOWN	1.3728273	OTU domain containing 3
BPHL	Bt.27434.1.A1_at	DOWN	1.7458586	Biphenyl hydrolase-like (serine hydrolase)
PIP4K2A	Bt.24074.1.A1_at	DOWN	1.4884311	Phosphatidylinositol-5-phosphate 4-kinase, type II, alpha
PEX7	Bt.28676.1.A1_at	DOWN	1.3207526	peroxisomal biogenesis factor 7
FLNB	Bt.18625.1.A1_at	DOWN	1.7938772	Filamin B, beta (actin binding protein 278)
	Bt.19509.1.A1_at	DOWN	1.7915814	
	Bt.24204.1.A1_at	DOWN	1.29937	
	Bt.14993.1.S1_a_at	DOWN	1.9076905	
NGEF	Bt.23388.1.A1_at	DOWN	2.196397	neuronal guanine nucleotide exchange factor
MPZL1	Bt.21473.1.A1_at	DOWN	1.3134692	myelin protein zero-like 1
	Bt.16459.1.A1_at	DOWN	2.1129262	
CCDC45	Bt.18063.1.A1_at	DOWN	1.6664453	Coiled-coil domain containing 45
TP53I13	Bt.11370.1.A1_at	DOWN	2.2958434	tumor protein p53 inducible protein 13
QPRT	Bt.27138.1.S1_at	DOWN	2.6137748	Quinolinate phosphoribosyltransferase
RALB	Bt.11220.1.S1_at	DOWN	1.4419945	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)
PARVA	Bt.10908.1.S1_at	DOWN	1.3023927	Parvin, alpha
METRNL	Bt.24275.1.S1_at	DOWN	2.3886678	meteorin, glial cell differentiation regulator-like
RBM47	Bt.22438.1.S1_at	DOWN	1.5310439	RNA binding motif protein 47
PAQR6	Bt.2373.1.S1_at	DOWN	1.9714917	progestin and adipoQ receptor family member VI
SLC35B2	Bt.20169.1.S1_at	DOWN	1.5486494	solute carrier family 35, member B2
	Bt.7944.1.S1_at	DOWN	1.8645247	
SH2D3A	Bt.4626.1.S1_a_at	DOWN	1.2858765	SH2 domain containing 3A
ENOSF1	Bt.3276.1.A1_at	DOWN	2.1545782	enolase superfamily member 1
RNF11	Bt.6666.1.S1_at	DOWN	1.7555956	RING finger protein 11
UNC45A	Bt.5139.1.S1_at	DOWN	1.5128645	unc-45 homolog A (C. elegans)
LOC615412	Bt.11916.1.S1_at	DOWN	1.5202672	similar to BAI1-associated protein 2-like 1
TMEM80	Bt.15894.1.S1_a_at	DOWN	1.8196902	transmembrane protein 80
MIB2	Bt.1722.3.S1_a_at	DOWN	2.0350795	mindbomb homolog 2 (Drosophila)
HEBP2	Bt.13247.1.S1_at	DOWN	1.950255	heme binding protein 2
ABHD6	Bt.2858.1.S1_at	DOWN	1.4302952	abhydrolase domain containing 6
TMEM120B	Bt.21614.1.A1_at	DOWN	1.6177056	transmembrane protein 120B
MGC165985	Bt.5542.2.S1_at	DOWN	1.4031477	hypothetical protein LOC790872
TNNC2	Bt.9992.1.S1_at	DOWN	2.2920334	troponin C type 2 (fast)
	Bt.21163.1.S1_at	DOWN	2.2605023	
WWC2	Bt.15723.1.S1_at	DOWN	1.5576526	WW and C2 domain containing 2
	Bt.26967.1.S1_at	DOWN	1.3972431	
PSD4	Bt.6048.1.S1_at	DOWN	1.8041631	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)
UBE2D4	Bt.26702.1.S1_a_at	DOWN	1.7796551	ubiquitin-conjugating enzyme E2D 4 (putative)

MYO1D	Bt.22679.1.S1_at	DOWN	1.6505703	myosin ID
ARHGEF16	Bt.27352.1.S1_at	DOWN	2.0822904	Rho guanine exchange factor (GEF) 16
	Bt.20210.1.S1_at	DOWN	1.6794753	
TM2D2	Bt.15699.1.S1_at	DOWN	1.5089327	TM2 domain containing 2
DENND2D	Bt.26797.1.S1_at	DOWN	1.7193547	DENN/MADD domain containing 2D
	Bt.28191.1.S1_at	DOWN	1.2925962	
ALS2CL	Bt.24359.1.S1_at	DOWN	2.308696	ALS2 C-terminal like
AGTPBP1	Bt.23648.1.A1_at	DOWN	1.4627286	ATP/GTP binding protein 1
ENPP1	Bt.13899.1.A1_at	DOWN	2.2187266	ectonucleotide pyrophosphatase/phosphodiesterase 1
	Bt.20436.1.S1_at	DOWN	1.4560295	
	Bt.22849.1.S1_at	DOWN	2.3443224	
SH3KBP1	Bt.22362.1.S1_at	DOWN	2.3927095	SH3-domain kinase binding protein 1
11-Sep	Bt.23308.1.S1_at	DOWN	1.2733293	Septin 11
GARS	Bt.20193.1.S1_at	DOWN	1.4130079	glycyl-tRNA synthetase
AFTPH	Bt.11957.1.S1_at	DOWN	1.7649902	aftiphilin
PAK4	Bt.28427.1.S1_at	DOWN	2.3225727	P21 protein (Cdc42/Rac)-activated kinase 4
CD48	Bt.13293.1.S1_at	DOWN	1.513702	CD48 molecule
PIGU	Bt.13940.1.S1_at	DOWN	1.1691806	phosphatidylinositol glycan anchor biosynthesis, class U
TMEM220	Bt.28251.1.S1_at	DOWN	2.0563388	transmembrane protein 220
TMEM30B	Bt.22042.1.S1_at	DOWN	1.7340214	transmembrane protein 30B
IMPAD1	Bt.12649.1.S1_at	DOWN	1.604824	inositol monophosphatase domain containing 1
SEMA4B	Bt.26671.1.S1_at	DOWN	1.938405	similar to Semaphorin-4B
PPP1R13L	Bt.2928.1.S1_at	DOWN	2.2542691	protein phosphatase 1, regulatory (inhibitor) subunit 13 like
CAMK2G	Bt.21405.1.S1_at	DOWN	1.6813219	Calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma
ATP6AP2	Bt.22078.1.S1_at	DOWN	1.6005435	ATPase, H+ transporting, lysosomal accessory protein 2
NOC3L	Bt.4926.1.S1_at	DOWN	1.5720783	Nucleolar complex associated 3 homolog (S. cerevisiae)
LMAN2L	Bt.26705.2.S1_at	DOWN	1.4972056	lectin, mannose-binding 2-like
ZZZ3	Bt.13548.1.A1_at	DOWN	1.5128385	Zinc finger, ZZ-type containing 3
NDFIP2	Bt.5653.1.A1_at	DOWN	1.8594642	Nedd4 family interacting protein 2
SFN	Bt.9957.1.S1_a_at	DOWN	2.159143	stratifin
CANT1	Bt.26832.1.S1_at	DOWN	2.0165	calcium activated nucleotidase 1
ACTN4	Bt.12030.1.S1_at	DOWN	1.5287337	Actinin, alpha 4
ATF5	Bt.1319.1.S1_at	DOWN	3.0896206	Activating transcription factor 5
LHFPL2	Bt.15732.1.S1_a_at	DOWN	1.4800594	lipoma HMGIC fusion partner-like 2
LHFPL2	Bt.15732.1.S1_at	DOWN	1.4542669	lipoma HMGIC fusion partner-like 2
	Bt.13489.1.S1_at	DOWN	1.8878921	
LOC789240 /// TES	Bt.18089.1.S1_at	DOWN	1.7396219	similar to testis derived transcript /// testis derived transcript (3 LIM domains)
MSL1	Bt.20270.1.S1_at	DOWN	1.7230799	male-specific lethal 1 homolog (Drosophila)
MAPK14	Bt.9698.1.S1_at	DOWN	1.700607	mitogen-activated protein kinase 14
PPM1K	Bt.21997.1.S1_at	DOWN	1.3915387	protein phosphatase 1K (PP2C domain containing)
CDK7	Bt.11933.1.S1_at	DOWN	1.4867103	cyclin-dependent kinase 7
WSB2	Bt.26751.1.S1_at	DOWN	1.5247992	WD repeat and SOCS box-containing 2
ATF1	Bt.6860.2.S1_at	DOWN	1.3974272	activating transcription factor 1
GRTP1	Bt.27623.2.S1_a_at	DOWN	1.7865788	growth hormone regulated TBC protein 1
PITPNA	Bt.22547.1.A1_a_at	DOWN	1.6972011	phosphatidylinositol transfer protein, alpha
EFR3A	Bt.28322.1.S1_at	DOWN	1.4318378	Hypothetical protein LOC100125316
	Bt.28122.1.S1_at	DOWN	1.9304771	
	Bt.28382.1.S1_at	DOWN	1.3242304	
LYPD3	Bt.13250.1.S1_at	DOWN	1.8951906	LY6/PLAUR domain containing 3
CHST1	Bt.26606.1.S1_at	DOWN	2.367624	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1
GATA2	Bt.6408.1.S1_at	DOWN	2.1031158	GATA binding protein 2
C1GALT1	Bt.22740.1.A1_at	DOWN	2.1013615	Core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1
CADM1	Bt.3806.1.A1_at	DOWN	2.0963976	cell adhesion molecule 1
SLC44A2	Bt.21413.1.S1_at	DOWN	2.1350155	solute carrier family 44, member 2
LAMA5	Bt.9233.2.S1_at	DOWN	1.8102518	laminin, alpha 5
LMNA	Bt.28432.1.S1_at	DOWN	1.4093517	lamin A/C
LOC506260	Bt.20527.1.S1_at	DOWN	1.6721756	similar to Rho GTPase-activating protein
TSPYL4	Bt.19032.1.S1_at	DOWN	1.4089108	TSPY-like 4
STK24	Bt.22173.1.S1_at	DOWN	1.5530995	serine/threonine kinase 24 (STE20 homolog, yeast)
AIFM2	Bt.13597.2.S1_a_at	DOWN	2.303749	apoptosis-inducing factor, mitochondrion-associated, 2
EFS	Bt.27883.1.S1_at	DOWN	2.1930034	embryonal Fyn-associated substrate
PLSCR4	Bt.28704.1.S1_at	DOWN	1.5945189	phospholipid scramblase 4
NUP50	Bt.22695.1.S1_at	DOWN	1.2972339	nucleoporin 50kDa
	Bt.28602.1.S1_at	DOWN	2.1689441	
USP32	Bt.24778.1.S1_at	DOWN	1.314019	ubiquitin specific peptidase 32
	Bt.27966.1.S1_at	DOWN	1.5407034	
LOC100140107	Bt.26771.1.S1_at	DOWN	1.6539605	similar to S phase cyclin A-associated protein in the ER
TMED7	Bt.21855.1.S1_at	DOWN	1.6105276	transmembrane emp24 protein transport domain containing 7
NCOA1	Bt.13313.1.S1_at	DOWN	2.2173486	nuclear receptor coactivator 1
SLC16A13	Bt.1207.1.S1_a_at	DOWN	2.0161705	solute carrier family 16, member 13 (monocarboxylic acid transporter
SLC16A13	Bt.1207.1.S1_at	DOWN	1.6900803	solute carrier family 16, member 13 (monocarboxylic acid transporter
NR2C1	Bt.28215.1.S1_at	DOWN	1.4540946	nuclear receptor subfamily 2, group C, member 1
RPAIN	Bt.17880.1.S1_a_at	DOWN	1.3303876	RPA interacting protein
	Bt.23566.1.A1_at	DOWN	1.5870082	
FNDC3B	Bt.28105.1.S1_at	DOWN	1.6182468	fibronectin type III domain containing 3B
AAK1	Bt.12052.1.S1_at	DOWN	1.4971492	AP2 associated kinase 1
LOC540046	Bt.25845.1.S1_at	DOWN	1.8087491	similar to Protein GCAP14 homolog
SNRNP48	Bt.21348.1.A1_a_at	DOWN	1.6689726	small nuclear ribonucleoprotein 48kDa (U11/U12)
ITFG1	Bt.24900.1.S1_at	DOWN	1.7110022	integrin alpha FG-GAP repeat containing 1
SLC25A26	Bt.20243.1.A1_at	DOWN	1.2129434	solute carrier family 25, member 26
	Bt.2765.1.S1_at	DOWN	1.9641147	
KCTD11	Bt.24709.1.S1_at	DOWN	2.1513271	potassium channel tetramerisation domain containing 11
	Bt.13289.1.S1_at	DOWN	2.1126075	
ME1	Bt.26829.1.S1_at	DOWN	2.5445457	malic enzyme 1, NADP(+)-dependent, cytosolic
	Bt.18761.1.S1_at	DOWN	2.0754263	
BCO2	Bt.28078.1.S1_at	DOWN	1.8897091	beta-carotene oxygenase 2
GCGR	Bt.27844.1.S1_at	DOWN	1.7660768	glucagon receptor
MAGI3	Bt.24563.1.S1_at	DOWN	1.7141033	membrane associated guanylate kinase, WW and PDZ domain containing
MCM3	Bt.18326.2.S1_a_at	DOWN	1.794821	minichromosome maintenance complex component 3
VPS26A	Bt.2478.1.S1_at	DOWN	1.2802202	vacuolar protein sorting 26 homolog A (S. pombe)
AKAP11	Bt.16113.1.A1_at	DOWN	1.5225959	A kinase (PRKA) anchor protein 11
ANKRD49	Bt.28711.1.S1_at	DOWN	1.5179538	ankyrin repeat domain 49
NBR1	Bt.28137.1.S1_at	DOWN	2.1053476	Neighbor of BRCA1 gene 1
LOC513940 /// LOC783633 /	Bt.27546.1.S1_at	DOWN	1.433113	similar to RIKEN cDNA 4930519N13 /// similar to KIAA0980 protein /// similar to KIAA0980 protein /// similar to RIKEN cDNA 4930519N13
DSC2	Bt.15653.1.S1_at	DOWN	1.9258308	Desmocollin 2
	Bt.12613.1.S1_at	DOWN	1.5350603	
IP6K1	Bt.24772.1.A1_at	DOWN	1.7877448	inositol hexakisphosphate kinase 1
DCTD	Bt.24381.1.S1_at	DOWN	1.3958384	DCMP deaminase
RIOK3	Bt.22359.1.A1_at	DOWN	1.4380912	RIO kinase 3 (yeast)
	Bt.6623.1.A1_at	DOWN	1.4538628	
ADAM10	Bt.26992.1.A1_at	DOWN	1.5288352	ADAM metallopeptidase domain 10
	Bt.19219.1.S1_at	DOWN	1.468741	

CDH26	Bt.28734.1.S1_at	DOWN	1.6446624	Cadherin-like 26
TTC12	Bt.24475.1.S1_at	DOWN	1.9022963	tetratricopeptide repeat domain 12
CLCN2	Bt.25700.1.A1_at	DOWN	1.587845	chloride channel 2
FGD5	Bt.25107.1.A1_at	DOWN	1.602987	FYVE, RhoGEF and PH domain containing 5
CPA1 /// CPA5 /// LOC512	Bt.19969.1.S1_a_at	DOWN	1.8970461	carboxypeptidase A1 (pancreatic) /// carboxypeptidase A5 /// similar to carboxypeptidase A3
	Bt.10623.1.S1_at	DOWN	1.4636824	
IL17D	Bt.20223.2.S1_at	DOWN	2.6227965	interleukin 17D
	Bt.28136.1.A1_at	DOWN	1.262392	
POLR3C	Bt.14013.1.A1_at	DOWN	1.4391831	polymerase (RNA) III (DNA directed) polypeptide C (62kD)
	Bt.21611.1.S1_at	DOWN	1.5757142	
LAMC1	Bt.19181.1.A1_at	DOWN	2.0515208	laminin, gamma 1 (formerly LAMB2)
LAMC1	Bt.20793.1.A1_s_at	DOWN	1.8733654	laminin, gamma 1 (formerly LAMB2)
	Bt.20566.1.A1_at	DOWN	1.9748613	
	Bt.6203.1.S1_at	DOWN	1.7539902	
	Bt.17432.1.S1_at	DOWN	1.6842535	
	Bt.26898.1.S1_at	DOWN	1.4792782	
TM2D1	Bt.26582.1.S1_at	DOWN	1.4567835	TM2 domain containing 1
LOC100139146 /// P4HA1	Bt.3296.1.A1_at	DOWN	1.4894774	hypothetical protein LOC100139146 /// prolyl 4-hydroxylase, alpha polypeptide I
LOC531539	Bt.28392.1.S1_at	DOWN	1.815821	Similar to KIAA1609 protein
MGC159903	Bt.16057.1.S1_at	DOWN	1.5476098	hypothetical LOC540019
MMP23B	Bt.7179.1.S1_a_at	DOWN	1.9486167	matrix metallopeptidase 23B
TMEM20	Bt.29031.1.A1_at	DOWN	2.479758	Transmembrane protein 20
	Bt.24372.1.S1_at	DOWN	1.6480072	
	Bt.25077.1.S1_at	DOWN	2.0075548	
	Bt.29524.1.S1_at	DOWN	1.5739341	
LOC614655	Bt.28646.1.S1_at	DOWN	1.6617938	Similar to DNA segment, Chr 15, Wayne State University 75, expressed
	Bt.27221.1.S1_at	DOWN	1.7883621	
SLC39A9	Bt.29299.1.S1_at	DOWN	1.5202812	solute carrier family 39 (zinc transporter), member 9
MRAS	Bt.26329.1.S1_at	DOWN	1.7517343	muscle RAS oncogene homolog
ALDH1A3 /// LOC534200	Bt.8798.1.S1_at	DOWN	2.2409155	aldehyde dehydrogenase 1 family, member A3 /// similar to aldehyde dehydrogenase family 1, subfamily A3
MCOLN2	Bt.25669.1.S1_at	DOWN	2.0286338	Mucolipin 2
TMEM30A	Bt.29417.1.S1_at	DOWN	1.6711882	transmembrane protein 30A
	Bt.24279.1.S1_s_at	DOWN	1.679753	
LOC533350	Bt.27953.1.S1_at	DOWN	1.6592451	similar to KIAA1451 protein
TMEM120B	Bt.12561.2.S1_at	DOWN	2.104217	Transmembrane protein 120B
CLIC4	Bt.981.1.S1_at	DOWN	1.9453092	Chloride intracellular channel 4
	Bt.11667.2.A1_at	DOWN	1.9814572	
PIGV	Bt.18990.1.S1_at	DOWN	1.4435529	Phosphatidylinositol glycan anchor biosynthesis, class V
CARD10	Bt.29902.1.S1_at	DOWN	1.729158	Caspase recruitment domain family, member 10
NCOA1	Bt.21119.1.A1_at	DOWN	2.222891	nuclear receptor coactivator 1
	Bt.22816.1.A1_at	DOWN	1.9410524	
	Bt.20994.1.S1_at	DOWN	2.5793107	
	Bt.21293.1.A1_at	DOWN	2.2935898	
	Bt.20072.1.S1_at	DOWN	2.2575068	
NEU3	Bt.7136.1.S1_at	DOWN	1.7338578	Sialidase 3 (membrane sialidase)
	Bt.14006.1.A1_at	DOWN	1.4885455	
METAP1	Bt.28066.1.S1_at	DOWN	1.4957978	methionyl aminopeptidase 1
	Bt.18692.1.S1_at	DOWN	1.8160636	
UCN3	Bt.13426.1.A1_at	DOWN	1.5790683	urocortin 3 (stresscopin)
SMURF2	Bt.28632.1.A1_at	DOWN	1.6887857	SMAD specific E3 ubiquitin protein ligase 2
ALG10	Bt.27432.1.A1_at	DOWN	1.4741203	Asparagine-linked glycosylation 10 homolog (yeast, alpha-1,2-glucosyltransferase)
LOC618360	Bt.24411.1.A1_at	DOWN	1.4933068	similar to Nitric oxide-inducible gene protein
TFDP2	Bt.24154.1.A1_at	DOWN	1.5215364	transcription factor Dp-2 (E2F dimerization partner 2)
ZFAND3	Bt.23708.1.A1_at	DOWN	1.7723743	zinc finger, AN1-type domain 3
KLK10	Bt.24568.1.A1_at	DOWN	2.685518	kallikrein-related peptidase 10
MGC151592	Bt.25440.1.A1_at	DOWN	1.8837829	hypothetical LOC614962
MGC127461	Bt.24155.1.A1_at	DOWN	1.6253836	hypothetical LOC508280
MAP7	Bt.18325.2.A1_at	DOWN	1.9468749	microtubule-associated protein 7
	Bt.13622.1.A1_at	DOWN	1.9509401	
MGC152083	Bt.22138.1.S1_at	DOWN	1.9760315	similar to Zinc finger protein 677
9-Mar	Bt.18862.1.S1_at	DOWN	1.195696	membrane-associated ring finger (C3HC4) 9
	Bt.11677.1.S1_at	DOWN	1.9796177	
PLA2G15	Bt.7833.1.A1_at	DOWN	2.369916	phospholipase A2, group XV
	Bt.18767.1.A1_at	DOWN	1.7505947	
EXOC6	Bt.21049.1.S1_at	DOWN	1.7108073	exocyst complex component 6
NUDT12	Bt.24909.1.A1_at	DOWN	1.7428966	nudix (nucleoside diphosphate linked moiety X)-type motif 12
10-Sep	Bt.24630.1.S1_at	DOWN	1.7298647	septin 10
	Bt.24764.1.A1_at	DOWN	2.128725	
	Bt.22477.1.S1_at	DOWN	2.5542953	
	Bt.22303.1.S1_at	DOWN	2.7770877	
BIN1	Bt.16437.1.S1_at	DOWN	1.7009101	bridging integrator 1
FLII	Bt.5123.2.S1_at	DOWN	1.535667	flightless I homolog (Drosophila)
FADD	Bt.3682.1.S1_at	DOWN	1.5788375	Fas (TNFRSF6)-associated via death domain
CLIC4	Bt.981.2.S1_at	DOWN	1.6859391	Chloride intracellular channel 4
UBTF	Bt.20076.1.S1_at	DOWN	1.4972795	upstream binding transcription factor, RNA polymerase I
LONP1	Bt.22312.1.S1_at	DOWN	1.2817209	lon peptidase 1, mitochondrial
FDFT1	Bt.21724.1.S1_at	DOWN	1.5839392	Farnesyl-diphosphate farnesyltransferase 1
ABLIM1	Bt.16041.1.S1_at	DOWN	1.6210483	actin binding LIM protein 1
TCTA	Bt.6044.1.S1_at	DOWN	1.9307611	T-cell leukemia translocation altered gene
GALM	Bt.2580.1.S1_at	DOWN	1.6890302	galactose mutarotase (aldose 1-epimerase)
SEC14L1	Bt.12888.1.S1_at	DOWN	1.7208091	SEC14-like 1 (S. cerevisiae)
MGST2	Bt.21183.1.S1_at	DOWN	1.2410251	microsomal glutathione S-transferase 2
	Bt.9522.1.S1_at	DOWN	1.6945984	
CIZ1	Bt.1324.1.S1_at	DOWN	1.5516655	CDKN1A interacting zinc finger protein 1
OSBPL9	Bt.18177.1.A1_at	DOWN	1.3591615	oxysterol binding protein-like 9
S100A2	Bt.5970.1.S1_a_at	DOWN	1.6763103	S100 calcium binding protein A2
SDC4	Bt.14031.1.S1_at	DOWN	1.2959894	Syndecan 4
EIF2S3	Bt.21351.1.S1_at	DOWN	1.3774964	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa
LYN	Bt.10831.1.S1_at	DOWN	1.4966546	V-yes-1 Yamaguchi sarcoma viral related oncogene homolog
PTPN23	Bt.20546.1.S1_a_at	DOWN	1.7545938	protein tyrosine phosphatase, non-receptor type 23
TAOK3	Bt.1682.1.S1_at	DOWN	1.727256	TAO kinase 3
RAB25	Bt.20180.1.S1_at	DOWN	1.8821639	RAB25, member RAS oncogene family
ABCA3	Bt.6002.1.S1_at	DOWN	2.334707	ATP-binding cassette, sub-family A (ABC1), member 3
ECHDC2	Bt.5885.1.S1_at	DOWN	2.0675306	enoyl Coenzyme A hydratase domain containing 2
ELMOD3	Bt.4582.2.S1_at	DOWN	1.6803136	ELMO/CED-12 domain containing 3
SLC26A11	Bt.8620.1.S1_at	DOWN	1.4446455	solute carrier family 26, member 11
UNC13D	Bt.20343.1.S1_at	DOWN	1.7914147	unc-13 homolog D (C. elegans)
DENND1A	Bt.6348.2.S1_at	DOWN	1.9640723	DENN/MADD domain containing 1A
LOC100138312	Bt.17121.1.S1_at	DOWN	1.446917	Similar to Long-chain-fatty-acid--CoA ligase 3 (Long-chain acyl-CoA synthetase 3) (LACS 3)
SLC38A10	Bt.8828.1.S1_at	DOWN	1.5356609	Solute carrier family 38, member 10

SLC9A3R1	Bt.8191.1.S1_at	DOWN	1.697476	solute carrier family 9 (sodium/hydrogen exchanger), member 3
GNPDA1	Bt.7640.1.S1_at	DOWN	1.3504378	glucosamine-6-phosphate deaminase 1
	Bt.2077.1.S1_at	DOWN	1.4539365	
SDR39U1	Bt.11945.2.A1_at	DOWN	1.8185517	short chain dehydrogenase/reductase family 39U, member 1
NEU1	Bt.12399.1.S1_at	DOWN	1.8364778	sialidase 1 (lysosomal sialidase)
LTBR	Bt.8646.1.S1_at	DOWN	1.9216026	lymphotoxin beta receptor (TNFR superfamily, member 3)
MED19	Bt.9184.1.S1_at	DOWN	1.2375869	mediator complex subunit 19
ANXA3	Bt.6775.1.S1_at	DOWN	2.2335014	annexin A3
LOC535156	Bt.9425.1.S1_at	DOWN	1.1988322	similar to signal peptide peptidase 3
TJP2	Bt.20601.2.S1_at	DOWN	1.7135128	Tight junction protein 2 (zona occludens 2)
RAP2C	Bt.26628.1.S1_at	DOWN	1.8826202	RAP2C, member of RAS oncogene family
NET1	Bt.6157.1.S1_at	DOWN	1.2866294	neuroepithelial cell transforming gene 1
ALDH7A1	Bt.22086.3.S1_at	DOWN	1.5493609	aldehyde dehydrogenase 7 family, member A1
RHOB	Bt.8382.2.S1_at	DOWN	1.6368263	ras homolog gene family, member B
VPS37B	Bt.7063.1.S1_at	DOWN	2.6571026	vacuolar protein sorting 37 homolog B (S. cerevisiae)
EXOC4	Bt.12342.1.S1_at	DOWN	1.4428185	exocyst complex component 4
MAPKAPK2	Bt.11022.1.S1_at	DOWN	1.567951	mitogen-activated protein kinase-activated protein kinase 2
NAAA	Bt.24570.1.S1_at	DOWN	2.2662137	N-acylethanolamine acid amidase
DGKH	Bt.4413.1.S1_at	DOWN	1.816965	diacylglycerol kinase, eta
	Bt.8421.1.A1_at	DOWN	1.2428929	
KDM3A	Bt.12249.1.S1_at	DOWN	1.1718328	lysine (K)-specific demethylase 3A
REEP4	Bt.12857.1.S1_at	DOWN	1.3847274	receptor accessory protein 4
SGSH	Bt.12396.1.S1_at	DOWN	1.4171048	N-sulfoglucosamine sulfohydrolase
ARHGAP21	Bt.7430.1.S1_at	DOWN	1.5368032	Rho GTPase activating protein 21
	Bt.9672.1.S1_at	DOWN	1.6965337	
RHPN2	Bt.12403.1.S1_at	DOWN	1.675559	rhophilin, Rho GTPase binding protein 2
MYSM1	Bt.20672.1.S1_at	DOWN	1.2687958	Myb-like, SWIRM and MPN domains 1
LPCAT1	Bt.4142.1.S1_at	DOWN	1.6635911	lysophosphatidylcholine acyltransferase 1
C28H10orf57	Bt.5329.1.S1_at	DOWN	1.4286007	chromosome 10 open reading frame 57 ortholog
CCDC47	Bt.15698.1.S1_at	DOWN	1.3650895	coiled-coil domain containing 47
	Bt.28440.1.S1_at	DOWN	2.5224304	
DDRGK1	Bt.22808.1.S1_at	DOWN	1.3059558	DDRGK domain containing 1
MGC134244	Bt.14201.1.S1_a_at	DOWN	1.6261231	hypothetical protein MGC134244
MGC139367	Bt.20165.2.S1_at	DOWN	1.7102597	Hypothetical LOC525690
DNMBP	Bt.12081.1.S1_at	DOWN	2.2646132	dynamin binding protein
	Bt.5604.1.A1_at	DOWN	1.9877669	
PDCD6	Bt.24449.1.S1_at	DOWN	1.3521612	programmed cell death 6
AQP11	Bt.20574.1.S1_at	DOWN	1.8751016	Aquaporin 11
	Bt.1895.1.S1_at	DOWN	2.4965303	
ENPP3	Bt.9659.1.S1_a_at	DOWN	3.9788396	ectonucleotide pyrophosphatase/phosphodiesterase 3
PROSC	Bt.23633.2.A1_at	DOWN	1.6020522	proline synthetase co-transcribed homolog (bacterial)
SETD3	Bt.16362.2.S1_at	DOWN	1.3340905	SET domain containing 3
ANKH	Bt.7418.1.S1_at	DOWN	2.057553	ankylosis, progressive homolog (mouse)
C13H20ORF3	Bt.12738.1.S1_at	DOWN	1.4377949	Chromosome 20 open reading frame 3 ortholog
ERBB2IP	Bt.22737.1.S1_at	DOWN	1.6140728	erbb2 interacting protein
IL10RB	Bt.26552.1.S1_at	DOWN	1.7259173	interleukin 10 receptor, beta
INPP5D	Bt.6453.1.S1_at	DOWN	2.2663424	inositol polyphosphate-5-phosphatase, 145kDa
NCOA1	Bt.27939.2.A1_a_at	DOWN	2.4629457	nuclear receptor coactivator 1
ST6GALNAC2	Bt.9786.1.S1_at	DOWN	1.9368035	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2
	Bt.21928.1.S1_at	DOWN	1.427115	
	Bt.673.1.S1_at	DOWN	1.6940612	
CYP51	Bt.621.1.S1_at	DOWN	2.0612516	cytochrome P450, family 51, subfamily A, polypeptide 1
MRAS	Bt.1000.2.S1_at	DOWN	1.3887677	muscle RAS oncogene homolog
SLC17A5	Bt.26942.1.S1_at	DOWN	2.0758781	Solute carrier family 17 (anion/sugar transporter), member 5
CPEB4	Bt.20407.1.S1_at	DOWN	2.258913	cytoplasmic polyadenylation element binding protein 4
STX12	Bt.22728.1.S1_at	DOWN	1.9945204	Syntaxin 12
TAX1BP1	Bt.20105.2.S1_at	DOWN	1.1662431	Tax1 (human T-cell leukemia virus type I) binding protein 1
SERPINB5	Bt.12147.1.S1_at	DOWN	2.567782	Serpin peptidase inhibitor, clade B (ovalbumin), member 5
ARSE	Bt.6471.1.S1_at	DOWN	2.0450974	arylsulfatase E (chondrodysplasia punctata 1)
USP25	Bt.10988.1.S1_at	DOWN	2.3491795	ubiquitin specific peptidase 25
MTMR1	Bt.8024.1.A1_at	DOWN	1.395619	myotubularin related protein 1
FBXO6	Bt.28218.1.S1_at	DOWN	1.9498008	F-box protein 6
CCDC45	Bt.3833.1.A1_a_at	DOWN	1.5554109	coiled-coil domain containing 45
	Bt.3311.1.S1_at	DOWN	1.5694313	
FERMT2	Bt.6338.1.S1_at	DOWN	1.680122	fermitin family homolog 2 (Drosophila)
MAFK	Bt.19578.1.S1_at	DOWN	1.9388174	v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)
CLIC4	Bt.981.3.S1_at	DOWN	1.7844121	Chloride intracellular channel 4
FGD3	Bt.6823.1.S1_at	DOWN	2.2034638	FYVE, RhoGEF and PH domain containing 3
	Bt.3868.1.S1_at	DOWN	1.5284123	
LOC788752 /// SGMS1	Bt.27820.1.S1_at	DOWN	1.372253	similar to sphingomyelin synthase 1 /// sphingomyelin synthase 1
DDX21	Bt.19693.1.S1_at	DOWN	1.4616239	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21
RNF121	Bt.21603.2.S1_at	DOWN	1.7730684	ring finger protein 121
	Bt.8904.1.S1_at	DOWN	1.8991652	
LOC790208 /// MPZ	Bt.4196.1.S1_at	DOWN	2.2630672	similar to myelin protein zero (Charcot-Marie-Tooth neuropathy 1B) /// myelin protein zero
CRLF3	Bt.7031.1.A1_at	DOWN	1.5882324	Cytokine receptor-like factor 3
URG4	Bt.13301.1.S1_at	DOWN	1.872013	up-regulated gene 4
LOC532603	Bt.13882.1.S1_at	DOWN	1.8992951	hypothetical protein LOC532603
	Bt.4010.1.S1_at	DOWN	1.9328549	
SH3BP5	Bt.20680.1.S1_at	DOWN	1.709592	SH3-domain binding protein 5 (BTK-associated)
MFSD1	Bt.1111.1.S1_at	DOWN	1.6284934	major facilitator superfamily domain containing 1
INTS7	Bt.28097.1.S1_at	DOWN	1.2741777	integrator complex subunit 7
LRRFIP1	Bt.648.1.A1_at	DOWN	1.5218053	Leucine rich repeat (in FLII) interacting protein 1
LOC538778	Bt.2726.1.S1_at	DOWN	1.7415003	similar to dapper 1
LOC511117	Bt.24708.2.S1_a_at	DOWN	1.6370262	similar to major facilitator superfamily domain containing 7
TGM1	Bt.736.1.A1_at	DOWN	2.5827491	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)
ADAM9	Bt.734.1.S1_at	DOWN	1.659354	ADAM metallopeptidase domain 9 (meltrin gamma)
TMEM127	Bt.6553.1.A1_at	DOWN	1.5988145	transmembrane protein 127
STIM2	Bt.8650.1.A1_at	DOWN	1.9882475	stromal interaction molecule 2
GRINL1A	Bt.25922.1.A1_at	DOWN	1.4418932	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A
VPS39	Bt.26861.2.S1_a_at	DOWN	1.7319652	vacuolar protein sorting 39 homolog (S. cerevisiae)
MAN2A2	Bt.3516.1.S1_at	DOWN	1.7368757	mannosidase, alpha, class 2A, member 2
	Bt.7344.1.S1_at	DOWN	1.5077806	
	Bt.1422.1.S1_at	DOWN	2.085446	
	Bt.19621.1.A1_at	DOWN	1.5769167	
PSAT1	Bt.13588.1.A1_at	DOWN	1.6316974	phosphoserine aminotransferase 1
LOC617808	Bt.12204.1.S1_at	DOWN	1.318246	hypothetical LOC617808
DHDH	Bt.22630.1.S1_at	DOWN	1.876865	dihydrodiol dehydrogenase (dimeric)
FHL3	Bt.6154.1.S1_at	DOWN	2.246802	four and a half LIM domains 3
	Bt.22374.1.S1_at	DOWN	1.8024644	
	Bt.29922.1.S1_at	DOWN	1.5307908	
RALBP1	Bt.20202.1.S1_at	DOWN	1.396713	RalA binding protein 1

LOC613607	Bt.19746.1.S1_at	DOWN	1.6347083	similar to Zinc finger and BTB domain-containing protein 4 (KAISO-like zinc finger protein 1) (KAISO-L1)
ENPEP	Bt.25855.2.S1_at	DOWN	2.1835747	glutamyl aminopeptidase (aminopeptidase A)
FAM177A1	Bt.20603.2.S1_at	DOWN	1.773045	Protein FAM177A1
	Bt.9612.1.S1_at	DOWN	1.6190542	
	Bt.17518.1.S1_at	DOWN	2.213709	
MOBKL2B	Bt.17377.1.S1_at	DOWN	1.9404912	MOB1, Mps One Binder kinase activator-like 2B (yeast)
MAD2L2	Bt.21336.1.S1_a_at	DOWN	1.6757176	MAD2 mitotic arrest deficient-like 2 (yeast)
	Bt.5917.1.S1_at	DOWN	1.2880766	
GCLM	Bt.20267.1.S1_at	DOWN	1.7836456	glutamate-cysteine ligase, modifier subunit
	Bt.13329.1.S1_at	DOWN	1.5822796	
GDPD1	Bt.26100.1.S1_at	DOWN	2.061223	Glycerophosphodiester phosphodiesterase domain containing 1
CHMP5	Bt.14081.1.A1_at	DOWN	1.18563	chromatin modifying protein 5
UNC13D	Bt.20343.2.S1_at	DOWN	2.2545524	unc-13 homolog D (C. elegans)
	Bt.11460.1.A1_at	DOWN	1.8029375	
ARHGAP26	Bt.28625.1.S1_at	DOWN	2.4147253	Rho GTPase activating protein 26
TMEM139	Bt.8222.1.S1_at	DOWN	1.5551306	transmembrane protein 139
	Bt.22614.2.S1_at	DOWN	1.6763688	
	Bt.16259.1.A1_at	DOWN	1.9424008	
	Bt.19267.1.A1_at	DOWN	2.4366012	
LASS4	Bt.2268.1.S1_at	DOWN	2.3209543	LAG1 homolog, ceramide synthase 4
TMEM179B	Bt.20497.2.S1_a_at	DOWN	1.575482	transmembrane protein 179B
NRBP2	Bt.27092.1.A1_at	DOWN	2.198405	nuclear receptor binding protein 2
	Bt.16259.2.S1_at	DOWN	2.3705702	
	Bt.24269.1.S1_at	DOWN	2.7728443	
UBE3B	Bt.5710.1.S1_at	DOWN	1.3736743	ubiquitin protein ligase E3B
ARL6IP2	Bt.14993.2.A1_at	DOWN	1.3277433	ADP-ribosylation factor-like 6 interacting protein 2
SERPINB5	Bt.8428.1.S1_at	DOWN	2.5508566	Serpin peptidase inhibitor, clade B (ovalbumin), member 5
AP3M1	Bt.27280.2.S1_at	DOWN	1.5389553	adaptor-related protein complex 3, mu 1 subunit
SNX8	Bt.28467.1.S1_at	DOWN	2.2039223	sorting nexin 8
ALDH3A2	Bt.28130.1.S1_at	DOWN	1.7939123	Aldehyde dehydrogenase 3 family, member A2
LOC510320	Bt.21852.1.S1_at	DOWN	1.6075575	hypothetical protein LOC510320
LOC100140553	Bt.5976.1.S1_at	DOWN	2.2242486	similar to Gap junction beta-4 protein (Connexin-30.3) (Cx30.3)
STX12	Bt.22728.2.S1_at	DOWN	2.2310524	syntaxin 12
	Bt.19780.1.A1_at	DOWN	1.7303321	
SLC22A5	Bt.6542.1.S1_at	DOWN	1.6687576	solute carrier family 22 (organic cation/carnitine transporter), member 5
	Bt.28123.1.S1_at	DOWN	1.745478	
PKP2	Bt.21547.2.S1_at	DOWN	1.721985	plakophilin 2
NUP214	Bt.15866.3.S1_a_at	DOWN	2.0783029	nucleoporin 214kDa
DDEF2	Bt.3726.2.S1_at	DOWN	1.6111388	Development and differentiation enhancing factor 2
	Bt.28059.1.S1_at	DOWN	1.616934	
RDH11	Bt.18951.1.S1_at	DOWN	2.3503518	Retinol dehydrogenase 11 (all-trans/9-cis/11-cis)
SLC16A1	Bt.13537.1.A1_at	DOWN	1.6768037	solute carrier family 16, member 1 (monocarboxylic acid transporter 1)
	Bt.26407.2.S1_at	DOWN	1.8142303	
MTMR10	Bt.9801.1.S1_at	DOWN	1.9159364	myotubularin related protein 10
	Bt.8490.1.A1_at	DOWN	1.7919002	
GDPD2	Bt.10996.1.S1_at	DOWN	1.9844042	glycerophosphodiester phosphodiesterase domain containing 2
	Bt.20572.1.A1_at	DOWN	2.2891607	
	Bt.12142.1.S1_at	DOWN	2.1657193	
SESN2	Bt.9519.1.S1_at	DOWN	1.4991796	sestrin 2
RBMS2	Bt.24935.1.S1_a_at	DOWN	1.6360341	RNA binding motif, single stranded interacting protein 2
	Bt.17742.1.A1_at	DOWN	1.7778047	
LRRFIP2	Bt.13852.2.S1_at	DOWN	2.2802496	leucine rich repeat (in FLII) interacting protein 2
MTHFD2	Bt.6685.1.S1_at	DOWN	2.0005305	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase
NLRX1	Bt.6182.1.S1_at	DOWN	1.6131327	NLR family member X1
LOC513587	Bt.18316.2.S1_at	DOWN	1.8284106	Similar to UPF0474 protein C5orf41
CPEB4	Bt.20407.2.A1_at	DOWN	2.0974286	cytoplasmic polyadenylation element binding protein 4
PGCP	Bt.2120.1.S1_at	DOWN	1.2340838	plasma glutamate carboxypeptidase
INSIG2	Bt.20716.1.S1_at	DOWN	1.6771549	insulin induced gene 2
	Bt.26501.1.S1_at	DOWN	1.3779478	
	Bt.22036.2.S1_at	DOWN	3.1916904	
PDLIM4	Bt.10813.1.S1_at	DOWN	1.7775682	PDZ and LIM domain 4
PDXK	Bt.7641.2.S1_a_at	DOWN	1.8355335	pyridoxal (pyridoxine, vitamin B6) kinase
SH3BP5	Bt.8619.1.S1_at	DOWN	1.9417481	SH3-domain binding protein 5 (BTK-associated)
	Bt.26806.1.A1_at	DOWN	1.6326933	
PRSS8	Bt.28286.1.S1_at	DOWN	2.0014029	protease, serine, 8
MTHFD2	Bt.20862.2.S1_at	DOWN	2.826764	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase
LOC783192	Bt.16761.3.S1_at	DOWN	1.4556227	Hypothetical LOC783192
SNX10	Bt.27822.2.S1_at	DOWN	2.2007897	sorting nexin 10
	Bt.22628.1.S1_at	DOWN	1.6386491	
	Bt.22461.1.S1_at	DOWN	1.737323	
FNDC3B	Bt.27911.1.S1_at	DOWN	1.5141888	fibronectin type III domain containing 3B
	Bt.28610.1.S1_at	DOWN	1.7125278	
PLEKHB2	Bt.8690.2.S1_at	DOWN	1.2961373	pleckstrin homology domain containing, family B (evectins) member 2
ARL6IP2	Bt.14993.3.S1_a_at	DOWN	1.9361347	ADP-ribosylation factor-like 6 interacting protein 2
SERTAD4	Bt.29921.1.S1_at	DOWN	1.9169414	SERTA domain containing 4
FBXO6	Bt.28218.3.S1_a_at	DOWN	2.9090729	F-box protein 6
RUNDC1	Bt.25427.1.S1_at	DOWN	1.4772283	RUN domain containing 1
	Bt.21134.1.S1_at	DOWN	1.5601653	
KCTD9	Bt.16256.2.S1_at	DOWN	1.5233593	potassium channel tetramerisation domain containing 9
	Bt.24853.1.A1_at	DOWN	1.570025	
SPG20	Bt.21619.1.S1_at	DOWN	2.016844	spastic paraplegia 20 (Troyer syndrome)
	Bt.9167.1.S1_at	DOWN	3.0964954	
LOC511659	Bt.931.1.S1_at	DOWN	1.6221293	similar to phospholipase C, gamma 2
RCN2	Bt.8643.2.S1_at	DOWN	1.7544789	reticulocalbin 2, EF-hand calcium binding domain
LOC614166	Bt.10169.1.S1_at	DOWN	1.6160908	similar to Uncharacterized protein C8orf42 homolog
FERMT2	Bt.2941.2.S1_a_at	DOWN	1.6572821	fermitin family homolog 2 (Drosophila)
TPCN1	Bt.24963.1.A1_at	DOWN	2.0695527	two pore segment channel 1
	Bt.11797.1.S1_at	DOWN	1.6550685	
LRRC8E	Bt.11951.1.A1_at	DOWN	2.0357397	leucine rich repeat containing 8 family, member E
	Bt.13651.2.A1_at	DOWN	1.9097805	
JUND	Bt.19334.2.S1_at	DOWN	1.5249941	jun D proto-oncogene
FGD4	Bt.28780.2.A1_a_at	DOWN	2.151337	FYVE, RhoGEF and PH domain containing 4
FGD4	Bt.28780.1.A1_at	DOWN	1.8186837	FYVE, RhoGEF and PH domain containing 4
PTPRK	Bt.27565.1.S1_at	DOWN	2.4014623	protein tyrosine phosphatase, receptor type, K
ROCK2	Bt.20414.2.S1_at	DOWN	1.651399	Rho-associated, coiled-coil containing protein kinase 1
TPD52L1	Bt.15740.2.S1_at	DOWN	2.1119735	tumor protein D52-like 1
	Bt.28146.1.A1_at	DOWN	1.4522835	
PIP4K2A	Bt.18751.1.S1_at	DOWN	1.588371	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha
KLF11	Bt.16916.2.A1_at	DOWN	2.2398603	Kruppel-like factor 11
UGCG	Bt.25887.1.A1_at	DOWN	1.7148117	UDP-glucose ceramide glucosyltransferase
SLC30A5	Bt.21891.1.A1_at	DOWN	1.3212602	Solute carrier family 30 (zinc transporter), member 5
	Bt.7672.1.A1_at	DOWN	1.5675546	

	Bt.12419.1.S1_at	DOWN	1.6302277	
PTPRK	Bt.7319.1.S1_at	DOWN	1.9476385	protein tyrosine phosphatase, receptor type, K
	Bt.20226.2.A1_at	DOWN	1.8470159	
	Bt.17982.1.S1_at	DOWN	2.0321012	
3-Mar	Bt.15808.1.S1_at	DOWN	1.6654469	membrane-associated ring finger (C3HC4) 3
GOLGA4	Bt.26662.1.S1_at	DOWN	1.53629	golgi autoantigen, golgin subfamily a, 4
	Bt.9441.1.S1_at	DOWN	2.1855807	
RIN3	Bt.16402.2.A1_s_at	DOWN	1.8827661	Ras and Rab interactor 3
IRF5	Bt.18476.2.S1_at	DOWN	2.2771382	interferon regulatory factor 5
	Bt.2225.1.S1_at	DOWN	2.5824983	
PLEKHH1	Bt.17280.1.S1_at	DOWN	2.2387624	similar to Pleckstrin homology domain-containing family H member 1
TMEM144	Bt.11998.1.S1_at	DOWN	2.331126	transmembrane protein 144
AIM1L	Bt.28839.1.S1_at	DOWN	2.197004	absent in melanoma 1-like
TMEM52	Bt.27323.1.S1_at	DOWN	2.4501715	Transmembrane protein 52
ARHGEF3	Bt.3236.2.S1_at	DOWN	1.6099448	Rho guanine nucleotide exchange factor (GEF) 3
SLC29A3	Bt.27867.2.S1_at	DOWN	2.0145702	solute carrier family 29 (nucleoside transporters), member 3
LOC540231	Bt.9784.1.S1_at	DOWN	2.1122758	hypothetical LOC540231
PPM1M	Bt.4541.2.S1_a_at	DOWN	2.62129	protein phosphatase 1M (PP2C domain containing)
CLN8	Bt.16727.2.S1_at	DOWN	1.7278051	ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation)
	Bt.29637.1.S1_at	DOWN	1.9109632	
SLC13A4	Bt.16486.1.S1_at	DOWN	2.1777956	solute carrier family 13 (sodium/sulfate symporters), member 4
	Bt.28406.1.S1_at	DOWN	1.6833767	
RDH11	Bt.18951.2.S1_at	DOWN	2.1053817	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)
	Bt.6176.1.S1_at	DOWN	2.006243	
RIOK3	Bt.22359.3.S1_at	DOWN	1.3031251	RIO kinase 3 (yeast)
	Bt.14032.1.S1_at	DOWN	2.3289099	
Mynn	Bt.13437.1.S1_at	DOWN	1.5640268	myoneurin
MBNL3	Bt.10941.1.S1_at	DOWN	2.0454938	muscleblind-like 3 (Drosophila)
BIRC3	Bt.9391.2.S1_at	DOWN	1.9150044	baculoviral IAP repeat-containing 3
	Bt.13873.2.S1_at	DOWN	1.6400685	
DHDH	Bt.22630.2.A1_at	DOWN	1.5443854	dihydrodiol dehydrogenase (dimeric)
CEP72	Bt.27397.1.A1_at	DOWN	1.3296504	centrosomal protein 72kDa
SLC16A13	Bt.1207.2.S1_at	DOWN	1.3922777	solute carrier family 16, member 13 (monocarboxylic acid transporter
	Bt.27767.2.S1_at	DOWN	2.546678	
YPEL5	Bt.5748.3.S1_at	DOWN	1.6726696	Yippee-like 5 (Drosophila)
PIGN	Bt.27653.1.A1_a_at	DOWN	2.2763722	phosphatidylinositol glycan anchor biosynthesis, class N
PLLP	Bt.13265.2.S1_at	DOWN	2.265	plasma membrane proteolipid (plasmolipin)
BCL10	Bt.19656.1.S1_at	DOWN	1.3860075	B-cell CLL/lymphoma 10
PANK3	Bt.26736.2.S1_at	DOWN	1.4929794	pantothenate kinase 3
GPR89	Bt.25295.1.S1_at	DOWN	1.3866998	G protein-coupled receptor 89
SMPD3	Bt.21927.3.S1_at	DOWN	2.3046565	Sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)
PAK1	Bt.22106.2.S1_at	DOWN	1.8047193	p21 protein (Cdc42/Rac)-activated kinase 1
DYNLT3	Bt.13768.2.S1_at	DOWN	1.3862107	dynein, light chain, Tctex-type 3
	Bt.7553.1.S1_at	DOWN	2.456512	
	Bt.23544.1.S1_at	DOWN	1.4515166	
MARK1	Bt.13245.1.A1_at	DOWN	1.4962119	MAP/microtubule affinity-regulating kinase 1
	Bt.27867.3.S1_at	DOWN	1.9321696	
	Bt.14006.2.S1_at	DOWN	1.4160992	
	Bt.22004.1.A1_at	DOWN	2.6259136	
SLC39A2	Bt.1369.1.S1_at	DOWN	2.6909025	solute carrier family 39 (zinc transporter), member 2
	Bt.22654.1.A1_at	DOWN	1.5123042	
LRCH1	Bt.16499.3.S1_at	DOWN	1.4495103	Leucine-rich repeats and calponin homology (CH) domain containing 1
DSC2	Bt.13201.1.S1_at	DOWN	2.1595306	Desmocollin 2
	Bt.16347.1.S1_at	DOWN	2.055353	
INSIG2	Bt.20716.2.A1_at	DOWN	1.816409	insulin induced gene 2
ASCL2	Bt.9789.1.S1_at	DOWN	2.2503877	Achaete-scute complex homolog 2 (Drosophila)
LSM14A	Bt.24590.2.S1_at	DOWN	1.9980942	LSM14A, SCD6 homolog A (S. cerevisiae)
	Bt.24716.1.S1_at	DOWN	2.0946229	
	Bt.6576.1.S1_at	DOWN	1.5422465	
VPS37A	Bt.27829.2.S1_at	DOWN	1.4853678	vacuolar protein sorting 37 homolog A (S. cerevisiae)
AASS	Bt.5645.1.A1_at	DOWN	3.0189302	aminoadipate-semialdehyde synthase
MAD2L2	Bt.21336.2.S1_a_at	DOWN	1.7448395	MAD2 mitotic arrest deficient-like 2 (yeast)
COL4A5	Bt.16495.1.A1_at	DOWN	2.2972925	collagen, type IV, alpha 5
	Bt.10861.2.S1_at	DOWN	2.0184846	
MAL2	Bt.28686.2.S1_at	DOWN	1.9904476	Mal, T-cell differentiation protein 2
NAT12	Bt.6398.1.S1_at	DOWN	1.7734307	N-acetyltransferase 12 (GCN5-related, putative)
WDR41	Bt.16334.2.S1_a_at	DOWN	1.4454089	WD repeat domain 41
BCAT1	Bt.17278.3.S1_at	DOWN	1.5679525	branched chain aminotransferase 1, cytosolic
	Bt.21042.1.S1_at	DOWN	2.082613	
LOC100139988	Bt.25087.3.S1_at	DOWN	1.533183	similar to ras-like protein TC10
RIOK3	Bt.2004.1.A1_at	DOWN	1.4826286	RIO kinase 3 (yeast)
	Bt.1785.1.A1_at	DOWN	2.0591881	
PPM1M	Bt.4541.3.S1_a_at	DOWN	1.8674091	protein phosphatase 1M (PP2C domain containing)
MAGI3	Bt.22647.3.A1_at	DOWN	1.9675598	membrane associated guanylate kinase, WW and PDZ domain containing
	Bt.25331.1.A1_at	DOWN	2.4150856	
	Bt.1309.1.A1_at	DOWN	1.9983972	
RAB9A	Bt.3243.2.S1_a_at	DOWN	1.5854267	RAB9A, member RAS oncogene family
	Bt.8990.1.S1_at	DOWN	1.9216661	
NAALAD2	Bt.24664.1.S1_at	DOWN	1.6468974	N-acetylated alpha-linked acidic dipeptidase 2
ZNF688	Bt.11406.2.S1_at	DOWN	1.5949423	zinc finger protein 688
	Bt.19567.2.S1_at	DOWN	2.9192278	
MTUS1	Bt.8319.3.S1_a_at	DOWN	2.0433133	Mitochondrial tumor suppressor 1
MTUS1	Bt.8319.3.S1_at	DOWN	3.4798677	mitochondrial tumor suppressor 1
GCA	Bt.25269.1.S1_at	DOWN	2.1043274	Grancalcin, EF-hand calcium binding protein
PSAT1	Bt.13588.3.A1_at	DOWN	1.506411	phosphoserine aminotransferase 1
	Bt.10131.2.S1_at	DOWN	1.5798706	
	Bt.2099.1.S1_at	DOWN	2.2758303	
TEAD1	Bt.10088.1.A1_at	DOWN	1.39815	TEA domain family member 1 (SV40 transcriptional enhancer factor)
DCUN1D1	Bt.9326.1.S1_at	DOWN	1.5831845	DCN1, defective in cullin neddylation 1, domain containing 1 (S.
GATA2	Bt.6408.2.A1_at	DOWN	1.7018774	GATA binding protein 2
	Bt.21954.2.S1_at	DOWN	1.6542805	
ST7L	Bt.21229.1.S1_at	DOWN	2.907096	suppression of tumorigenicity 7 like
	Bt.25328.1.A1_at	DOWN	2.126751	
SFRS2IP	Bt.16448.2.A1_a_at	DOWN	1.3752378	splicing factor, arginine/serine-rich 2, interacting protein
	Bt.26473.1.A1_at	DOWN	1.38573	
SPPL2B	Bt.25648.1.A1_at	DOWN	1.3955346	signal peptide peptidase-like 2B
SLC25A21	Bt.17665.1.A1_at	DOWN	2.738625	solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member
	Bt.18780.2.A1_at	DOWN	2.4713051	
	Bt.24015.1.A1_at	DOWN	2.2921357	
CENPI	Bt.28352.2.A1_at	DOWN	1.9020066	centromere protein I
	Bt.25194.1.A1_at	DOWN	1.4899544	
PIP4K2A	Bt.18751.2.A1_s_at	DOWN	1.5236087	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha
	Bt.17041.1.A1_at	DOWN	1.7262179	

PHLPPL	Bt.17902.1.A1_at	DOWN	2.1306608	PH domain and leucine rich repeat protein phosphatase-like
	Bt.16464.1.A1_at	DOWN	1.7875037	
ATMIN	Bt.17313.1.A1_at	DOWN	1.565741	ATM interactor
LRRC48	Bt.16364.1.A1_at	DOWN	1.7046034	leucine rich repeat containing 48
SLC41A2	Bt.16730.1.A1_at	DOWN	1.7287033	solute carrier family 41, member 2
PTGS2	Bt.16478.1.A1_at	DOWN	1.7144657	Prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
CHL1	Bt.16523.1.A1_at	DOWN	2.7846613	Cell adhesion molecule with homology to L1CAM (close homolog of L1)
	Bt.16609.1.A1_at	DOWN	2.5448875	
LOC617120	Bt.16874.1.A1_at	DOWN	2.5515509	similar to Inactive phospholipase D5 (Inactive PLD 5) (Inactive choline phosphatase 5) (Inactive phosphatidylcholine-hydrolyzing phospholipase D5) (PLDc)
	Bt.17426.1.A1_at	DOWN	2.5590878	
CAMK1D	Bt.17491.1.A1_at	DOWN	2.4081929	calcium/calmodulin-dependent protein kinase ID
LOC100139162	Bt.18204.2.A1_at	DOWN	1.8400778	hypothetical protein LOC100139162
STAM2	Bt.19113.1.A1_at	DOWN	1.5798429	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2
GLA	Bt.19260.1.A1_at	DOWN	1.9953407	Galactosidase, alpha
LOC789017	Bt.20709.1.A1_at	DOWN	1.913058	similar to RAS-responsive element-binding protein 1 (RREB-1) (Raf-responsive zinc finger protein LZ321) (Zinc finger motif-enhancer binding-protein 1) (Zep-1) (Finger protein in nuclear bodies)
	Bt.20826.1.A1_at	DOWN	1.9996296	
	Bt.5957.1.S1_at	DOWN	1.8720183	
GPD1L	Bt.26619.1.S1_at	DOWN	1.6708905	Glycerol-3-phosphate dehydrogenase 1-like
SLC30A2	Bt.27827.1.S1_at	DOWN	2.4566028	solute carrier family 30 (zinc transporter), member 2
	Bt.21654.1.S1_at	DOWN	1.4951707	
	Bt.17041.2.S1_at	DOWN	1.7363013	
CCDC68	Bt.29424.1.S1_at	DOWN	1.7100822	Coiled-coil domain containing 68
	Bt.28724.1.A1_a_at	DOWN	1.5473074	
LOC504761	Bt.24560.1.S1_at	DOWN	1.954429	similar to LisH domain and HEAT repeat-containing protein KIAA1468
LOC539404	Bt.28297.1.A1_at	DOWN	1.5328752	similar to iron-responsive element binding protein 2
NPL	Bt.26155.1.A1_at	DOWN	1.8498793	N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase)
LOC784866	Bt.3754.1.A1_at	DOWN	1.7643416	hypothetical LOC784866
	Bt.17542.1.S1_at	DOWN	1.9327538	
	Bt.17155.1.A1_at	DOWN	1.5482779	
CLDN23	Bt.27959.1.S1_at	DOWN	1.8381035	claudin 23
	Bt.28642.1.A1_at	DOWN	2.0888162	
UBASH3B	Bt.29025.1.A1_at	DOWN	1.8995934	Similar to Ubiquitin associated and SH3 domain-containing protein B (Suppressor of T-cell receptor signaling 1) (STS-1) (Cbl-interacting protein p70)
	Bt.29442.1.A1_at	DOWN	1.5346532	
LIN37	Bt.29542.1.A1_at	DOWN	1.4775178	lin-37 homolog (C. elegans)
TPPP	Bt.20088.2.S1_a_at	DOWN	1.8996277	tubulin polymerization promoting protein
TMEM35	Bt.22696.1.A1_at	DOWN	2.197565	Transmembrane protein 35
PHF19	Bt.25573.1.A1_at	DOWN	2.6761653	PHD finger protein 19
MIPOL1	Bt.25621.1.A1_at	DOWN	1.7433462	mirror-image polydactyly 1
NARFL	Bt.25641.2.S1_at	DOWN	1.7562977	Nuclear prelamin A recognition factor-like
	Bt.25950.1.A1_at	DOWN	1.5183733	
ZNF341	Bt.26093.1.A1_at	DOWN	1.446594	zinc finger protein 341
GDPD1	Bt.26100.2.A1_at	DOWN	1.8472707	Glycerophosphodiester phosphodiesterase domain containing 1
TMEM5	Bt.26185.1.A1_at	DOWN	1.735596	transmembrane protein 5
	Bt.26744.1.A1_at	DOWN	2.0634499	
	Bt.27347.1.A1_at	DOWN	1.9300361	
	Bt.27519.1.A1_at	DOWN	2.5169463	
DLX4	Bt.27619.1.A1_at	DOWN	2.9055293	distal-less homeobox 4
STT3B	Bt.27800.1.A1_at	DOWN	1.7292409	STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae)
GBA	Bt.5413.3.A1_a_at	DOWN	2.2754405	glucosidase, beta; acid (includes glucosylceramidase)
LOC787360 /// YAP1	Bt.619.2.A1_at	DOWN	1.9184946	similar to 65 kDa Yes-associated protein (YAP65) /// Yes-associated protein 1, 65kDa
GTF2E1	Bt.9665.1.S1_at	DOWN	2.4537463	General transcription factor IIE, polypeptide 1, alpha 56kDa
ZMYM1	Bt.23760.1.A1_at	DOWN	1.8559005	zinc finger, MYM-type 1
	Bt.28910.1.A1_at	DOWN	2.0613391	
	Bt.23713.1.A1_at	DOWN	1.6910164	
	Bt.24008.1.A1_at	DOWN	1.4045124	
	Bt.23969.1.A1_at	DOWN	1.6760162	
	Bt.29229.1.A1_at	DOWN	1.899347	
ABLIM1	Bt.9778.2.S1_a_at	DOWN	1.7015798	actin binding LIM protein 1
	Bt.21480.1.A1_s_at	DOWN	1.5721424	
AGFG1	Bt.3414.3.A1_a_at	DOWN	1.4163909	ArfGAP with FG repeats 1
VAMP4	Bt.3549.1.A1_at	DOWN	1.7105784	vesicle-associated membrane protein 4
SACS	Bt.3817.1.A1_at	DOWN	1.9470422	spastic ataxia of Charlevoix-Saguenay (sacsin)
LOC526505 /// LOC785905	Bt.24642.1.A1_at	DOWN	1.5823374	similar to ankyrin repeat domain 26 /// similar to ankyrin repeat domain
	Bt.26402.1.A1_at	DOWN	1.7433736	
	Bt.25140.1.A1_at	DOWN	1.517549	
Slco4c1	Bt.25215.1.A1_at	DOWN	2.4812832	Organic anion transporting polypeptide 4c1
	Bt.25190.1.A1_at	DOWN	1.4077998	
CMTM4	Bt.22251.1.A1_at	DOWN	1.7132382	CKLF-like MARVEL transmembrane domain containing 4
MYST4	Bt.25224.1.A1_at	DOWN	1.825786	MYST histone acetyltransferase (monocytic leukemia) 4
	Bt.12726.1.A1_at	DOWN	2.8400655	
	Bt.25255.1.A1_at	DOWN	1.8121961	
PLCZ1	Bt.25264.1.A1_at	DOWN	2.3100262	phospholipase C, zeta 1
LOC505766	Bt.11349.1.A1_at	DOWN	1.8833276	similar to BMP-2-inducible protein kinase (BIKe)
	Bt.11454.1.A1_at	DOWN	2.7259054	
NCOA1	Bt.13313.2.S1_at	DOWN	2.4051728	nuclear receptor coactivator 1
	Bt.15554.1.A1_at	DOWN	2.06446	
SLC10A1	Bt.16250.3.S1_at	DOWN	2.3899658	Solute carrier family 10 (sodium/bile acid cotransporter family), member
CLEC4E	Bt.16271.2.A1_at	DOWN	2.4403644	C-type lectin domain family 4, member E
	Bt.16490.2.A1_at	DOWN	2.5151763	
COL4A5	Bt.16495.2.A1_at	DOWN	2.278356	collagen, type IV, alpha 5
MLXIPL	Bt.16543.2.A1_at	DOWN	1.8847967	MLX interacting protein-like
LOC505073	Bt.16594.2.A1_at	DOWN	1.4561754	Similar to hCG30195
	Bt.16671.1.A1_at	DOWN	2.0686407	
CCDC128	Bt.16756.1.A1_at	DOWN	1.5128543	Coiled-coil domain containing 128
	Bt.16928.1.A1_at	DOWN	2.244066	
	Bt.17079.2.A1_at	DOWN	1.4190787	
	Bt.17188.1.A1_at	DOWN	1.9913927	
PRRG4	Bt.17831.1.A1_at	DOWN	1.8197606	proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane)
	Bt.1785.2.A1_at	DOWN	2.0986552	
OSGIN1	Bt.18452.1.A1_at	DOWN	2.401217	oxidative stress induced growth inhibitor 1
ARSB	Bt.18689.2.A1_at	DOWN	1.6538556	arylsulfatase B
SERAC1	Bt.18739.1.A1_at	DOWN	1.7446427	Serine active site containing 1
	Bt.18767.2.A1_at	DOWN	1.7212758	
SMG7	Bt.18817.2.A1_at	DOWN	1.7381996	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)
	Bt.18882.1.A1_at	DOWN	1.4969633	
	Bt.19303.1.A1_at	DOWN	1.7704394	

	Bt.19332.2.A1_at	DOWN	1.482005	
	Bt.19495.1.A1_at	DOWN	2.5368953	
GCLM	Bt.19533.1.A1_at	DOWN	2.570409	Glutamate-cysteine ligase, modifier subunit
C3H1ORF210	Bt.19664.1.A1_at	DOWN	1.6081603	chromosome 1 open reading frame 210 ortholog
WDR47	Bt.19794.2.A1_at	DOWN	1.7486231	WD repeat domain 47
TRAM2	Bt.19823.1.A1_at	DOWN	2.4386225	Translocation associated membrane protein 2