

Tabelle 2: AP-IP Datensatz

Transcript_ID	gene_id	gene_symbol	gene_description	FC ret/norm
Bt.17213.1.A1_at; Bt.16250.1.A1_at; Bt.16250.2.S1_at; Bt.16250.3.S1_at	532890	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	31,6
Bt.3976.1.S1_at; Bt.10281.1.S1_at; Bt.26365.1.A1_at	404076	TKDP1	trophoblast Kunitz domain protein 1	20,2
Bt.19592.1.A1_at	516762	AQP9	aquaporin 9	9,2
Bt.9630.1.S1_at; Bt.28165.1.A1_at	511037	TMPRSS2	transmembrane protease, serine 2	7,9
Bt.190.1.A1_at	282259	IGFBP1	insulin-like growth factor binding protein 1	7,3
Bt.1798.1.S1_at	281909	MANBA	mannosidase, beta A, lysosomal	7,2
Bt.8143.1.S1_at	280873	MX2	myxovirus (influenza virus) resistance 2 (mouse)	7,0
Bt.27152.1.A1_at	532863	PI15	peptidase inhibitor 15	6,9
Bt.24467.1.S1_at	506415	RSAD2	radical S-adenosyl methionine domain containing 2	6,3
Bt.5373.1.S1_at	282470	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	6,2
Bt.155.1.S1_at	280828	IL8	interleukin 8	5,9
Bt.16738.1.A1_at	540417	IRX3	iroquois homeobox 3	5,8
Bt.28225.2.S1_at; Bt.28225.1.A1_at	534171	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1	5,7
Bt.2892.1.S1_at	777787	FABP7	fatty acid binding protein 7, brain	5,7
Bt.7165.1.S1_at	281735	CXCL5	chemokine (C-X-C motif) ligand 5	5,6
Bt.28934.1.S1_at	538751	AREGB	amphiregulin B	5,5
Bt.9636.1.S1_at	574092	SPINK1	serine peptidase inhibitor, Kazal type 1	5,4
Bt.17195.1.A1_at	100139670	IFIT1	interferon-induced protein with tetratricopeptide repeats 1	5,4
Bt.12304.1.S1_at	281871	ISG15	ISG15 ubiquitin-like modifier	5,3
Bt.22389.1.S1_at	617336	SHISA2	shisa homolog 2 (Xenopus laevis)	5,3
Bt.26685.1.S1_at	616007	HSPB3	heat shock 27kDa protein 3	5,0
Bt.3996.1.S1_at	539136	MEGF10	multiple EGF-like-domains 10	4,9
Bt.23505.1.S1_at; Bt.13330.2.A1_at; Bt.13330.1.S1_at	507367	PDK4	pyruvate dehydrogenase kinase, isozyme 4	4,9
Bt.28740.1.S1_at	767907	REG4	regenerating islet-derived family, member 4	4,9
Bt.20785.2.S1_at; Bt.17729.1.A1_at; Bt.19620.1.A1_at; Bt.20785.1.A1_at	508348	IFI44	interferon-induced protein 44	4,8
Bt.3985.1.S1_at	281739	CYP17A1	cytochrome P450, subfamily XVII	4,8
Bt.15788.3.S1_at; Bt.15788.1.S1_a_at	618737	BST2	bone marrow stromal cell antigen 2	4,7
Bt.4675.1.S1_a_at	280872	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	4,6
Bt.611.1.S2_at; Bt.16321.1.A1_at; Bt.610.1.A1_at; Bt.611.1.S1_at; Bt.611.1.S1_x_at	613667	CXCL2	chemokine (C-X-C motif) ligand 2	4,5
Bt.8436.1.S1_at	512913	IFI6	interferon, alpha-inducible protein 6	4,5
Bt.278.1.S1_at	281474	SAA3	serum amyloid A 3	4,5
Bt.16720.1.A1_at	540149	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	4,5
Bt.4310.1.A1_at	540836	RGS1	regulator of G-protein signaling 1	4,4
Bt.28960.1.A1_at; Bt.137.1.S1_at	282141	ANGPT2	angiopoietin 2	4,4
Bt.6362.1.A1_at	286879	LIPE	lipase, hormone-sensitive	4,4

Bt.25157.1.A1_at	508933	CCL27	chemokine (C-C motif) ligand 27	4,3
Bt.9699.1.S1_at	539047	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	4,3
Bt.440.1.S1_at	280881	NTS	neurotensin	4,2
Bt.5229.1.S1_at	281375	SERPINE1	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	4,2
Bt.27361.1.A1_at	789154	TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	4,2
Bt.22531.1.S1_at	618631	CDK3	cyclin-dependent kinase 3	4,1
Bt.27826.1.S1_at	506971	RASGEF1B	RasGEF domain family, member 1B	4,1
Bt.6404.1.S1_at	407241	KLF15	Kruppel-like factor 15	4,0
Bt.12930.1.S1_a_at	281512	TAC1	tachykinin, precursor 1	4,0
Bt.25111.1.A1_at	782879	IFI44L	interferon-induced protein 44-like	4,0
Bt.15675.1.S1_at	286806	ADAMTS4	ADAM metalloproteinase with thrombospondin type 1 motif, 4	4,0
Bt.27645.1.A1_at	506902	ISM1	isthmin 1 homolog (zebrafish)	3,9
Bt.4395.1.S1_at	515538	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	3,9
Bt.2723.1.A1_at	514462	CDO1	cysteine dioxygenase, type I	3,9
Bt.2278.1.S1_at	531420	GP2	glycoprotein 2 (zymogen granule membrane)	3,8
Bt.8997.1.S1_at	508333	ZBP1	Z-DNA binding protein 1	3,8
Bt.20922.1.S1_at; Bt.20891.1.S1_at	654488	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa	3,8
Bt.21537.1.A1_at	535704	FKBP5	FK506 binding protein 5	3,8
Bt.8962.3.S1_s_at; Bt.23233.1.S1_at; Bt.23233.2.S1_at; Bt.23233.3.A1_at	515202	USP18	ubiquitin specific peptidase 18	3,8
Bt.28208.1.S1_at	514066	FBP2	fructose-1,6-bisphosphatase 2	3,7
Bt.6449.1.S1_at	535185	FBLN5	fibulin 5	3,7
Bt.22275.1.A1_at	506604	ISG20	interferon stimulated exonuclease gene 20kDa	3,7
Bt.27087.1.A1_at	533681	TMEM156	transmembrane protein 156	3,7
Bt.18557.1.S1_at	507339	C7	complement component 7	3,6
Bt.4398.1.S1_at	281137	EDN1	endothelin 1	3,6
Bt.13985.1.S1_at	404170	PAICS	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	3,6
Bt.15912.1.S1_at	767910	PLAC8	placenta-specific 8	3,6
Bt.7043.2.S1_a_at	282118	VCAM1	vascular cell adhesion molecule 1	3,6
Bt.28062.1.S1_at	538437	GEM	GTP binding protein overexpressed in skeletal muscle	3,6
Bt.21196.2.S1_at	286850	GNG12	guanine nucleotide binding protein (G protein), gamma 12	3,5
Bt.28594.1.A1_at				3,5
Bt.9179.2.S1_at; Bt.9179.1.A1_at	509283	RNF213	ring finger protein 213	3,5
Bt.6021.2.S1_at; Bt.6021.1.S1_at	513841	PAMR1	peptidase domain containing associated with muscle regeneration 1	3,5
Bt.8400.1.A1_at	525888	TOX	thymocyte selection-associated high mobility group box	3,5
Bt.12314.1.S1_at	407183	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	3,5
Bt.6844.1.A1_at; Bt.5372.1.S1_at	281839	ICAM1	intercellular adhesion molecule 1	3,4
Bt.26654.1.S1_at	512520	FHAD1	forkhead-associated (FHA) phosphopeptide binding domain 1	3,4
Bt.9289.2.S1_at; Bt.9289.1.S1_at	506812	CPT1A	carnitine palmitoyltransferase 1A (liver)	3,4
Bt.17544.1.A1_at	507021	SLC25A30	solute carrier family 25, member 30	3,4

Bt.5599.1.S1_at; Bt.1142.1.S1_at	538565	GLIPR2	GLI pathogenesis-related 2	3,4
Bt.8674.1.A1_at; Bt.19025.1.S1_at; Bt.19025.2.A1_at; Bt.8508.1.A1_at	785086	CREB3L2	cAMP responsive element binding protein 3-like 2	3,3
Bt.18200.1.A1_at	535644	SEMA3E	semaphorin 3E	3,3
Bt.22021.1.S1_at	506759	IFI16	interferon, gamma-inducible protein 16	3,3
Bt.7524.1.A1_at	616756	SIX3	SIX homeobox 3	3,3
Bt.29044.1.S1_at	783855	TIFA	TRAF-interacting protein with forkhead-associated domain	3,3
Bt.1404.2.S1_at; Bt.1404.1.S1_at	514631	CDCA7L	cell division cycle associated 7-like	3,2
Bt.29347.1.A1_at	505890	ADAMDEC1	ADAM-like, decysin 1	3,2
Bt.20236.1.S1_at	507654	ADAMTSL4	ADAMTS-like 4	3,2
Bt.13723.1.S1_at	521920	SULT1B1	sulfotransferase family, cytosolic, 1B, member 1	3,2
Bt.14371.1.A1_at	535665	SLC22A3	solute carrier family 22 (extraneuronal monoamine transporter), member 3	3,2
Bt.28648.1.S1_at	617606	DEPDC6	DEP domain containing 6	3,2
Bt.27364.1.S1_at	518283	PTAFR	platelet-activating factor receptor	3,2
Bt.5878.2.S1_at; Bt.5878.1.A1_at	514346	SDS	serine dehydratase	3,1
Bt.5889.1.S1_at; Bt.26650.1.S1_at	524220	RBM24	RNA binding motif protein 24	3,1
Bt.24919.1.S1_at	522767	NTN1	netrin 1	3,1
Bt.24813.3.S1_at; Bt.24813.1.A1_at; Bt.24813.2.S1_at	532442	RTP4	receptor (chemosensory) transporter protein 4	3,1
Bt.141.2.S1_a_at	286841	MUC12	mucin 12, cell surface associated	3,1
Bt.25663.1.A1_at	535744	CPNE8	copine VIII	3,1
Bt.23659.1.S1_at	282353	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	3,1
Bt.27474.1.S1_at	511001	CLEC4F	C-type lectin domain family 4, member F	3,1
Bt.6038.1.S1_at	539759	SIGLEC1	sialic acid binding Ig-like lectin 1, sialoadhesin	3,1
Bt.12891.1.S1_at	505165	RRAD	Ras-related associated with diabetes	3,1
Bt.24977.1.A1_at	508204	GREB1	growth regulation by estrogen in breast cancer 1	3,0
Bt.21849.1.S1_at	511222	ACADS	acyl-CoA dehydrogenase, C-2 to C-3 short chain	3,0
Bt.26815.1.S1_at; Bt.17104.1.A1_at; Bt.26225.1.A1_at	616564	SSBP2	single-stranded DNA binding protein 2	3,0
Bt.5392.1.S1_at	281052	CD36	CD36 molecule (thrombospondin receptor)	3,0
Bt.28440.1.S1_at	507534	LOC507534	similar to Uncharacterized protein KIAA0513	3,0
Bt.2881.1.S1_at	515033	NDRG4	NDRG family member 4	3,0
Bt.27101.1.S1_at	540901	PRRX1	paired related homeobox 1	3,0
Bt.16514.1.S1_at; Bt.13224.1.A1_at	510156	CYP4V2	cytochrome P450, family 4, subfamily V, polypeptide 2	3,0
Bt.24309.1.A1_at; Bt.23267.1.S1_at	404179	LYVE1	lymphatic vessel endothelial hyaluronan receptor 1	3,0
Bt.25285.1.A1_at; Bt.12750.1.S1_at; Bt.19097.1.A1_at; Bt.19097.2.S1_at; Bt.24096.1.A1_at	281239	IGF1	insulin-like growth factor 1 (somatomedin C)	2,9
Bt.25657.1.S1_at	615926	GULP1	GULP, engulfment adaptor PTB domain containing 1	2,9
Bt.13482.2.S1_at; Bt.13482.1.S1_at	505727	NOV	nephroblastoma overexpressed	2,9
Bt.13975.2.A1_at; Bt.12718.1.A1_at; Bt.13975.1.S1_a_at	613972	APOD	apolipoprotein D	2,9

Bt.20733.1.S1_at; Bt.15900.1.A1_at; Bt.15900.2.S1_at	532836	AHCYL2	adenosylhomocysteinase-like 2	2,9
Bt.24379.1.A1_at	534414	NTM	neurotrimin	2,9
Bt.11413.1.S1_at	538050	RAB7B	RAB7B, member RAS oncogene family	2,9
Bt.23521.1.S1_at	533896	DUSP26	dual specificity phosphatase 26 (putative)	2,9
Bt.19095.1.S1_at	494548	DIO2	deiodinase, iodothyronine, type II	2,9
Bt.11259.1.S1_at	507138	IFI27	putative ISG12(a) protein	2,9
Bt.24033.1.A1_at	504760	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	2,9
Bt.24292.1.S1_at; Bt.23818.1.A1_at	513996	ACOX1	acyl-CoA oxidase 1, palmitoyl	2,8
Bt.4285.1.S1_at; Bt.13789.1.A1_at	281048	CD14	CD14 molecule	2,8
Bt.3196.1.S1_at	515911	STRA6	stimulated by retinoic acid gene 6 homolog (mouse)	2,8
Bt.8371.1.S1_at	533181	LRP2	low-density lipoprotein receptor-related protein 2-like	2,8
Bt.28561.1.S1_at	535622	MAP3K8	mitogen-activated protein kinase kinase kinase 8	2,8
Bt.10587.1.S1_at	615012	MAN1C1	mannosidase, alpha, class 1C, member 1	2,8
Bt.22390.3.A1_at; Bt.12610.1.A1_at; Bt.22390.2.S1_at	514194	CP	ceruloplasmin (ferroxidase)	2,8
Bt.7141.1.S1_at; Bt.4447.2.S1_a_at	281740	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1	2,8
Bt.1983.1.S1_at	508459	EMR1	rCG45058-like	2,8
Bt.28008.1.S1_s_at	404177	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	2,8
Bt.22230.1.S1_at	517451	ZDHHC14	zinc finger, DHHC-type containing 14	2,8
Bt.16896.1.A1_at; Bt.12961.1.A1_at	281422	PRLR	prolactin receptor	2,8
Bt.12600.1.S1_at	539051	TUB	tubby homolog (mouse)	2,8
Bt.20559.2.A1_at; Bt.20559.1.S1_at	523889	ATP13A3	ATPase type 13A3	2,8
Bt.22282.1.S1_at	521387	TRAPPC10	trafficking protein particle complex 10	2,7
Bt.16114.1.S1_at	782825	GCNT4	glucosaminyl (N-acetyl) transferase 4, core 2	2,7
Bt.9779.1.S1_at	617420	ISG12(B)	similar to TLH29 protein precursor	2,7
Bt.21197.1.A1_at	506059	ACSL6	acyl-CoA synthetase long-chain family member 6	2,7
Bt.11302.1.A1_at	781257	MTCH1	mitochondrial carrier homolog 1 (C. elegans)	2,7
Bt.601.1.S1_at; Bt.23883.1.A1_at	281195	GLCE	glucuronic acid epimerase	2,7
Bt.28624.1.S1_at	514205	SAMD9	sterile alpha motif domain containing 9	2,7
Bt.21113.1.S1_a_at	509459	CPT1B	carnitine palmitoyltransferase 1B (muscle)	2,7
Bt.28651.1.S1_at	538697	STARD13	StAR-related lipid transfer (START) domain containing 13	2,7
Bt.24157.1.A1_at; Bt.13546.1.A1_at; Bt.13546.2.S1_at; Bt.21102.1.S1_at	518368	PARM1	prostate androgen-regulated mucin-like protein 1	2,7
Bt.9722.1.S1_at	510523	TMEM154	transmembrane protein 154	2,7
Bt.10398.1.S1_at	541148	PTX3	pentraxin 3, long	2,7
Bt.16220.1.S1_at	538491	TMEM178	transmembrane protein 178	2,7
Bt.4816.1.S1_at	509963	ANGPTL4	angiopoietin-like 4	2,7
Bt.28569.1.S1_at	281972	PDE5A	phosphodiesterase 5A, cGMP-specific	2,7
Bt.26157.1.A1_at	493645	C5AR1	complement component 5a receptor 1	2,7
Bt.2186.1.S1_at; Bt.17229.1.A1_at	539807	ZNFX1	zinc finger, NFX1-type containing 1	2,7
Bt.13028.1.S1_at	281960	POSTN	periostin, osteoblast specific factor	2,7
Bt.462.1.S1_at	282463	PRKAR2B	protein kinase, cAMP-dependent, regulatory, type II, beta	2,7
Bt.24902.1.S1_at	540358	TPBG	trophoblast glycoprotein	2,7

Bt.4714.1.S1_at	282871	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	2,7
Bt.7184.1.S1_at	540421	ARAF	v-raf murine sarcoma 3611 viral oncogene homolog	2,7
Bt.24098.1.A1_at; Bt.16857.1.A1_at	535490	IFIH1	interferon induced with helicase C domain 1	2,7
Bt.27379.1.A1_at	509585	CXCR7	chemokine (C-X-C motif) receptor 7	2,6
Bt.5301.2.S1_a_at	281530	THBS1	thrombospondin 1	2,6
Bt.21938.1.S1_at; Bt.18459.2.A1_at	522509	PDE7B	phosphodiesterase 7B	2,6
Bt.18009.1.A1_at	618107	C8H8orf13	chromosome 8 open reading frame 13 ortholog	2,6
Bt.26453.1.S1_at	785489	MBOAT2	membrane bound O-acyltransferase domain containing 2	2,6
Bt.17173.1.A1_at	528877	NR4A3	nuclear receptor subfamily 4, group A, member 3	2,6
Bt.7651.1.S1_at	511852	ASB11	ankyrin repeat and SOCS box-containing 11	2,6
Bt.4371.1.S1_at	618405	GADD45B	growth arrest and DNA-damage-inducible, beta	2,6
Bt.27822.2.S1_at; Bt.27822.1.A1_at	508836	SNX10	sorting nexin 10	2,6
Bt.21518.1.S1_at	529156	SIK1	salt-inducible kinase 1	2,6
Bt.9202.1.S1_at; Bt.19204.1.S1_at	511711	FGL2	fibrinogen-like 2	2,6
Bt.9208.1.S1_at	404547	TREM1	triggering receptor expressed on myeloid cells 1	2,6
Bt.12650.1.S1_at	538957	TGFB3	transforming growth factor, beta 3	2,6
Bt.27564.1.A1_at	508378	LGP2	RNA helicase LGP2	2,6
Bt.10185.1.S1_at	787270	THEM4	thioesterase superfamily member 4	2,6
Bt.22443.1.A1_at	782067	PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1	2,6
Bt.25788.1.S1_at; Bt.17573.1.A1_at	534401	ZBTB16	zinc finger and BTB domain containing 16	2,6
Bt.27778.1.A1_at	534101	BMPER	BMP binding endothelial regulator	2,6
Bt.5941.1.S1_at	512180	LOC512180	similar to Uncharacterized calcium-binding protein KIAA0494	2,6
Bt.3722.1.S1_at				2,5
Bt.19093.1.S1_at	535075	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	2,5
Bt.7537.1.S1_at	615936	AUTS2	autism susceptibility candidate 2	2,5
Bt.27339.2.S1_at	536741	MME	membrane metallo-endopeptidase	2,5
Bt.17477.1.A1_at	617450	LRP11	low density lipoprotein receptor-related protein 11	2,5
Bt.19423.1.S1_at; Bt.19423.2.S1_at	535379	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	2,5
Bt.8957.1.S1_at	281736	CXCR4	chemokine (C-X-C motif) receptor 4	2,5
Bt.5986.2.S1_a_at	282233	FLT3LG	fms-related tyrosine kinase 3 ligand	2,5
Bt.19295.2.S1_at	538827	APOLD1	apolipoprotein L domain containing 1	2,5
Bt.24238.1.A1_at	539997	MPEG1	macrophage expressed 1	2,5
Bt.4734.1.S1_at; Bt.22076.1.A1_at	281789	GNA14	guanine nucleotide binding protein (G protein), alpha 14	2,5
Bt.22978.2.S1_at; Bt.22978.1.S1_a_at	353510	IFITM1	interferon induced transmembrane protein 1 (9-27)	2,5
Bt.29928.1.S1_at	512652	SSH2	slingshot homolog 2 (Drosophila)	2,5
Bt.28258.1.S1_at	507526	CDH17	cadherin 17, LI cadherin (liver-intestine)	2,5
Bt.6785.1.A1_at	534994	ARHGAP25	Rho GTPase activating protein 25	2,5
Bt.5328.1.S1_at	529878	CCDC69	coiled-coil domain containing 69	2,5
Bt.22130.1.S1_at	515091	IFIT5	interferon-induced protein with tetratricopeptide repeats 5	2,5
Bt.18280.1.S1_at	513844	SPON2	spondin 2, extracellular matrix protein	2,5
Bt.27816.2.S1_at; Bt.27816.2.S1_a_at	518234	STAC3	SH3 and cysteine rich domain 3	2,5
Bt.19959.2.A1_at; Bt.19959.1.S1_at	505317	TRPA1	transient receptor potential cation channel, subfamily A, member 1	2,5
Bt.28162.3.S1_at; Bt.28162.1.S1_at; Bt.28162.2.A1_at	100125240	PLN	phospholamban	2,5

Bt.3046.1.S1_at	504492	SNAI1	snail homolog 1 (Drosophila)	2,5
Bt.3683.1.S1_at	282208	CSN1S1	casein alpha s1	2,5
Bt.6630.1.S1_at	534583	CNN1	calponin 1, basic, smooth muscle	2,5
Bt.2519.1.S1_at	281408	PLAU	plasminogen activator, urokinase	2,5
Bt.11725.1.A1_at	510003	NEDD4L	neural precursor cell expressed, developmentally down-regulated 4-like	2,5
Bt.4482.2.S1_at	281311	MSR1	macrophage scavenger receptor 1	2,5
Bt.10458.2.S1_at; Bt.10458.1.A1_at	513774	AKAP12	A kinase (PRKA) anchor protein 12	2,5
Bt.5494.1.S1_at	281057	CD44	CD44 molecule (Indian blood group)	2,5
Bt.26789.1.A1_at	520704	PREX2	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 2	2,5
Bt.521.1.S1_at	281778	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2	2,5
Bt.22411.1.A1_at	615761	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	2,5
Bt.16188.2.S1_at; Bt.16188.1.S1_at	768230	CYYR1	cysteine/tyrosine-rich 1	2,5
Bt.4293.1.S1_at	281840	ICAM3	intercellular adhesion molecule 3	2,5
Bt.28390.1.S1_at	100125309	TSC22D3	TSC22 domain family, member 3	2,5
Bt.12297.1.S1_at	281904	LOXL4	lysyl oxidase-like 4	2,5
Bt.9736.1.S1_at	512548	SLPI	secretory leukocyte peptidase inhibitor	2,5
Bt.9027.1.S1_at	282291	NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	2,4
Bt.1052.1.A1_at	506132	CH25H	cholesterol 25-hydroxylase	2,4
Bt.2529.1.S1_at; Bt.23042.1.S1_at	404070	MT2A	metallothionein 2A	2,4
Bt.19247.1.S1_at; Bt.12959.1.S1_at	783020	SULT1C4	sulfotransferase family, cytosolic, 1C, member 4	2,4
Bt.27563.1.A1_at	538576	OSBPL11	oxysterol binding protein-like 11	2,4
Bt.2556.1.S1_at; Bt.22672.1.A1_at	512259	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	2,4
Bt.20249.1.S1_a_at	526059	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	2,4
Bt.1807.1.A1_at	534526	PAK3	p21 protein (Cdc42/Rac)-activated kinase 3	2,4
Bt.20014.1.S1_at; Bt.18316.1.A1_at; Bt.18316.2.S1_at	513587	LRF	luman-recruiting factor	2,4
Bt.16478.1.A1_at; Bt.15758.1.S1_at	282023	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	2,4
Bt.27938.1.A1_at	536203	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	2,4
Bt.12654.1.S1_at	534427	EGFLAM	EGF-like, fibronectin type III and laminin G domains	2,4
Bt.4374.1.S1_at; Bt.18843.1.A1_at	530005	WNT5A	wingless-type MMTV integration site family, member 5A	2,4
Bt.27142.1.A1_at; Bt.13036.1.S1_at; Bt.13993.1.A1_at; Bt.13993.2.S1_at	280895	PGR	progesterone receptor	2,4
Bt.3211.1.S2_at; Bt.3211.1.S1_at	338472	GABARAPL1	GABA(A) receptor-associated protein like 1	2,4
Bt.12916.1.S1_at	281210	GPX3	glutathione peroxidase 3 (plasma)	2,4
Bt.24695.1.S1_at; Bt.1770.2.A1_at	515860	PXDN	peroxidasin homolog (Drosophila)	2,4
Bt.7081.2.S1_at; Bt.23655.1.S1_at	505285	PTPRE	protein tyrosine phosphatase, receptor type, E	2,4
Bt.26895.2.S1_at; Bt.26895.1.S1_at	521099	LOC521099	similar to family with sequence similarity 20, member A	2,4
Bt.29107.1.S1_at; Bt.19965.1.S1_at	516747	ARMCX3	armadillo repeat containing, X-linked 3	2,4

Bt.20784.1.A1_at; Bt.14572.1.A1_at	613449	DCLK1	doublecortin-like kinase 1	2,4
Bt.23089.1.S1_at; Bt.20836.1.S1_at	783547	MRC1	mannose receptor, C type 1	2,4
Bt.23558.1.S1_at; Bt.12691.1.A1_at	538419	EPS8	epidermal growth factor receptor pathway substrate 8	2,4
Bt.19629.2.S1_at	507165	HSPH1	heat shock 105kDa/110kDa protein 1	2,4
Bt.13429.1.S1_at	493724	NP	nucleoside phosphorylase	2,4
Bt.16012.1.S1_at	280805	GHR	growth hormone receptor	2,4
Bt.27927.1.S1_at; Bt.18418.1.A1_at	532674	GPR116	G protein-coupled receptor 116	2,4
Bt.21773.1.A1_at; Bt.16350.2.A1_s_at	516949	GBP5	guanylate binding protein 5	2,4
Bt.1942.1.S1_at	281983	PLAUR	plasminogen activator, urokinase receptor	2,4
Bt.9500.1.S1_a_at; Bt.18873.1.A1_at; Bt.20858.1.S1_at	614555	EPSTI1	epithelial stromal interaction 1 (breast)	2,4
Bt.9807.3.S1_at; Bt.9807.1.S1_at; Bt.9807.2.S1_at	509600	GPNUMB	glycoprotein (transmembrane) numb	2,4
Bt.9296.1.A1_at; Bt.24012.1.A1_at	511531	LOC511531	similar to guanylate binding protein 1	2,4
Bt.9578.1.S1_at	282318	PPP1CC	protein phosphatase 1, catalytic subunit, gamma isozyme	2,4
Bt.22467.1.S1_at	541305	NR5A2	nuclear receptor subfamily 5, group A, member 2	2,4
Bt.6958.3.A1_at; Bt.26692.1.S1_a_at	615342	BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	2,4
Bt.29942.1.S1_at; Bt.24928.1.S1_at	504954	FILIP1L	filamin A interacting protein 1-like	2,3
Bt.14676.1.S1_at	540789	PARP14	poly (ADP-ribose) polymerase family, member 14	2,3
Bt.21528.1.A1_at	280852	MDK	midkine (neurite growth-promoting factor 2)	2,3
Bt.3923.1.S1_at	516536	C1H21ORF63	chromosome 21 open reading frame 63 ortholog	2,3
Bt.27314.2.S1_at; Bt.27314.1.A1_at	781153	FAM108B1	family with sequence similarity 108, member B1	2,3
Bt.8492.1.A1_at; Bt.649.1.S1_at	513412	JAM3	junctional adhesion molecule 3	2,3
Bt.8798.1.S1_at	507093	ALDH1A3	aldehyde dehydrogenase 1 family, member A3	2,3
Bt.2717.1.A1_at	508882	FAP	fibroblast activation protein, alpha	2,3
Bt.11324.1.A1_s_at	359712	COL12A1	collagen, type XII, alpha 1	2,3
Bt.3178.1.A1_at	534626	GRIA3	glutamate receptor, ionotropic, AMPA 3	2,3
Bt.3225.2.S1_at; Bt.3225.1.S1_at	506423	SLC37A4	solute carrier family 37 (glucose-6-phosphate transporter), member 4	2,3
Bt.20977.3.S1_at	538508	CCPG1	cell cycle progression 1	2,3
Bt.8820.1.S1_a_at	508445	HCLS1	hematopoietic cell-specific Lyn substrate 1	2,3
Bt.9832.1.S1_at; Bt.9832.1.S1_a_at	616088	MUSTN1	musculoskeletal, embryonic nuclear protein 1	2,3
Bt.3036.2.A1_at	614391	SORBS2	sorbin and SH3 domain containing 2	2,3
Bt.21215.2.S1_at	506721	PITX2	paired-like homeodomain 2	2,3
Bt.1491.1.S1_at	767827	C1S	complement component 1, s subcomponent	2,3
Bt.24802.2.S1_a_at; Bt.15616.1.S1_at	510085	SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)	2,3
Bt.12533.1.S1_at	282605	FAM13A1	family with sequence similarity 13, member A1	2,3
Bt.11525.3.S1_at; Bt.11525.1.S1_a_at; Bt.11525.2.A1_at	614417	RBPMS	RNA binding protein with multiple splicing	2,3
Bt.7157.1.S1_at	286772	NPC1	Niemann-Pick disease, type C1	2,3
Bt.15864.1.S1_at	281161	FGF2	fibroblast growth factor 2 (basic)	2,3
Bt.2294.1.S1_a_at	497204	UBA7	ubiquitin-like modifier activating enzyme 7	2,3
Bt.5395.1.S1_a_at	282662	VCAN	versican	2,3

Bt.8690.1.S1_at	783000	PLEKHB2	pleckstrin homology domain containing, family B (evectins) member 2	2,3
Bt.21117.1.S1_at	514257	LOC514257	hypothetical LOC514257	2,3
Bt.26695.2.A1_at	507857	ICOSLG	inducible T-cell co-stimulator ligand	2,3
Bt.21861.2.A1_at	525909	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	2,3
Bt.28238.1.A1_at	540329	PPM1K	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1K	2,3
Bt.20700.1.A1_at; Bt.11998.1.S1_at	514175	TMEM144	transmembrane protein 144	2,3
Bt.21869.1.S1_at	537017	LOC537017	similar to cytidine monophosphate-N-acetylneuraminic acid hydroxylase	2,3
Bt.5447.1.S1_at	281357	NPR2	natriuretic peptide receptor B/guanylate cyclase B (atriuretic peptide receptor B)	2,3
Bt.5525.1.S1_at	524222	ECM1	extracellular matrix protein 1	2,3
Bt.28110.1.S1_at	615467	LRRC32	leucine rich repeat containing 32	2,3
Bt.7788.1.S1_at	515235	CCDC80	coiled-coil domain containing 80	2,3
Bt.26405.1.A1_at	538442	MORF4L2	mortality factor 4 like 2	2,3
Bt.25393.1.A1_at; Bt.172.1.S1_at	282235	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	2,3
Bt.4653.1.S2_at; Bt.4653.1.S1_at	282303	PECAM1	platelet/endothelial cell adhesion molecule	2,3
Bt.20234.1.S1_at	510926	TMEM119	transmembrane protein 119	2,3
Bt.27747.1.A1_at	515706	TDRKH	tudor and KH domain containing	2,3
Bt.15697.2.S1_at; Bt.15697.1.A1_at	512237	PER2	period homolog 2 (Drosophila)	2,3
Bt.13118.1.S1_at; Bt.12067.1.S1_at	281600	ADAM9	ADAM metallopeptidase domain 9	2,3
Bt.15713.1.A1_at	518658	PLEK	pleckstrin	2,3
Bt.7130.1.S1_at; Bt.15957.1.S1_at	534774	BACE2	beta-site APP-cleaving enzyme 2	2,3
Bt.28530.1.A1_at	529462	LOC529462	hypothetical LOC529462	2,3
Bt.25378.1.A1_at	407230	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	2,3
Bt.1031.1.S1_at	510524	CTSH	cathepsin H	2,3
Bt.5403.1.S1_at; Bt.23809.1.A1_s_at	280960	XDH	xanthine dehydrogenase	2,3
Bt.13604.1.S1_at	510907	ADAM19	ADAM metallopeptidase domain 19	2,3
Bt.10897.1.S1_at	536901	CDYL2	chromodomain protein, Y-like 2	2,3
Bt.19972.1.S1_at	521181	SLC15A1	solute carrier family 15 (oligopeptide transporter), member 1	2,3
Bt.12745.3.S1_at; Bt.12745.1.A1_at; Bt.12745.2.A1_at	510080	ANTXR2	anthrax toxin receptor 2	2,3
Bt.27433.2.A1_at; Bt.27433.1.S1_at	533332	RAB38	RAB38, member RAS oncogene family	2,3
Bt.8617.1.S1_at	539715	CNRIP1	cannabinoid receptor interacting protein 1	2,3
Bt.17212.1.A1_at	532713	CAMK2D	calcium/calmodulin-dependent protein kinase II delta	2,3
Bt.8803.1.A1_at	511581	C1R	complement component 1, r subcomponent	2,2
Bt.12295.1.S1_at	509732	PDPN	podoplanin	2,2
Bt.29099.1.S1_at	407131	CD80	CD80 molecule	2,2
Bt.22477.1.S1_at	538575	PRSS23	protease, serine, 23	2,2
Bt.23664.1.S1_at	527211	SMOX	spermine oxidase	2,2
Bt.9855.1.S1_at	515553	SLC25A34	solute carrier family 25, member 34	2,2
Bt.13825.1.A1_at	523441	CLASP1	cytoplasmic linker associated protein 1	2,2
Bt.10814.1.S1_at	526585	F2R	coagulation factor II (thrombin) receptor	2,2
Bt.1377.1.S1_at	407771	CCR1	chemokine (C-C motif) receptor 1	2,2
Bt.22034.1.S1_at	618454	LOC618454	similar to Uncharacterized protein C1orf115 homolog	2,2
Bt.5774.2.S1_at	281148	ETS2	v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)	2,2
Bt.23373.1.S1_at	528390	NR4A1	nuclear receptor subfamily 4, group A, member 1	2,2

Bt.1929.1.S1_at	540234	LOC540234	similar to mCG11933	2,2
Bt.12678.1.A1_at	529873	CADM1	cell adhesion molecule 1	2,2
Bt.3247.1.S1_at	781953	MATN2	matrilin 2	2,2
Bt.17579.1.A1_at	539619	LRRN1	leucine rich repeat neuronal 1	2,2
Bt.8117.1.S1_at	618601	ULK2	unc-51-like kinase 2 (C. elegans)	2,2
Bt.20732.1.A1_at	537654	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	2,2
Bt.24124.1.A1_at; Bt.13108.1.A1_at	286805	ADAMTS5	ADAM metalloproteinase with thrombospondin type 1 motif, 5	2,2
Bt.7240.1.S1_at	781648	LAP3	leucine aminopeptidase 3	2,2
Bt.4209.2.S1_at; Bt.4209.2.S1_a_at	280677	C3	complement component 3	2,2
Bt.23514.1.S1_at	513856	A2M	alpha-2-macroglobulin	2,2
Bt.5001.1.A1_at	767861	VOPP1	EGFR-coamplified and overexpressed protein	2,2
Bt.19352.1.A1_at	513113	ARL11	ADP-ribosylation factor-like 11	2,2
Bt.3980.1.S1_at	281478	SCIN	scinderin	2,2
Bt.26417.1.A1_at; Bt.13214.1.S1_at; Bt.21482.1.A1_at; Bt.21482.2.S1_at; Bt.21482.3.A1_at	538384	PRDM1	PR domain containing 1, with ZNF domain	2,2
Bt.17862.1.A1_at	281793	GNAS	GNAS complex locus	2,2
Bt.27824.2.S1_at	613549	VGLL1	vestigial like 1 (Drosophila)	2,2
Bt.355.1.S1_at	281660	CALD1	caldesmon 1	2,2
Bt.7046.2.S1_a_at; Bt.7046.1.S1_at	281915	MMP14	matrix metalloproteinase 14 (membrane-inserted)	2,2
Bt.17999.3.A1_a_at; Bt.17999.2.A1_at	506088	ICAM2	intercellular adhesion molecule-2-like	2,2
Bt.25169.1.A1_at	536784	PLCXD2	phosphatidylinositol-specific phospholipase C, X domain containing 2	2,2
Bt.20662.1.A1_at; Bt.12217.1.S1_at; Bt.12217.3.A1_at	505824	NTRK2	neurotrophic tyrosine kinase, receptor, type 2	2,2
Bt.17305.1.A1_at	613334	FMR1NB	fragile X mental retardation 1 neighbor	2,2
Bt.15968.1.S1_at	539139	KLF9	Kruppel-like factor 9	2,2
Bt.19884.2.S1_at; Bt.19884.1.A1_at	515900	PLA1A	phospholipase A1 member A	2,2
Bt.1057.1.S1_at	784766	RBMS3	RNA binding motif, single stranded interacting protein 3	2,2
Bt.19382.1.S1_at	614460	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1	2,2
Bt.7281.1.S1_at	617293	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	2,2
Bt.5136.1.S1_at; Bt.2537.2.S1_at	282094	TIMP3	TIMP metalloproteinase inhibitor 3	2,2
Bt.13780.1.A1_at	507095	SPRY1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	2,2
Bt.3778.1.S1_at	526461	IFITM5	interferon induced transmembrane protein 5	2,2
Bt.26223.1.S1_at	528597	ABTB2	ankyrin repeat and BTB (POZ) domain containing 2	2,2
Bt.8781.1.S1_at	530101	GFPT2	glutamine-fructose-6-phosphate transaminase 2	2,2
Bt.2418.1.S1_at	535136	DIP2C	DIP2 disco-interacting protein 2 homolog C (Drosophila)	2,2
Bt.11581.1.S1_at	507790	PF4	platelet factor 4	2,2
Bt.11126.1.S1_at	510960	LCAT	lecithin-cholesterol acyltransferase	2,2
Bt.21428.1.S1_at	528498	JMY	junction mediating and regulatory protein, p53 cofactor	2,2
Bt.26249.1.A1_at	511553	LOC511553	similar to Uncharacterized protein C18orf1	2,2
Bt.20942.1.S1_at	100138311	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	2,2
Bt.24258.2.S1_at	530027	MAN1A1	mannosidase, alpha, class 1A, member 1	2,2

Bt.19167.1.A1_at	532631	ANKS1A	ankyrin repeat and sterile alpha motif domain containing 1A	2,2
Bt.21981.3.S1_at; Bt.21981.1.A1_at	616010	ANTXR1	anthrax toxin receptor 1	2,2
Bt.632.1.S1_s_at; Bt.632.1.S1_at	282092	TIMP1	TIMP metalloproteinase inhibitor 1	2,2
Bt.22697.1.A1_at	508193	SLC39A8	solute carrier family 39 (zinc transporter), member 8	2,2
Bt.9966.2.S1_a_at	282192	COL5A2	collagen, type V, alpha 2	2,2
Bt.13478.1.A1_at	618089	LSM10	LSM10, U7 small nuclear RNA associated	2,2
Bt.24859.2.S1_at; Bt.22083.2.S1_at	514720	OSMR	oncostatin M receptor	2,2
Bt.17926.1.A1_at	281105	CTSB	cathepsin B	2,2
Bt.13211.1.A1_at; Bt.12510.3.S1_at	100335527	LOC100335527	hypothetical protein LOC100335527	2,2
Bt.20512.2.S1_at	100139730	COL15A1	collagen, type XV, alpha 1	2,2
Bt.287.1.S1_at	282341	RNASE6	ribonuclease, RNase A family, k6	2,2
Bt.9549.1.S1_at	281270	HOPX	HOP homeobox	2,2
Bt.23668.1.A1_at	407219	MITF	microphthalmia-associated transcription factor	2,2
Bt.20272.1.S1_at	538515	MGC143103	hypothetical LOC538515	2,2
Bt.5630.1.S1_at; Bt.18951.1.S1_at; Bt.18951.2.S1_at	505995	RDH11	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	2,2
Bt.22371.2.S1_at	280863	MOG	myelin oligodendrocyte glycoprotein	2,2
Bt.24940.1.A1_at; Bt.12760.1.S1_at	281867	INHBA	inhibin, beta A	2,2
Bt.17230.1.A1_at	407193	train A	pancreatic ribonuclease-like	2,2
Bt.18234.1.S1_at	100140740	IGSF6	immunoglobulin superfamily, member 6	2,2
Bt.20822.1.A1_at	515040	ZHX2	zinc fingers and homeoboxes 2	2,2
Bt.27978.1.S1_at	407124	ITGAM	integrin, alpha M (complement component 3 receptor 3 subunit)	2,2
Bt.23494.1.S1_at	516399	UGGT2	UDP-glucose glycoprotein glucosyltransferase 2	2,2
Bt.12774.1.S1_at	282868	SLC2A5	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	2,2
Bt.14570.1.A1_at	506219	ABAT	4-aminobutyrate aminotransferase	2,1
Bt.28439.1.S1_a_at	528926	LY9	lymphocyte antigen 9	2,1
Bt.26100.2.A1_at; Bt.26100.1.S1_at	615890	GDPD1	glycerophosphodiester phosphodiesterase domain containing 1	2,1
Bt.19235.1.A1_at	514795	ATL2	atlastin GTPase 2	2,1
Bt.17460.1.A1_at	540117	SLITRK2	SLIT and NTRK-like family, member 2	2,1
Bt.26793.1.S1_at	515118	RHOB	ras homolog gene family, member B	2,1
Bt.22286.1.S1_at	524942	UNC5B	unc-5 homolog B (C. elegans)	2,1
Bt.24868.1.A1_at	541161	DKK2	dickkopf homolog 2 (Xenopus laevis)	2,1
Bt.24441.1.S1_at	509574	LOC509574	similar to leukocyte immunoglobulin-like receptor	2,1
Bt.17384.2.S1_at; Bt.17384.1.S1_at	538981	CTTNBP2NL	CTTNBP2 N-terminal like	2,1
Bt.27248.1.A1_at	282886	MMP16	matrix metalloproteinase 16 (membrane-inserted)	2,1
Bt.2318.1.A1_at	286815	GCH1	GTP cyclohydrolase 1	2,1
Bt.24224.1.S1_at	613886	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	2,1
Bt.9564.1.S1_at	282271	PLA2G15	phospholipase A2, group XV	2,1
Bt.10421.2.S1_at	541004	NRP2	neuropilin 2	2,1
Bt.25109.1.S1_at	533642	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	2,1
Bt.3042.1.A1_at	537314	LRRC16A	leucine rich repeat containing 16A	2,1
Bt.10180.1.A1_at	524813	FOXF1	forkhead box F1	2,1
Bt.24793.1.S1_at	786290	MN1	meningioma (disrupted in balanced translocation) 1	2,1
Bt.21224.1.S1_at	539421	DOCK10	dedicator of cytokinesis 10	2,1
Bt.17317.1.S1_at	534505	CPXM2	carboxypeptidase X (M14 family), member 2	2,1
Bt.25009.1.S1_at; Bt.12765.1.S1_at	282852	RDH10	retinol dehydrogenase 10 (all-trans)	2,1

Bt.27452.1.A1_at	527805	LOC527805	hypothetical LOC527805	2,1
Bt.21071.1.S1_at	513953	SLC26A2	solute carrier family 26 (sulfate transporter), member 2	2,1
Bt.25312.1.A1_at	504741	COLEC12	collectin sub-family member 12	2,1
Bt.7142.2.S1_a_at; Bt.7142.1.S1_at	617914	MAFF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	2,1
Bt.28282.1.S1_at	518436	TFCP2L1	transcription factor CP2-like 1	2,1
Bt.20397.1.S1_at	511771	CXCL14	chemokine (C-X-C motif) ligand 14	2,1
Bt.12634.1.A1_at	616371	LOC616371	hypothetical LOC616371	2,1
Bt.14200.1.A1_at	613358	MT1E	metallothionein 1E	2,1
Bt.16925.1.A1_at	515156	STEAP1	six transmembrane epithelial antigen of the prostate 1	2,1
Bt.20747.1.S1_at	407236	LY75	lymphocyte antigen 75	2,1
Bt.19418.1.A1_at	536909	SNRK	SNF related kinase	2,1
Bt.97.1.S1_at	281759	FABP4	fatty acid binding protein 4, adipocyte	2,1
Bt.1150.1.S1_at	783665	DAAM2	dishevelled associated activator of morphogenesis 2	2,1
Bt.4451.1.S1_at	510008	FHL2	four and a half LIM domains 2	2,1
Bt.14223.3.S1_at	507781	NEDD4	neural precursor cell expressed, developmentally down-regulated 4	2,1
Bt.24247.1.S1_at	513478	IL10RA	interleukin 10 receptor, alpha	2,1
Bt.23966.1.A1_at	509481	HAO2	hydroxyacid oxidase 2 (long chain)	2,1
Bt.13306.1.S1_at	504625	SORBS1	sorbin and SH3 domain containing 1	2,1
Bt.10212.1.S1_at	540135	PHLDA1	pleckstrin homology-like domain, family A, member 1	2,1
Bt.19506.1.A1_at	505267	MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	2,1
Bt.16499.1.A1_at	505325	LRCH1	leucine-rich repeats and calponin homology (CH) domain containing 1	2,1
Bt.3606.1.S1_at	534649	TBC1D4	TBC1 domain family, member 4	2,1
Bt.24830.1.A1_at	534787	ITIH5	inter-alpha (globulin) inhibitor H5	2,1
Bt.20143.2.S1_at	282376	STAT5B	signal transducer and activator of transcription 5B	2,1
Bt.17865.1.A1_at	521834	NOSTRIN	nitric oxide synthase trafficker	2,1
Bt.15732.1.S1_a_at	616131	LHFPL2	lipoma HMGIC fusion partner-like 2	2,1
Bt.18780.2.A1_at	505908	PDGFA	platelet-derived growth factor alpha polypeptide	2,1
Bt.3891.1.S1_at	521822	FADS2	fatty acid desaturase 2	2,1
Bt.8924.1.S1_at	510334	NEURL	neuralized homolog (Drosophila)	2,1
Bt.6247.1.S1_at	281848	IGF1R	insulin-like growth factor 1 receptor	2,1
Bt.5215.1.S1_at	281004	APOE	apolipoprotein E	2,1
Bt.25336.1.A1_at	538219	ARHGAP26	Rho GTPase activating protein 26	2,1
Bt.5292.1.S1_at	516318	PER1	period homolog 1 (Drosophila)	2,1
Bt.5149.1.S2_at	281613	AK3	adenylate kinase 3	2,1
Bt.26426.1.A1_at	617625	RBM43	RNA binding motif protein 43	2,1
Bt.16326.1.S1_at	515475	TMEM140	transmembrane protein 140	2,1
Bt.13235.1.S1_at	614348	MGC148992	similar to RGC-32	2,1
Bt.20762.2.S1_at	615298	CLLD6	chronic lymphocytic leukemia deletion region gene 6 protein homolog	2,1
Bt.4622.1.S1_at	282272	MAN2B1	mannosidase, alpha, class 2B, member 1	2,1
Bt.23667.2.S1_at	782518	LPAR6	lysophosphatidic acid receptor 6	2,1
Bt.28265.2.S1_at; Bt.28265.1.A1_at	536532	TAOK1	TAO kinase 1	2,1
Bt.21851.1.A1_at; Bt.19107.1.S1_at; Bt.19107.2.A1_at	100140338	LOC100140338	similar to nuclear antigen Sp100	2,1
Bt.4872.1.S1_at	522392	MXRA8	matrix-remodelling associated 8	2,1
Bt.6406.1.S3_at	281678	CEBPD	CCAAT/enhancer binding protein (C/EBP), delta	2,1
Bt.5768.1.S1_at	100125591	IRF7	interferon regulatory factor 7	2,1
Bt.25420.1.A1_at	408019	CCR4	chemokine (C-C motif) receptor 4	2,1
Bt.26851.1.S1_at	533992	DRAM1	DNA-damage regulated autophagy modulator 1	2,1
Bt.8236.1.S1_at	539712	FAM122A	hypothetical protein LOC539712	2,1
Bt.13124.1.S1_at	317694	TIMP4	TIMP metalloproteinase inhibitor 4	2,1
Bt.22461.1.S1_at	777790	CELF2	CUGBP, Elav-like family member 2	2,1

Bt.28620.1.S1_at	535727	SLC27A2	solute carrier family 27 (fatty acid transporter), member 2	2,1
Bt.28178.1.A1_at	539090	SPRY2	sprouty homolog 2 (Drosophila)	2,1
Bt.27318.1.S1_at	535439	SMARCA1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1	2,1
Bt.2933.1.S1_at	788205	LOC788205	hypothetical protein LOC788205	2,1
Bt.28878.1.S1_at	509432	ASPA	aspartoacylase	2,1
Bt.28621.1.S1_at	513572	ERAP2	endoplasmic reticulum aminopeptidase 2	2,1
Bt.7675.2.S1_at	493722	QKI	quaking homolog, KH domain RNA binding (mouse)	2,1
Bt.24542.2.S1_a_at	512034	PRSS12	protease, serine, 12 (neurotrypsin, motopsin)	2,1
Bt.22498.1.A1_at	507480	HES4	hairy and enhancer of split 4 (Drosophila)	2,1
Bt.28704.1.S1_at	539290	PLSCR4	phospholipid scramblase 4	2,1
Bt.24404.1.A1_at	532616	EPB41L3	erythrocyte membrane protein band 4.1-like 3	2,1
Bt.24795.1.A1_at	527528	IFIT2	interferon-induced protein with tetratricopeptide repeats 2	2,1
Bt.24506.1.S1_at	615190	CHIC2	cysteine-rich hydrophobic domain 2	2,0
Bt.27193.1.A1_at	539374	LOC539374	similar to Family with sequence similarity 43, member A	2,0
Bt.16762.1.S1_at	526631	ARHGEF37	Rho guanine nucleotide exchange factor (GEF) 37	2,0
Bt.7671.1.S1_at	786073	LOC786073	interferon-induced transmembrane protein 3 (1-8U)-like	2,0
Bt.14153.1.S1_at	407121	NEB	nebulin	2,0
Bt.6041.1.S1_at	535297	DST	dystonin	2,0
Bt.19583.1.A1_at	540755	DMD	dystrophin	2,0
Bt.16761.3.S1_at	614260	ZNF75D	zinc finger protein 75D	2,0
Bt.28523.1.S1_at	515051	DTX3L	deltex 3-like (Drosophila)	2,0
Bt.20923.1.S1_at	347700	EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2	2,0
Bt.17424.1.A1_at	537682	SOS1	son of sevenless homolog 1 (Drosophila)	2,0
Bt.14143.1.S1_at	280753	CPE	carboxypeptidase E	2,0
Bt.20071.1.A1_at	537814	NOTCH4	Notch homolog 4-like	2,0
Bt.7176.1.S1_at	282866	SPON1	spondin 1, extracellular matrix protein	2,0
Bt.18049.1.A1_at	540025	RERG	RAS-like, estrogen-regulated, growth inhibitor	2,0
Bt.28799.1.S1_at	615798	PKIB	protein kinase (cAMP-dependent, catalytic) inhibitor beta	2,0
Bt.17726.1.A1_at	532774	SLC6A20	solute carrier family 6 (proline IMINO transporter), member 20	2,0
Bt.4424.1.S1_at	616906	EIF4E3	eukaryotic translation initiation factor 4E family member 3	2,0
Bt.6505.1.A1_at	615382	LOC615382	hCG22909-like	2,0
Bt.18420.2.A1_at	505238	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	2,0
Bt.9485.1.S1_at	338033	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	2,0
Bt.21886.1.S1_at	493686	TLR7	toll-like receptor 7	2,0
Bt.8911.1.A1_at	508041	LOC508041	hypothetical LOC508041	2,0
Bt.29480.1.S1_at	517559	HDAC4	histone deacetylase 4	2,0
Bt.26580.1.A1_at	510442	LOC510442	DOT1-like, histone H3 methyltransferase	-2,0
Bt.6778.1.S1_at	282143	APLN	apelin	-2,0
Bt.27842.1.S1_at	511923	CA9	carbonic anhydrase IX	-2,0
Bt.61.1.S1_at	338073	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	-2,0
Bt.3835.1.S1_at	520463	LOC520463	recombination activating gene 1 activating protein 1	-2,0
Bt.20961.1.A1_at	533613	RABEPK	Rab9 effector protein with kelch motifs	-2,0
Bt.19181.2.S1_at	532572	LAMC1	laminin, gamma 1 (formerly LAMB2)	-2,0
Bt.11936.1.S1_a_at	507945	DUT	deoxyuridine triphosphatase	-2,0
Bt.26440.1.A1_at	614840	GAS2	growth arrest-specific 2	-2,0
Bt.28346.1.A1_at	504477	NCAPH	non-SMC condensin I complex, subunit H	-2,0
Bt.9918.1.S1_at	534475	RFX2	regulatory factor X, 2 (influences HLA class II expression)	-2,0
Bt.11349.1.A1_at	505766	LOC505766	BMP2 inducible kinase-like	-2,0
Bt.21448.3.S1_a_at	528038	SLC12A7	solute carrier family 12, member 7-like	-2,0
Bt.13538.1.A1_at	539092	OXR1	oxidation resistance 1	-2,0

Bt.22521.1.S1_at	504950	NPM3	nucleophosmin/nucleoplasmin 3	-2,0
Bt.12653.1.S1_at	540138	TMEM109	transmembrane protein 109	-2,0
Bt.16065.1.S1_at	515249	CKAP2	cytoskeleton associated protein 2	-2,0
Bt.2712.1.S1_at	338050	SERPINA5	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	-2,0
Bt.8743.1.S1_at	506194	TACC3	transforming, acidic coiled-coil containing protein 3	-2,0
Bt.27374.1.S1_at	511212	LOC511212	lung cancer-related protein 8-like	-2,0
Bt.11497.1.A1_at	618880	VRK1	vaccinia related kinase 1	-2,0
Bt.7360.1.S1_at	509943	TSN	translin	-2,0
Bt.20998.1.S1_at	506331	MED26	mediator complex subunit 26	-2,0
Bt.9648.1.S1_at	505595	MCF2L	MCF.2 cell line derived transforming sequence-like	-2,0
Bt.24664.1.S1_at	536439	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2	-2,0
Bt.22453.2.S1_at	535365	GNB5	guanine nucleotide binding protein (G protein), beta 5	-2,0
Bt.7197.2.A1_at	280901	PRL	prolactin	-2,0
Bt.5657.2.S1_at	510007	MGC133577	hypothetical protein LOC510007	-2,0
Bt.1094.1.S1_at	614972	NIPSNAP1	nipsnap homolog 1 (C. elegans)	-2,0
Bt.21098.3.S1_at	535630	TMLHE	trimethyllysine hydroxylase, epsilon	-2,0
Bt.1478.1.S1_at	540692	RASAL2	RAS protein activator like 2	-2,0
Bt.20853.1.S1_a_at	506769	SKAP1	src kinase associated phosphoprotein 1	-2,0
Bt.28254.1.S1_at	534858	UTP23	UTP23, small subunit (SSU) processome component, homolog (yeast)	-2,0
Bt.9737.1.S1_at	505805	LY6G6C	lymphocyte antigen 6 complex, locus G6C	-2,0
Bt.29264.1.A1_at	522691	TTC22	tetratricopeptide repeat domain 22	-2,0
Bt.2391.1.S1_at	534664	C16H10RF55	chromosome 1 open reading frame 55 ortholog	-2,0
Bt.16412.1.S1_a_at	508724	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase)	-2,0
Bt.11129.1.S1_at	281302	MCM3	minichromosome maintenance complex component 3	-2,0
Bt.18753.1.A1_at	532751	PTPRD	protein tyrosine phosphatase, receptor type, D	-2,0
Bt.16619.1.A1_at	767587	CCAR1	cell division cycle and apoptosis regulator 1	-2,1
Bt.29640.1.A1_at	514405	PLK4	polo-like kinase 4	-2,1
Bt.15738.1.A1_at	100336681	LOC100336681	SECIS-binding protein 2-like	-2,1
Bt.27887.1.S1_at	616180	YPEL2	yippee-like 2 (Drosophila)	-2,1
Bt.12646.1.A1_at	614376	LOC614376	similar to histone cluster 1, H2bd	-2,1
Bt.3035.1.S1_at	281439	DAG1	dystroglycan 1 (dystrophin-associated glycoprotein 1)	-2,1
Bt.26329.1.S1_at	540803	MRAS	muscle RAS oncogene homolog	-2,1
Bt.28443.2.S1_at	534041	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2	-2,1
Bt.13911.1.S1_s_at	100125264	NUP210	nucleoporin 210	-2,1
Bt.17898.1.A1_at	613821	MAP9	microtubule-associated protein 9	-2,1
Bt.20861.1.A1_at; Bt.11278.1.S1_at	513095	ENAH	enabled homolog (Drosophila)	-2,1
Bt.8353.2.S1_at	506977	LGALS8	lectin, galactoside-binding, soluble, 8	-2,1
Bt.17054.1.A1_at	528960	RRM2B	ribonucleotide reductase M2 B (TP53 inducible)	-2,1
Bt.17654.1.A1_at	781492	NIPAL2	NIPA-like domain containing 2	-2,1
Bt.24274.1.S1_at	507593	TMEM188	transmembrane protein 188	-2,1
Bt.26029.1.A1_at	510898	DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9	-2,1
Bt.20349.1.S1_at	539124	TRAF6	TNF receptor-associated factor 6	-2,1
Bt.9786.1.S1_at	511690	ST6GALNAC2	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	-2,1
Bt.18730.1.A1_at	508809	DHFR	dihydrofolate reductase	-2,1
Bt.21708.1.S1_at	615849	RAB4A	RAB4A, member RAS oncogene family	-2,1
Bt.20248.1.S1_at	512830	RNASEH2A	ribonuclease H2, subunit A	-2,1
Bt.26855.1.S1_at	506746	TRIP13	thyroid hormone receptor interactor 13	-2,1
Bt.19658.1.A1_at	541151	TRPM8	transient receptor potential cation channel, subfamily M, member 8	-2,1
Bt.16820.1.A1_at	444870	TLR5	toll-like receptor 5	-2,1
Bt.26856.2.S1_at; Bt.26856.1.A1_at	506150	LOC506150	leucine-rich repeats and calponin homology (CH) domain containing 3-like	-2,1
Bt.21037.1.S1_at	782690	TCF7	transcription factor 7 (T-cell specific, HMG-box)	-2,1

Bt.17657.1.A1_at	534830	SCLT1	sodium channel and clathrin linker 1	-2,1
Bt.7183.1.S1_at	520167	LAMB2	laminin, beta 2	-2,1
Bt.6954.1.S1_at	505149	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	-2,1
Bt.26717.1.S1_at	514773	SOCS5	suppressor of cytokine signaling 5	-2,1
Bt.20420.1.S1_at	505691	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-2,1
Bt.9420.1.S1_at	786966	LOC786966	rCG59523-like	-2,1
Bt.18309.1.A1_at	521004	SLC39A10	solute carrier family 39 (zinc transporter), member 10	-2,1
Bt.9863.1.S1_at	523367	SHCBP1	SHC SH2-domain binding protein 1	-2,1
Bt.194.1.S1_at	281696	CLIC5	chloride intracellular channel 5	-2,1
Bt.29837.1.S1_at	508637	SUSD4	sushi domain containing 4	-2,1
Bt.4318.1.S1_a_at	513195	CENPT	centromere protein T	-2,1
Bt.3414.3.A1_a_at	536149	AGFG1	ArfGAP with FG repeats 1	-2,1
Bt.24532.1.A1_at	533605	IL17RB	interleukin 17 receptor B	-2,1
Bt.4414.1.S1_at	532273	SYT17	synaptotagmin XVII	-2,1
Bt.26070.1.S1_at	527992	LOC527992	similar to CG17657 CG17657-PA	-2,1
Bt.25460.2.S1_at; Bt.25460.1.A1_at	514809	OTUD3	OTU domain containing 3	-2,1
Bt.27410.1.S1_at	535125	EFR3A	EFR3 homolog A (<i>S. cerevisiae</i>)	-2,1
Bt.21154.2.S1_at	514886	STK4	serine/threonine kinase 4	-2,1
Bt.13147.1.S1_at	282407	B4GALT5	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	-2,1
Bt.28885.1.S1_at	512028	LIPH	lipase, member H	-2,1
Bt.727.1.S1_at	613720	CCDC53	coiled-coil domain containing 53	-2,1
Bt.21413.2.S1_at	617624	SLC44A2	solute carrier family 44, member 2	-2,1
Bt.24181.1.S1_at	512242	LBP	lipopolysaccharide binding protein	-2,1
Bt.28385.1.A1_at	534616	BCHE	butyrylcholinesterase	-2,1
Bt.29129.1.S1_at	415112	AGR2	anterior gradient homolog 2 (<i>Xenopus laevis</i>)	-2,1
Bt.7446.1.S1_at	513300	LOC513300	similar to SUMO/sentrin specific peptidase family member 8	-2,1
Bt.15842.1.S1_at	515940	THRSP	thyroid hormone responsive	-2,1
Bt.2725.1.S1_at	506962	UBE2C	ubiquitin-conjugating enzyme E2C	-2,1
Bt.27997.1.S1_at; Bt.1518.1.S1_at	281227	HMMR	hyaluronan-mediated motility receptor (RHAMM)	-2,1
Bt.23212.1.S1_at	504481	SC4MOL	sterol-C4-methyl oxidase-like	-2,1
Bt.24172.1.A1_s_at	789060	MGC134331	hypothetical protein LOC789060	-2,1
Bt.24257.1.S1_at	519695	FBXL5	F-box and leucine-rich repeat protein 5	-2,1
Bt.29954.1.S1_at	613960	GKAP1	G kinase anchoring protein 1	-2,1
Bt.7394.1.A1_at	615191	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A	-2,1
Bt.17252.1.S1_at	523885	TMEM135	transmembrane protein 135	-2,1
Bt.21720.1.S1_at	614192	C15H11orf74	chromosome 11 open reading frame 74 ortholog	-2,1
Bt.28537.1.S1_at	505168	ANKS4B	ankyrin repeat and sterile alpha motif domain containing 4B	-2,1
Bt.13954.1.S1_at	516644	NCAPG2	non-SMC condensin II complex, subunit G2	-2,1
Bt.15802.1.S1_at	535702	KLF5	Kruppel-like factor 5 (intestinal)	-2,1
Bt.430.2.S1_a_at	790470	PRP2	prolactin-related protein 2	-2,1
Bt.2551.1.S1_at	281667	CCNA2	cyclin A2	-2,1
Bt.8719.1.S1_a_at	511744	PSTK	phosphoseryl-tRNA kinase	-2,1
Bt.25133.1.A1_at	282152	BCL2L1	BCL2-like 1	-2,1
Bt.28783.1.A1_at	541005	DET1	de-etiolated homolog 1 (<i>Arabidopsis</i>)	-2,1
Bt.4797.1.S1_at	508535	FKBP4	FK506 binding protein 4, 59kDa	-2,1
Bt.1217.2.S1_at; Bt.1217.1.A1_a_at	507707	TOMM70A	translocase of outer mitochondrial membrane 70 homolog A (<i>S. cerevisiae</i>)	-2,1
Bt.10253.1.A1_at	513678	CHEK1	CHK1 checkpoint homolog (<i>S. pombe</i>)	-2,2
Bt.26810.1.S1_at	530941	EPB41L5	erythrocyte membrane protein band 4.1 like 5	-2,2
Bt.20855.1.S1_at	613915	PDZK1IP1	PDZK1 interacting protein 1	-2,2

Bt.4950.1.S1_at	286838	NDST2	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2	-2,2
Bt.1440.1.S1_at	510995	KIFC1	kinesin family member C1	-2,2
Bt.20380.1.S1_at	511199	LDLRAP1	low density lipoprotein receptor adaptor protein 1	-2,2
Bt.29408.1.A1_at	538477	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	-2,2
Bt.26726.1.S1_at	539222	PBX3	pre-B-cell leukemia homeobox 3	-2,2
Bt.24963.1.A1_at	510830	TPCN1	two pore segment channel 1	-2,2
Bt.27404.1.S1_at	508717	ABHD2	abhydrolase domain containing 2	-2,2
Bt.3293.1.S1_at; Bt.26627.1.S1_at	503581	HNF1B	HNF1 homeobox B	-2,2
Bt.22056.2.S1_a_at; Bt.22056.1.S1_a_at	510774	ABHD1	abhydrolase domain containing 1	-2,2
Bt.25655.2.A1_at	534967	CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	-2,2
Bt.27489.1.A1_at	613919	GGT6	gamma-glutamyltransferase 6	-2,2
Bt.20882.1.S1_at; Bt.10144.1.A1_s_at	536517	TIAM1	T-cell lymphoma invasion and metastasis 1	-2,2
Bt.28128.1.S1_at	615873	MRPL48	mitochondrial ribosomal protein L48	-2,2
Bt.11331.1.A1_at	526978	MANEAL	mannosidase, endo-alpha-like	-2,2
Bt.17824.1.S1_at	511223	VPS36	vacuolar protein sorting 36 homolog (S. cerevisiae)	-2,2
Bt.12876.3.S1_a_at	100124507	LIG1	ligase I, DNA, ATP-dependent	-2,2
Bt.29219.1.A1_at	514701	LOC514701	similar to Protein FAM3B precursor (Cytokine-like protein 2-21)	-2,2
Bt.4585.1.S1_at	512044	ACAT2	acetyl-CoA acetyltransferase 2	-2,2
Bt.24231.1.A1_at	537926	CEP78	centrosomal protein 78kDa	-2,2
Bt.23658.1.A1_at	510538	ASF1B	ASF1 anti-silencing function 1 homolog B (S. cerevisiae)	-2,2
Bt.12211.1.S1_at	505355	PECI	peroxisomal D3,D2-enoyl-CoA isomerase	-2,2
Bt.967.2.S1_at; Bt.967.1.A1_at	614243	TMEM65	transmembrane protein 65	-2,2
Bt.22917.1.A1_at	527169	GRSF1	G-rich RNA sequence binding factor 1	-2,2
Bt.22314.1.S1_at	504630	CENPP	centromere protein P	-2,2
Bt.24992.1.S1_at	618086	RTP3	receptor (chemosensory) transporter protein 3	-2,2
Bt.19509.2.S1_at				-2,2
Bt.7632.1.S1_a_at	513641	NCKAP1L	NCK-associated protein 1-like	-2,2
Bt.19692.1.S1_at	540298	COQ3	coenzyme Q3 homolog, methyltransferase (S. cerevisiae)	-2,2
Bt.28436.1.S1_at; Bt.15812.1.A1_at	533324	LOC533324	similar to Protein FAM126B	-2,2
Bt.24356.1.S1_at	407210	GRB10	growth factor receptor-bound protein 10	-2,2
Bt.17637.3.A1_at	514013	APBB2	amyloid beta (A4) precursor protein-binding, family B, member 2	-2,2
Bt.22493.1.S1_at	508575	G2E3	G2/M-phase specific E3 ubiquitin ligase	-2,2
Bt.13162.1.S1_at	281268	KRT5	keratin 5	-2,2
Bt.24864.2.A1_at; Bt.24864.1.S1_a_at; Bt.24864.1.S1_at	508763	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	-2,2
Bt.25978.1.A1_at	530506	SMARCAD1	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1	-2,2
Bt.8053.3.S1_at; Bt.8053.2.S1_at	506045	ATAD1	ATPase family, AAA domain containing 1	-2,2
Bt.6151.1.S1_at	509418	CSF1R	colony stimulating factor 1 receptor	-2,2
Bt.27983.1.S1_at	407128	BMPRI1B	bone morphogenetic protein receptor, type IB	-2,2
Bt.16047.1.S1_at	613318	CDCA5	cell division cycle associated 5	-2,2
Bt.17026.1.S1_at; Bt.1463.1.S1_at	504245	ARHGAP17	Rho GTPase activating protein 17	-2,2
Bt.17693.1.S1_at	514432	BRMS1L	breast cancer metastasis-suppressor 1-like	-2,2

Bt.18.1.S1_at	282116	VAMP2	vesicle-associated membrane protein 2 (synaptobrevin 2)	-2,2
Bt.24589.2.S1_at	529318	MEX3C	mex-3 homolog C (C. elegans)	-2,2
Bt.13880.2.S1_at; Bt.13880.1.S1_at	504445	DKK1	dickkopf homolog 1 (Xenopus laevis)	-2,2
Bt.10272.1.S1_at	338078	STC1	stanniocalcin 1	-2,2
Bt.6129.1.S1_at	538789	NDC80	NDC80 homolog, kinetochore complex component (S. cerevisiae)	-2,2
Bt.16617.2.S1_at	533206	PDS5A	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	-2,2
Bt.18484.1.A1_at	100125914	NT5DC1	5'-nucleotidase domain containing 1	-2,2
Bt.26656.1.S1_at	537631	MAPK10	mitogen-activated protein kinase 10	-2,2
Bt.21759.1.S1_at	507159	BBOX1	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1	-2,2
Bt.17489.2.S1_at; Bt.17489.1.A1_at	533114	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	-2,2
Bt.3964.1.S1_at	282358	SLC2A3	solute carrier family 2 (facilitated glucose transporter), member 3	-2,2
Bt.6818.2.S1_at	540274	RNF14	ring finger protein 14	-2,3
Bt.17135.2.S1_at	508031	TMEM216	transmembrane protein 216	-2,3
Bt.9025.1.S1_at	281879	ITPR3	inositol 1,4,5-triphosphate receptor, type 3	-2,3
Bt.4172.2.S1_a_at	540005	PIP4K2C	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	-2,3
Bt.20919.2.A1_at	538212	GNMT	glycine N-methyltransferase	-2,3
Bt.10781.2.S1_at	783416	WDR17	WD repeat domain 17	-2,3
Bt.15329.1.A1_at	617543	REEP5	receptor accessory protein 5	-2,3
Bt.19780.1.A1_at	614726	SH2B3	SH2B adaptor protein 3	-2,3
Bt.16108.1.A1_at	508170	MCEE	methylmalonyl CoA epimerase	-2,3
Bt.26319.1.A1_at	510951	SLC39A4	solute carrier family 39 (zinc transporter), member 4	-2,3
Bt.27953.1.S1_at	533350	OSBPL8	oxysterol binding protein-like 8	-2,3
Bt.24872.1.S1_at	537127	KIF4A	kinesin family member 4A	-2,3
Bt.24515.1.S1_at; Bt.17742.1.A1_at; Bt.17742.2.A1_at	507082	RALGAPA2	Ral GTPase activating protein, alpha subunit 2 (catalytic)	-2,3
Bt.2046.1.S1_at	337918	SRPX	sushi-repeat-containing protein, X-linked	-2,3
Bt.12550.1.S1_at	505886	IQGAP3	IQ motif containing GTPase activating protein 3	-2,3
Bt.2112.1.S1_at	513220	MKI67	antigen identified by monoclonal antibody Ki-67	-2,3
Bt.8180.3.A1_a_at; Bt.8180.2.S1_at	782388	LOC782388	copine II-like	-2,3
Bt.1171.1.S1_at	532143	SMTNL2	smoothelin-like 2	-2,3
Bt.27397.1.A1_at	617312	CEP72	centrosomal protein 72kDa	-2,3
Bt.26844.1.A1_at	509921	SKA3	spindle and kinetochore associated complex subunit 3	-2,3
Bt.25837.1.S1_at	515158	CCDC99	coiled-coil domain containing 99	-2,3
Bt.22763.2.S1_a_at	407767	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	-2,3
Bt.2478.2.S1_at	510574	VPS26A	vacuolar protein sorting 26 homolog A (S. pombe)	-2,3
Bt.26841.1.A1_at	507761	GARNL3	GTPase activating Rap/RanGAP domain-like 3	-2,3
Bt.18111.1.A1_at	614408	PLDN	pallidin homolog (mouse)	-2,3
Bt.412.1.S1_at	281437	QPCT	glutaminy-peptide cyclotransferase	-2,3
Bt.618.1.S1_at	616275	ANAPC11	anaphase promoting complex subunit 11	-2,3
Bt.22536.2.S1_at	613522	KCMF1	potassium channel modulatory factor 1	-2,3
Bt.27351.1.S1_at	505310	SLC5A5	solute carrier family 5 (sodium iodide symporter), member 5	-2,3
Bt.4763.1.S1_at	281056	CD247	CD247 molecule	-2,3
Bt.4770.1.S1_at	506724	PDCD4	programmed cell death 4 (neoplastic transformation inhibitor)	-2,3
Bt.8.1.S1_at	281888	KRT10	keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris)	-2,3
Bt.14644.2.S1_at	614630	CTNNBIP1	catenin, beta interacting protein 1	-2,3

Bt.9492.1.S1_at	506277	LOC506277	hypothetical protein LOC506277	-2,3
Bt.29880.1.S1_at; Bt.10912.1.S1_at	407217	EGFR	epidermal growth factor receptor	-2,3
Bt.20649.2.S1_at	535177	CELF4	CUGBP, Elav-like family member 4	-2,3
Bt.28534.1.A1_at	784941	PLEK2	pleckstrin 2	-2,3
Bt.561.1.S1_at	286883	MAP2K6	mitogen-activated protein kinase kinase 6	-2,3
Bt.1436.1.S1_at	788843	LOC788843	pregnancy-associated glycoprotein 11-like	-2,3
Bt.16130.1.S1_at	505734	APPBP2	amyloid beta precursor protein (cytoplasmic tail) binding protein 2	-2,3
Bt.29005.1.A1_at	615937	RAD51AP1	RAD51 associated protein 1	-2,3
Bt.25896.1.A1_at; Bt.2073.1.S1_at	533333	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	-2,3
Bt.13925.1.S1_at	504637	RFC4	replication factor C (activator 1) 4, 37kDa	-2,3
Bt.12337.2.S1_a_at; Bt.12337.1.S1_a_at	514560	CHCHD5	coiled-coil-helix-coiled-coil-helix domain containing 5	-2,3
Bt.26959.2.S1_at	505792	MVK	mevalonate kinase	-2,3
Bt.1815.1.S1_at; Bt.12356.1.S1_at	534625	CUEDC1	CUE domain containing 1	-2,3
Bt.858.1.S1_at	517007	CHTF18	CTF18, chromosome transmission fidelity factor 18 homolog (S. cerevisiae)	-2,3
Bt.22285.1.A1_at	615906	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	-2,3
Bt.16740.1.A1_at	529939	LAMB3	laminin, beta 3	-2,3
Bt.4126.3.S1_a_at	516085	CYP4A22	cytochrome P450, family 4, subfamily A, polypeptide 22	-2,3
Bt.21958.1.A1_at	508963	LOC508963	hypothetical LOC508963	-2,3
Bt.1785.1.A1_at	532189	LOC532189	carboxypeptidase D-like	-2,3
Bt.21513.2.S1_at; Bt.21513.1.A1_at	514777	BUB1	budding uninhibited by benzimidazoles 1 homolog (yeast)	-2,3
Bt.10247.2.A1_at	507081	C8H9orf6	chromosome 9 open reading frame 6 ortholog	-2,3
Bt.6239.1.S1_at	615820	PPA2	pyrophosphatase (inorganic) 2	-2,3
Bt.22099.1.A1_at	529043	ARHGEF10L	Rho guanine nucleotide exchange factor (GEF) 10-like	-2,3
Bt.15987.1.S1_at	784833; 337913	LOC784833; PAG19	pregnancy-associated glycoprotein 19-like; pregnancy-associated glycoprotein 19	-2,3
Bt.20343.2.S1_at; Bt.20343.1.S1_at	506146	UNC13D	unc-13 homolog D (C. elegans)	-2,3
Bt.20197.1.S1_at	613732	APITD1	apoptosis-inducing, TAF9-like domain 1	-2,3
Bt.23453.1.S1_at	507703	SKA1	spindle and kinetochore associated complex subunit 1	-2,3
Bt.21212.1.S1_at	533016	SLC27A5	solute carrier family 27 (fatty acid transporter), member 5	-2,3
Bt.8642.1.S1_at; Bt.22139.1.S1_at	532067	COBLL1	COBL-like 1	-2,3
Bt.4798.1.S2_at	280924	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	-2,3
Bt.6520.1.A1_at; Bt.14055.1.S1_at	539144	FRAT2	frequently rearranged in advanced T-cell lymphomas 2	-2,3
Bt.1825.1.S1_at	510264	DHRS11	dehydrogenase/reductase (SDR family) member 11	-2,4
Bt.28608.1.S1_at	617138	MGC151839	similar to calpain	-2,4
Bt.28276.1.S1_at	509773	TMEM54	transmembrane protein 54	-2,4
Bt.6261.1.S1_at	614323	CA12	carbonic anhydrase XII	-2,4
Bt.17594.1.S1_at	100125836	WDR5	WD repeat domain 5	-2,4
Bt.18325.2.A1_at; Bt.18325.2.A1_a_at	506766	MAP7	microtubule-associated protein 7	-2,4
Bt.13439.1.S1_at	768074	ETFDH	electron-transferring-flavoprotein dehydrogenase	-2,4
Bt.16363.2.A1_at	513620	TMEM127	transmembrane protein 127	-2,4
Bt.10.2.S1_a_at	281698	CLTB	clathrin, light chain B	-2,4
Bt.1115.1.S1_at	533323	PDE3B	phosphodiesterase 3B, cGMP-inhibited	-2,4
Bt.2173.1.S1_at	532724	ALDH5A1	aldehyde dehydrogenase 5 family, member A1	-2,4
Bt.17486.1.A1_at	508062	ZNF135	zinc finger protein 135	-2,4
Bt.8650.1.A1_at	541299	STIM2	stromal interaction molecule 2	-2,4

Bt.2353.1.S1_at	414925	BIRC5	baculoviral IAP repeat-containing 5	-2,4
Bt.28686.2.S1_at; Bt.28686.1.S1_at	511940	MAL2	mal, T-cell differentiation protein 2	-2,4
Bt.5618.1.A1_at	516395	CNTNAP2	contactin associated protein-like 2	-2,4
Bt.9117.1.S1_at	616640	TTC7A	tetratricopeptide repeat domain 7A	-2,4
Bt.15682.1.A1_at	538558	BRI3BP	BRI3 binding protein	-2,4
Bt.27805.2.S1_a_at; Bt.27805.1.S1_at	615953	CENPM	centromere protein M	-2,4
Bt.639.1.S1_at	515376	CDC20	cell division cycle 20 homolog (S. cerevisiae)	-2,4
Bt.1130.1.S1_at	506970	MCM5	minichromosome maintenance complex component 5	-2,4
Bt.17299.2.S1_at	785659	LOC785659	E3 ubiquitin-protein ligase SIAH2-like	-2,4
Bt.27560.1.A1_at	534432	CCDC39	coiled-coil domain containing 39	-2,4
Bt.27167.1.A1_at	515309	MLEC	malectin	-2,4
Bt.10941.1.S1_at	540550	MBNL3	muscleblind-like 3 (Drosophila)	-2,4
Bt.28214.1.S1_at; Bt.13712.1.S1_at	326577	SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	-2,4
Bt.10003.1.S1_at	522371	TSPAN15	tetraspanin 15	-2,4
Bt.21738.1.A1_at	539248	C10H14ORF1	chromosome 14 open reading frame 1 ortholog	-2,4
Bt.12689.1.A1_at	535858	VIPR1	vasoactive intestinal peptide receptor 1	-2,4
Bt.27694.1.S1_at	614612	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	-2,4
Bt.11192.1.S1_at	534576	PABPC4	poly(A) binding protein, cytoplasmic 4 (inducible form)	-2,4
Bt.5506.1.A1_at	780881	C9orf100	vav-like protein C9orf100 homolog	-2,4
Bt.986.1.A1_at	515080	FBXO5	F-box protein 5	-2,4
Bt.3208.2.S1_a_at	513116	DDHD2	DDHD domain containing 2	-2,4
Bt.18699.1.A1_at	528169	PANX1	pannexin 1	-2,4
Bt.4102.2.S1_a_at; Bt.22569.1.A1_at	281356	NPPC	natriuretic peptide precursor C	-2,4
Bt.16633.1.S1_at	527491	SLC38A1	solute carrier family 38, member 1	-2,4
Bt.25621.1.A1_at	528380	MIPOL1	mirror-image polydactyly 1	-2,4
Bt.4646.1.S1_at	282356	SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1	-2,4
Bt.20591.2.A1_at; Bt.20591.1.S1_at	539085	VASH2	vasohibin 2	-2,4
Bt.310.1.S1_at	282164	CATHL1	cathelicidin 1	-2,4
Bt.24470.1.S1_a_at	617078	TRIM37	tripartite motif-containing 37	-2,4
Bt.4791.1.S1_at	539924	MCM7	minichromosome maintenance complex component 7	-2,4
Bt.19823.1.A1_at	617287	TRAM2	translocation associated membrane protein 2	-2,4
Bt.9767.1.S1_a_at	526535	SQLE	squalene epoxidase	-2,4
Bt.1190.1.A1_at	615510	LOC615510	similar to UPF0419 protein C12orf48	-2,4
Bt.26683.2.S1_at; Bt.26683.1.S1_at	504437	AURKA	aurora kinase A	-2,4
Bt.22120.1.S1_at	506294	KIF22	kinesin family member 22	-2,4
Bt.11933.1.S1_at	515462	CDK7	cyclin-dependent kinase 7	-2,4
Bt.26507.1.S1_at	534142	SNHG3-RCC1	SNHG3-RCC1 readthrough transcript	-2,5
Bt.5683.1.S1_at	514399	NDRG3	NDRG family member 3	-2,5
Bt.28195.1.S1_at	507345	VCP	valosin-containing protein	-2,5
Bt.24786.2.A1_at; Bt.24786.1.S1_at	514487	STX19	syntaxin 19	-2,5
Bt.16445.1.A1_at	618444	LOC618444	hypothetical LOC618444	-2,5
Bt.18278.2.A1_at; Bt.18278.1.S1_at	509717	CCNC	cyclin C	-2,5
Bt.22334.2.S1_at; Bt.22334.1.S1_at	616898	LOC616898	hypothetical protein LOC616898	-2,5
Bt.17379.1.A1_at	504453	DMGDH	dimethylglycine dehydrogenase	-2,5
Bt.10648.1.S1_at	508167	RRM2	ribonucleotide reductase M2	-2,5
Bt.21053.2.S1_at; Bt.21053.1.A1_at	534995	SYNGR1	synaptogyrin 1	-2,5

Bt.25654.1.A1_at; Bt.11279.1.A1_at	511699	CLCN4	chloride channel 4	-2,5
Bt.8127.1.S2_at; Bt.20580.1.S1_at; Bt.8127.1.S1_at	281230	HPSE	heparanase	-2,5
Bt.9784.1.S1_at	540231	LOC540231	hypothetical LOC540231	-2,5
Bt.303.1.S1_at	281963	P2RY1	purinergic receptor P2Y, G-protein coupled, 1	-2,5
Bt.17901.2.A1_at	526887	REPS2	RALBP1 associated Eps domain containing 2	-2,5
Bt.15401.1.S1_at	281964	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1	-2,5
Bt.1181.1.S1_at	506740	ESPL1	extra spindle pole bodies homolog 1 (S. cerevisiae)	-2,5
Bt.2410.1.A1_at	786852	CIT	citron (rho-interacting, serine/threonine kinase 21)	-2,5
Bt.28170.1.S1_at	768025	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	-2,5
Bt.25133.2.A1_a_at	534913	SETMAR	SET domain and mariner transposase fusion gene	-2,5
Bt.21706.2.A1_at; Bt.21706.2.A1_a_at	511416	CPA5	carboxypeptidase A5	-2,5
Bt.13773.1.A1_at	534581	IL20RB	interleukin 20 receptor beta	-2,5
Bt.7555.2.S1_at; Bt.7555.1.S1_at	514465	SMAP2	small ArfGAP2	-2,5
Bt.4001.1.S1_at	513221	HMOX1	heme oxygenase (decycling) 1	-2,5
Bt.26637.3.S1_at; Bt.26637.1.A1_at; Bt.26637.2.S1_at	507572	CHMP4C	chromatin modifying protein 4C	-2,5
Bt.9778.1.S1_at; Bt.16041.1.S1_at; Bt.22122.2.A1_at	504968	ABLIM1	actin binding LIM protein 1	-2,5
Bt.13434.2.A1_at; Bt.11395.1.A1_at	514986	MKRN1	makorin ring finger protein 1	-2,5
Bt.20189.1.S1_at	509620	FTSJD2	FtsJ methyltransferase domain containing 2	-2,5
Bt.9442.2.S1_a_at	507960	ARHGAP9	Rho GTPase activating protein 9	-2,5
Bt.25412.1.A1_at	616028	NUSAP1	nucleolar and spindle associated protein 1	-2,5
Bt.20299.1.S1_at	515618	STXBP2	syntaxin binding protein 2	-2,5
Bt.22209.1.A1_at	507577	EAF1	ELL associated factor 1	-2,5
Bt.17179.1.S1_at				-2,5
Bt.26952.1.S1_at	614351	LOC614351	DNA replication complex GINS protein PSF2-like	-2,5
Bt.13745.2.S1_at; Bt.13745.1.A1_a_at; Bt.13745.1.A1_at	537918	TDRD3	tudor domain containing 3	-2,5
Bt.20261.1.S1_at	511010	PTPN3	protein tyrosine phosphatase, non-receptor type 3	-2,5
Bt.6140.2.S1_at; Bt.6140.1.S1_a_at; Bt.6140.1.S1_at	535992	RAB11FIP5	RAB11 family interacting protein 5 (class I)	-2,5
Bt.7887.1.S1_at	505850	EIF4B	eukaryotic translation initiation factor 4B	-2,5
Bt.22705.1.A1_at	615334	DAO	D-amino-acid oxidase	-2,5
Bt.4768.1.S1_at	281258	F11R	F11 receptor	-2,5
Bt.22647.3.A1_at; Bt.17798.1.A1_at	532952	MAGI3	membrane associated guanylate kinase, WW and PDZ domain containing 3	-2,5
Bt.12662.1.S1_at	533531	SYNPO	synaptopodin	-2,5
Bt.15730.1.S1_at	533161	KIF2C	kinesin family member 2C	-2,6
Bt.16817.1.A1_at	616612	LYPD6B	LY6/PLAUR domain containing 6B	-2,6
Bt.12576.3.S1_a_at	507631	TYMS	thymidylate synthetase	-2,6
Bt.4117.1.S1_at	282223	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	-2,6
Bt.29025.1.A1_at	523809	UBASH3B	ubiquitin associated and SH3 domain containing B	-2,6
Bt.457.1.S1_at	282373	SPADH1	spermadhesin 1	-2,6
Bt.20815.1.A1_at	100139803	TMEFF1	transmembrane protein with EGF-like and two follistatin-like domains 1	-2,6
Bt.23509.1.S1_at	617707	PPAP2B	phosphatidic acid phosphatase type 2B	-2,6

Bt.18532.1.A1_at	100299044	LOC100299044	similar to pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2	-2,6
Bt.20277.1.S1_at	787696	TOP2A	topoisomerase (DNA) II alpha 170kDa	-2,6
Bt.17148.1.S1_at	541180	FEM1C	fem-1 homolog c (C. elegans)	-2,6
Bt.28694.1.S1_at; Bt.16766.1.A1_at	784449	LOC784449	similar to KIAA1324	-2,6
Bt.17745.1.A1_at	506781	CNKSR3	CNKSR family member 3	-2,6
Bt.3682.1.S1_at	493720	FADD	Fas (TNFRSF6)-associated via death domain	-2,6
Bt.28541.1.S1_at	614056	SGOL1	shugoshin-like 1 (S. pombe)	-2,6
Bt.28389.1.A1_at	506578	ELL	elongation factor RNA polymerase II	-2,6
Bt.19774.2.S1_at; Bt.15723.1.S1_at; Bt.19774.1.A1_at	532571	WWC2	WW and C2 domain containing 2	-2,6
Bt.10696.1.S1_at	614434	CDCA3	cell division cycle associated 3	-2,6
Bt.11301.2.S1_at; Bt.11301.1.S1_at	613794	ABLIM3	actin binding LIM protein family, member 3	-2,6
Bt.6380.1.S1_at	512693	POLDIP3	polymerase (DNA-directed), delta interacting protein 3	-2,6
Bt.569.1.S1_at; Bt.13769.1.S1_at	281294	MAP2	microtubule-associated protein 2	-2,6
Bt.11696.2.S1_at; Bt.11696.1.A1_at	618649	SHANK2	SH3 and multiple ankyrin repeat domains 2	-2,6
Bt.19969.1.S1_a_at	512903	CPA4	carboxypeptidase A4	-2,6
Bt.5412.1.S1_at	282150	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide	-2,6
Bt.16624.1.A1_at	538402	LOC538402	similar to Protein FAM81A	-2,6
Bt.22589.1.S1_at	527214	PLA2G12A	phospholipase A2, group XIIA	-2,6
Bt.964.1.S1_at	504652	TK1	thymidine kinase 1, soluble	-2,6
Bt.9993.1.S1_at	615498	AQP7	aquaporin 7	-2,6
Bt.28826.1.A1_at; Bt.12236.1.S1_at	511100	OIP5	Opa interacting protein 5	-2,6
Bt.29925.1.S1_at	786629	E2F8	E2F transcription factor 8	-2,6
Bt.8441.3.S1_at	513376	STBD1	starch binding domain 1	-2,6
Bt.18776.1.S1_at	540737	PAF	KIAA0101 protein	-2,6
Bt.26971.1.S1_at	519892	NUAK1	NUAK family, SNF1-like kinase, 1	-2,6
Bt.25475.1.A1_at	539947	LOC539947	CXXC finger 4	-2,6
Bt.24411.1.A1_at	618360	LOC618360	similar to Nitric oxide-inducible gene protein	-2,6
Bt.552.1.S1_at	327712	CCL5	chemokine (C-C motif) ligand 5	-2,7
Bt.1767.1.S1_at	281225	UBE2K	ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	-2,7
Bt.3756.1.A1_at	508043	PTTG1	pituitary tumor-transforming 1	-2,7
Bt.2903.1.S1_at	281733	CXADR	coxsackie virus and adenovirus receptor	-2,7
Bt.15419.1.S1_at; Bt.12083.1.S1_s_at; Bt.12083.2.S1_at	507139	GCA	grancalcin, EF-hand calcium binding protein	-2,7
Bt.22538.2.S1_at; Bt.22538.1.A1_at	616913	FZD8	frizzled homolog 8 (Drosophila)	-2,7
Bt.4750.1.S1_at	445425	TKT	transketolase	-2,7
Bt.27476.1.S1_at	782059	SCYL2	SCY1-like 2 (S. cerevisiae)	-2,7
Bt.7871.1.S1_at	512907	PDLIM2	PDZ and LIM domain 2 (mystique)	-2,7
Bt.7393.1.S1_at	513362	NPNT	nephronectin	-2,7
Bt.2111.1.S1_a_at	513523	ORC1L	origin recognition complex, subunit 1-like (S. cerevisiae)	-2,7
Bt.19587.1.A1_at	529109	LOC529109	hypothetical LOC529109	-2,7
Bt.28010.1.S1_at	407165	PI3	peptidase inhibitor 3, skin-derived (SKALP)	-2,7
Bt.28054.1.S1_at	513303	TOM1L1	target of myb1 (chicken)-like 1	-2,7
Bt.23094.3.S1_s_at; Bt.23094.3.S1_at	782922	LOC782922	similar to prostaglandin F synthetase II	-2,7
Bt.12821.1.S1_at	783548	TNKS1BP1	tankyrase 1 binding protein 1, 182kDa	-2,7
Bt.1907.1.S1_at	614490	LOC614490	hypothetical LOC614490	-2,7

Bt.19018.1.A1_at	614525	BEND4	BEN domain containing 4	-2,7
Bt.22480.2.S1_at; Bt.22480.1.A1_at	509009	SLC35E3	solute carrier family 35, member E3	-2,7
Bt.13781.1.S1_at	520936	PROM2	prominin 2	-2,7
Bt.25669.1.S1_at	532671	MCOLN2	mucolipin 2	-2,7
Bt.7542.1.S1_at; Bt.19406.1.A1_at	282151	BCL2A1	BCL2-related protein A1	-2,7
Bt.13588.1.A1_at	533044	PSAT1	phosphoserine aminotransferase 1	-2,7
Bt.7948.1.S1_at	518833	CYFIP2	cytoplasmic FMR1 interacting protein 2	-2,7
Bt.5282.1.S1_at	281991	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	-2,7
Bt.11587.3.A1_a_at	504585	SPAG5	sperm associated antigen 5	-2,7
Bt.5496.2.S1_at; Bt.5496.1.A1_at	511673	MMAA	methylmalonic aciduria (cobalamin deficiency) cblA type	-2,7
Bt.28936.1.S1_at	509609	CD101	CD101 molecule	-2,7
Bt.19483.1.A1_at	532586	DEPDC7	DEP domain containing 7	-2,7
Bt.17691.1.A1_at	529566	CREB3L4	cAMP responsive element binding protein 3-like 4	-2,7
Bt.4138.1.S1_a_at	281572	VEGFA	vascular endothelial growth factor A	-2,7
Bt.1892.1.S1_at	513922	GTPBP1	GTP binding protein 1	-2,7
Bt.8251.2.S1_at; Bt.8251.1.A1_at	514192	YEATS2	YEATS domain containing 2	-2,7
Bt.20476.1.S1_at	615879	EFNA4	ephrin-A4	-2,7
Bt.1993.3.A1_a_at; Bt.1993.1.S1_a_at	780855	PPIP5K2	diphosphoinositol pentakisphosphate kinase 2	-2,7
Bt.12872.1.S1_at	513420	BTBD3	BTB (POZ) domain containing 3	-2,8
Bt.22975.1.S1_at; Bt.14438.1.A1_at; Bt.14438.2.A1_a_at; Bt.22975.1.A1_at	767620	TNPO1	transportin 1	-2,8
Bt.22381.1.S1_at	613966	PLA2G10	phospholipase A2, group X	-2,8
Bt.27810.1.S1_at	100125937	SNX22	sorting nexin 22	-2,8
Bt.22437.1.S1_at	613483	LOC613483	similar to MGC17624 protein	-2,8
Bt.19819.1.S1_at	534849	ASPM	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	-2,8
Bt.3194.1.S1_at	511594	IGSF5	immunoglobulin superfamily, member 5	-2,8
Bt.23182.1.S1_at	281156	FDPS	farnesyl diphosphate synthase	-2,8
Bt.10184.1.S1_a_at	523542	CSNK1D	casein kinase 1, delta	-2,8
Bt.27430.2.S1_at; Bt.27430.1.S1_at	506029	STRADB	STE20-related kinase adaptor beta	-2,8
Bt.18474.2.A1_at; Bt.18474.1.A1_at	511417	SHOC2	soc-2 suppressor of clear homolog (C. elegans)	-2,8
Bt.460.1.S1_s_at; Bt.460.1.S1_at	280946	TST	thiosulfate sulfurtransferase (rhodanese)	-2,8
Bt.23278.1.S1_at	280989	AIF1	allograft inflammatory factor 1	-2,8
Bt.13341.1.S1_at	504242	HDAC5	histone deacetylase 5	-2,8
Bt.5524.2.S1_at; Bt.5524.1.S1_at	541050	YTHDF2	YTH domain family, member 2	-2,8
Bt.27229.1.S1_at	617307	SLC19A1	solute carrier family 19 (folate transporter), member 1	-2,8
Bt.9269.1.S1_at	528100	SERP1	stress-associated endoplasmic reticulum protein 1	-2,8
Bt.6578.3.S1_at; Bt.6578.1.A1_a_at	515933	RNF8	ring finger protein 8	-2,8
Bt.26960.1.S1_at	100125938	UBFD1	ubiquitin family domain containing 1	-2,8
Bt.28187.1.S1_at	540322	WEE1	WEE1 homolog (S. pombe)	-2,8
Bt.24981.1.S1_at	513372	MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	-2,8
Bt.22169.1.S1_at	540303	ENO3	enolase 3 (beta, muscle)	-2,8
Bt.24285.1.S1_at	506152	GNL3	guanine nucleotide binding protein-like 3 (nucleolar)	-2,8
Bt.26800.1.S1_a_at	535946	LOC535946	hypothetical LOC535946	-2,8

Bt.27850.1.S1_at	535353	LOC535353	pleckstrin homology domain-containing family G member 6	-2,8
Bt.9521.1.S1_at	512924	RHOD	ras homolog gene family, member D	-2,8
Bt.27319.1.A1_at	508022	CDCA8	cell division cycle associated 8	-2,8
Bt.24779.1.S1_at	505848	LOC505848	similar to transcriptional regulating factor 1	-2,8
Bt.25053.1.A1_at	512522	KIAA0415	hypothetical protein LOC512522	-2,8
Bt.19087.1.A1_at	280869	MTR	5-methyltetrahydrofolate-homocysteine methyltransferase	-2,8
Bt.25661.1.A1_at; Bt.18265.1.A1_at	537027; 100335486	BUB1B; LOC100335486	budding uninhibited by benzimidazoles 1 homolog beta (yeast); budding uninhibited by benzimidazoles 1 homolog beta-like	-2,8
Bt.26797.1.S1_at	504595	DENND2D	DENN/MADD domain containing 2D	-2,8
Bt.13650.1.S1_at	514078	LOC514078	similar to Myosin-Vb	-2,8
Bt.13285.1.A1_at	505690	LARP1	La ribonucleoprotein domain family, member 1	-2,8
Bt.7033.2.S1_at; Bt.7033.2.S1_a_at	539750	FOLR1	folate receptor 1 (adult)	-2,8
Bt.20530.1.S1_at	534628	NMRAL1	NmrA-like family domain containing 1	-2,9
Bt.25826.1.A1_at	538919	PLEKHA8	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8	-2,9
Bt.4977.1.S1_at	281849	IGF2R	insulin-like growth factor 2 receptor	-2,9
Bt.5934.1.S1_at	523998	NEK2	NIMA (never in mitosis gene a)-related kinase 2	-2,9
Bt.18809.1.A1_at	614701	SLC22A23	solute carrier family 22, member 23	-2,9
Bt.20117.2.S1_at; Bt.20117.1.A1_at	513047	ING1	inhibitor of growth family, member 1	-2,9
Bt.25855.3.A1_a_at; Bt.25855.2.S1_at	504350	ENPEP	glutamyl aminopeptidase (aminopeptidase A)	-2,9
Bt.22497.3.S1_at	100140210	USP30	ubiquitin specific peptidase 30	-2,9
Bt.25834.1.A1_at	520088	MELK	maternal embryonic leucine zipper kinase	-2,9
Bt.28366.2.S1_at	504746	ECT2	epithelial cell transforming sequence 2 oncogene	-2,9
Bt.21675.1.S1_at	404150	METAP2	methionyl aminopeptidase 2	-2,9
Bt.16464.1.A1_at	534697	KLHL7	kelch-like 7 (Drosophila)	-2,9
Bt.26363.1.A1_at	617289	LOC617289	hypothetical protein LOC617289	-2,9
Bt.12301.1.S1_at	282329	PTGER2	prostaglandin E receptor 2 (subtype EP2), 53kDa	-2,9
Bt.12849.1.S1_at	317704	SLCO2B1	solute carrier organic anion transporter family, member 2B1	-2,9
Bt.4811.1.S1_at	619066	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	-2,9
Bt.23504.1.A1_at	533264	SULF2	sulfatase 2	-2,9
Bt.21225.1.S1_at	514364	LOC514364	similar to eyes absent 3 homolog (Drosophila) (predicted)	-2,9
Bt.15845.2.S1_at; Bt.15845.1.S1_at	510230	PPP4R1	protein phosphatase 4, regulatory subunit 1	-2,9
Bt.29915.2.S1_at	506632	KLHL21	kelch-like 21 (Drosophila)	-3,0
Bt.26877.1.A1_at	537711	ABI2	abl-interactor 2	-3,0
Bt.18132.1.A1_at	516290	ARHGEF5	Rho guanine nucleotide exchange factor (GEF) 5	-3,0
Bt.18756.1.S1_at	789618	CDC42SE2	CDC42 small effector 2	-3,0
Bt.17819.2.A1_at; Bt.17819.1.S1_at	617802	SCNN1G	sodium channel, nonvoltage-gated 1, gamma	-3,0
Bt.29619.1.A1_at	100271839	C23H6orf141	chromosome 6 open reading frame 141 ortholog	-3,0
Bt.26538.1.S1_at	509420	LOC509420	chromosome 9 open reading frame 61-like	-3,0
Bt.24844.1.S1_at	281681	CENPE	centromere protein E, 312kDa	-3,0
Bt.13670.1.S2_at; Bt.13670.1.S1_at	280994	ALPL	alkaline phosphatase, liver/bone/kidney	-3,0
Bt.4280.1.A1_at	506991	TXNDC12	thioredoxin domain containing 12 (endoplasmic reticulum)	-3,0
Bt.4795.1.S1_at	282365	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	-3,0
Bt.11748.2.S1_a_at; Bt.11748.1.A1_at	534672	LOC534672	similar to family with sequence similarity 20, member C	-3,0

Bt.13052.1.S1_at; Bt.13052.1.A1_at	281647	XIAP	X-linked inhibitor of apoptosis	-3,0
Bt.9111.2.S1_at	514967	KCTD20	potassium channel tetramerisation domain containing 20	-3,0
Bt.16886.1.A1_a_at	518653	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	-3,0
Bt.24583.2.S1_at	513929	FKBPL	FK506 binding protein like	-3,0
Bt.25960.1.A1_at	517459	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	-3,0
Bt.24811.1.A1_at	515718	LOC515718	vav 2 protein	-3,1
Bt.11082.1.S1_at	507353	C23H6orf129	transmembrane and coiled-coil domain-containing protein C6orf129 homolog	-3,1
Bt.18354.1.A1_at	100125877	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	-3,1
Bt.20598.1.S1_at	507276	DHRS12	dehydrogenase/reductase (SDR family) member 12	-3,1
Bt.21911.1.S1_at	537070	PMM1	phosphomannomutase 1	-3,1
Bt.25928.1.A1_at	282447	BICD2	bicaudal D homolog 2 (Drosophila)	-3,1
Bt.359.1.S1_at	281577	WASL	Wiskott-Aldrich syndrome-like	-3,1
Bt.12927.2.S1_at	509120	RCC2	regulator of chromosome condensation 2	-3,1
Bt.4303.1.S1_at	280712	ADA	adenosine deaminase	-3,1
Bt.28797.2.S1_at; Bt.10816.1.S1_s_at; Bt.28797.1.A1_at	513551	CENPN	centromere protein N	-3,1
Bt.17238.2.A1_at	538602	EXT1	exostosin 1	-3,1
Bt.236.1.S1_at	280737	BTC	betacellulin	-3,1
Bt.20220.1.S1_at	617024	E2F2	E2F transcription factor 2	-3,1
Bt.10391.1.S1_at	541250	PSRC1	proline/serine-rich coiled-coil 1	-3,1
Bt.17765.2.A1_at; Bt.17765.1.S1_at	510535	FSD1L	fibronectin type III and SPRY domain containing 1-like	-3,1
Bt.13930.2.S1_at; Bt.13930.1.A1_at	539979	TESK2	testis-specific kinase 2	-3,1
Bt.5819.1.S1_at	513643	FOXN1	forkhead box M1	-3,1
Bt.19431.1.S1_s_at; Bt.19431.1.S1_at	445421	MRPS14	mitochondrial ribosomal protein S14	-3,1
Bt.5262.1.S1_at	505200	CCNF	cyclin F	-3,1
Bt.241.1.S1_at	281944	NR2E3	nuclear receptor subfamily 2, group E, member 3	-3,1
Bt.8305.1.A1_at; Bt.26482.1.S1_at	536793	FXR1	fragile X mental retardation, autosomal homolog 1	-3,1
Bt.4224.1.S1_at; Bt.23225.1.S1_at	280715	AK1	adenylate kinase 1	-3,1
Bt.16062.1.A1_at; Bt.15455.1.A1_at	781063	TBX3	T-box 3	-3,1
Bt.8199.1.S1_at	539466	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-3,2
Bt.17915.1.S1_at	531234	NCAPG	non-SMC condensin I complex, subunit G	-3,2
Bt.20253.1.S1_at	506848	SIKE1	suppressor of IKBKE 1	-3,2
Bt.19664.1.A1_at	509100	C3H1ORF210	chromosome 1 open reading frame 210 ortholog	-3,2
Bt.17311.2.S1_at; Bt.17311.1.A1_at	534054	RP2	retinitis pigmentosa 2 (X-linked recessive)	-3,2
Bt.5183.2.S1_at; Bt.5183.1.S1_at	777775	TUBA4A	tubulin, alpha 4a	-3,2
Bt.9517.1.S1_a_at	509117	SPC24	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae)	-3,2
Bt.9579.2.S1_a_at; Bt.9579.1.S1_at	539753	BTF3L4	basic transcription factor 3-like 4	-3,2
Bt.257.1.S1_at	337899	PAG5	pregnancy-associated glycoprotein 5	-3,2
Bt.19192.1.S1_at	530624	ADAMTSL1	ADAMTS-like 1	-3,2
Bt.25725.1.A1_at	781847	NUFIP2	nuclear fragile X mental retardation protein interacting protein 2	-3,2
Bt.4332.1.S2_at; Bt.4332.1.S1_at	281677	CEBPA	CCAAT/enhancer binding protein (C/EBP), alpha	-3,2

Bt.2262.1.S1_at	539381	CSRP2	cysteine and glycine-rich protein 2	-3,2
Bt.21181.1.S1_at	532359	FOXK2	forkhead box K2	-3,2
Bt.2081.3.S1_at; Bt.2081.1.A1_at; Bt.2081.2.S1_at	767843	POLR3H	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	-3,2
Bt.17935.1.S1_at	514212	MYH14	myosin, heavy chain 14, non-muscle	-3,2
Bt.16666.1.A1_at	519739	AGPAT9	1-acylglycerol-3-phosphate O-acyltransferase 9	-3,2
Bt.16905.1.S1_at				-3,2
Bt.27240.2.S1_at; Bt.27240.1.A1_at	507969	SLCO4A1	solute carrier organic anion transporter family, member 4A1	-3,2
Bt.27743.2.A1_at	511675	RSPO1	R-spondin homolog (<i>Xenopus laevis</i>)	-3,2
Bt.16177.1.S1_at	537533	DGKH	diacylglycerol kinase, eta	-3,2
Bt.24513.1.S1_at	525655	USP12	ubiquitin specific peptidase 12	-3,3
Bt.26591.1.S1_at; Bt.18238.1.S1_at; Bt.18238.2.A1_at	520599	TBC1D10C	TBC1 domain family, member 10C	-3,3
Bt.28333.1.S1_at	616252	GIF	gastric intrinsic factor (vitamin B synthesis)	-3,3
Bt.5515.1.S1_at	281363	NT5E	5'-nucleotidase, ecto (CD73)	-3,3
Bt.4222.1.S1_at; Bt.10194.1.A1_s_at; Bt.10194.1.A1_x_at; Bt.20871.1.S1_at; Bt.28437.1.S1_at; Bt.29678.1.A1_at; Bt.29678.1.S1_at	404051	SERPINB6	serpin peptidase inhibitor, clade B (ovalbumin), member 6	-3,3
Bt.25700.1.A1_at	505569	CLCN2	chloride channel 2	-3,3
Bt.621.1.S1_at	505060	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	-3,3
Bt.22451.1.S1_at	532337	GSPT1	G1 to S phase transition 1	-3,3
Bt.29462.1.S1_at	515287	CDCA2	cell division cycle associated 2	-3,3
Bt.26767.1.S1_at	767948	FAF2	Fas associated factor family member 2	-3,3
Bt.12500.2.S1_a_at	540990	LCP1	lymphocyte cytosolic protein 1 (L-plastin)	-3,3
Bt.11984.2.S1_at	515919	EPB41L1	erythrocyte membrane protein band 4.1-like 1	-3,3
Bt.16374.2.S1_at; Bt.16374.1.A1_at	541080	FUBP3	far upstream element (FUSE) binding protein 3	-3,3
Bt.18290.1.A1_at	506182	TRAF3	TNF receptor-associated factor 3	-3,3
Bt.28647.1.A1_at	337909	PAG15-as	antisense to pregnancy-associated glycoprotein 15	-3,3
Bt.2114.1.S1_at	508490	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	-3,3
Bt.25194.1.A1_at	524913	PIBF1	progesterone immunomodulatory binding factor 1	-3,3
Bt.6685.1.S1_at; Bt.20862.1.A1_at; Bt.20862.2.S1_at	517539	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	-3,3
Bt.28201.1.S1_at	507710	TMEM92	transmembrane protein 92	-3,3
Bt.23336.1.S1_at	510073	CD7	CD7 molecule	-3,4
Bt.12465.1.A1_at	505537	RRM1	ribonucleotide reductase M1	-3,4
Bt.6074.1.S1_at	404153	CLDN3	claudin 3	-3,4
Bt.6374.1.S1_at; Bt.19163.1.A1_at	538883	DEM1	defects in morphology 1 homolog (<i>S. cerevisiae</i>)	-3,4
Bt.19958.1.A1_at	513301	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	-3,4
Bt.13772.1.A1_at	282870	CYP1A1	cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 1	-3,4
Bt.27441.1.S1_at	539441	SARG	chromosome 1 open reading frame 116 ortholog	-3,4
Bt.487.1.S1_at	281750	EDNRB	endothelin receptor type B	-3,4
Bt.4073.1.S1_at	281430	PRP3	prolactin-related protein 3	-3,4
Bt.16873.1.S1_at	515710	HSD17B2	hydroxysteroid (17-beta) dehydrogenase 2	-3,4
Bt.26248.1.A1_at	537500	PRDM5	PR domain containing 5	-3,4
Bt.17646.2.S1_at	509448	TFCP2	transcription factor CP2	-3,4

Bt.7490.1.A1_at	534296	MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	-3,4
Bt.21774.2.S1_a_at	520111	TRIM27	tripartite motif-containing 27	-3,4
Bt.6067.1.S1_at	515820	SH2D3C	SH2 domain containing 3C	-3,4
Bt.21614.2.S1_at; Bt.21614.1.A1_at	508790	TMEM120B	transmembrane protein 120B	-3,4
Bt.20768.1.S1_at	529859	LOC529859	hypothetical LOC529859	-3,4
Bt.9950.1.S1_at; Bt.23672.1.A1_at	536815	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	-3,4
Bt.9683.1.A1_at	512743	LY6G6E	lymphocyte antigen 6 complex, locus G6E	-3,5
Bt.21143.1.A1_at; Bt.12603.1.S1_at	504657	ARHGAP29	Rho GTPase activating protein 29	-3,5
Bt.26619.1.S1_at	514456	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	-3,5
Bt.21284.2.S1_at; Bt.20706.1.A1_at; Bt.21284.1.A1_at	506264	CRIM1	cysteine rich transmembrane BMP regulator 1 (chordin-like)	-3,5
Bt.17479.1.A1_at	510319	CABYR	calcium binding tyrosine-(Y)-phosphorylation regulated	-3,5
Bt.25082.1.A1_at	514345	MCOLN3	mucolipin 3	-3,5
Bt.2568.1.S1_at	280981	PLIN2	perilipin 2	-3,5
Bt.27417.2.S1_at	521106	UTP3	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	-3,5
Bt.18259.1.A1_at	539224	PAK6	p21 protein (Cdc42/Rac)-activated kinase 6	-3,5
Bt.4011.1.S1_at	520173	TMEM120A	transmembrane protein 120A	-3,5
Bt.20527.1.S1_at	506260	ARHGAP32	Rho GTPase activating protein 32	-3,5
Bt.1560.1.S1_at	538967	CDC42EP3	CDC42 effector protein (Rho GTPase binding) 3	-3,5
Bt.18692.1.S1_at	507226	TPX2	TPX2, microtubule-associated, homolog (Xenopus laevis)	-3,6
Bt.1745.1.S1_at	506480	KRT18	keratin 18	-3,6
Bt.15740.2.S1_at; Bt.15740.1.A1_at	534629	TPD52L1	tumor protein D52-like 1	-3,6
Bt.15983.1.S1_at	337903	PAG9	pregnancy-associated glycoprotein 9	-3,6
Bt.16670.1.A1_at	100297185	LOC100297185	hypothetical protein LOC100297185	-3,6
Bt.15569.1.A1_at	782689	LOC782689	alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3-like	-3,6
Bt.41.1.S1_at	281668	CCNB2	cyclin B2	-3,6
Bt.24074.1.A1_at; Bt.18751.1.S1_at; Bt.18751.2.A1_s_at	533289	PIP4K2A	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	-3,6
Bt.24374.1.S1_at	520625	SLC44A4	solute carrier family 44, member 4	-3,6
Bt.20886.1.A1_at	513828	TBC1D2	TBC1 domain family, member 2	-3,6
Bt.17925.1.A1_at				-3,6
Bt.1055.1.S1_at	518563	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	-3,7
Bt.17136.1.A1_at	517290	LIPM	lipase, family member M	-3,7
Bt.8064.1.S1_at	508942	LIMD2	LIM domain containing 2	-3,7
Bt.18944.1.A1_at	614299	KCNIP4	Kv channel interacting protein 4	-3,7
Bt.20574.1.S1_at; Bt.19660.1.A1_at	510038	AQP11	aquaporin 11	-3,7
Bt.16838.2.A1_at	619179	LOC619179	apolipoprotein L2-like	-3,7
Bt.25989.1.A1_at	508454	GJB6	gap junction protein, beta 6, 30kDa	-3,7
Bt.9760.1.S1_at; Bt.29716.1.A1_at; Bt.29716.1.S1_at	407154	GJB2	gap junction protein, beta 2, 26kDa	-3,7
Bt.13927.2.S1_at	505415	LOC505415	hypothetical protein LOC505415	-3,7
Bt.2392.1.S1_at	404124	ST6GALNAC2	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	-3,7
Bt.24777.1.A1_at	535263	SCML4	sex comb on midleg-like 4 (Drosophila)	-3,7

Bt.26310.1.A1_at; Bt.18644.1.A1_at	534793	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	-3,7
Bt.27370.1.S1_at	539353	HEATR3	HEAT repeat containing 3	-3,8
Bt.25164.1.A1_at	781222	TSPAN19	tetraspanin 19	-3,8
Bt.28307.1.S1_at	525823	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	-3,8
Bt.11449.1.S1_at	525256	PREB	prolactin regulatory element binding	-3,8
Bt.23325.1.A1_at	530401	NFATC2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	-3,8
Bt.18643.2.S1_at	497199	CFLAR	CASP8 and FADD-like apoptosis regulator	-3,8
Bt.25377.1.S1_at; Bt.18793.1.A1_at; Bt.18793.2.S1_at	510256	SVOP	SV2 related protein homolog (rat)	-3,8
Bt.21473.2.S1_at; Bt.21473.1.A1_a_at; Bt.21473.1.A1_at	539387	MPZL1	myelin protein zero-like 1	-3,8
Bt.16088.1.A1_at	532574	MYO5C	myosin VC	-3,8
Bt.14395.2.S1_at; Bt.14395.1.A1_at	780785	C3orf57	small subunit of serine palmitoyltransferase B	-3,9
Bt.6299.1.S1_at	538476	LOC538476	similar to Protein FAM83F	-3,9
Bt.20957.2.S1_at; Bt.20957.1.A1_at	613985	LOC613985	Rho-related BTB domain containing 2-like	-3,9
Bt.26137.1.A1_at	100140419	ASXL2	additional sex combs like 2 (Drosophila)	-3,9
Bt.19244.1.A1_at; Bt.1364.1.S1_a_at; Bt.1364.3.A1_at	524513	SERPINB9	serpin peptidase inhibitor, clade B (ovalbumin), member 9	-3,9
Bt.4160.1.S1_at	282095	TNNT1	troponin T type 1 (skeletal, slow)	-3,9
Bt.20970.1.A1_at; Bt.19052.1.A1_at	540076	KIF21A	kinesin family member 21A	-3,9
Bt.20310.3.S1_at; Bt.20310.1.S1_at; Bt.20310.2.A1_at	505572	DOCK5	dedicator of cytokinesis 5	-3,9
Bt.9410.1.S1_at	784254	CA1	carbonic anhydrase 1-like	-3,9
Bt.10196.2.S1_at; Bt.10196.1.A1_at	509338	DKK4	dickkopf homolog 4 (Xenopus laevis)	-3,9
Bt.1739.1.S1_at	445416	FZD4	frizzled homolog 4 (Drosophila)	-4,0
Bt.23611.2.S1_at	540975	TIPARP	TCDD-inducible poly(ADP-ribose) polymerase	-4,0
Bt.7860.2.S1_a_at; Bt.7860.1.S1_s_at	534119	DTNB	dystrobrevin, beta	-4,0
Bt.28185.1.S1_at	514618	RACGAP1	Rac GTPase activating protein 1	-4,0
Bt.16701.1.S1_at	504480	SGK3	serum/glucocorticoid regulated kinase family, member 3	-4,0
Bt.10170.1.S1_at	337900	PAG6	pregnancy-associated glycoprotein 6	-4,0
Bt.27804.1.S1_at	535750	ALS2	amyotrophic lateral sclerosis 2 (juvenile)	-4,1
Bt.9598.1.S1_at	506687	SLC37A2	solute carrier family 37 (glycerol-3-phosphate transporter), member 2	-4,1
Bt.19330.1.A1_s_at	616665	FNBP1L	formin binding protein 1-like	-4,1
Bt.11263.1.S1_at	518157	DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1	-4,1
Bt.22552.1.S1_at	514447	CLSTN1	calsyntenin 1	-4,1
Bt.28798.1.A1_at; Bt.19083.1.S1_at	504991	ANKRD22	ankyrin repeat domain 22	-4,1
Bt.6641.1.S1_at; Bt.18503.1.A1_at	513428	PPIH	peptidylprolyl isomerase H (cyclophilin H)	-4,1
Bt.24923.1.S1_at	535060	SEL1L3	sel-1 suppressor of lin-12-like 3 (C. elegans)	-4,1
Bt.6521.1.A1_at	539687	PARD6B	par-6 partitioning defective 6 homolog beta (C. elegans)	-4,2
Bt.22740.1.A1_at	539417	C1GALT1	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	-4,2

Bt.16021.1.S1_at	338070	CHRNA1	cholinergic receptor, nicotinic, alpha 1 (muscle)	-4,2
Bt.28952.1.S1_at; Bt.19053.1.A1_at	534067	USP34	ubiquitin specific peptidase 34	-4,2
Bt.20982.1.A1_at	539646	GAPVD1	GTPase activating protein and VPS9 domains 1	-4,2
Bt.19065.1.S1_at; Bt.14043.3.S1_at	510084	ANKRD10	ankyrin repeat domain 10	-4,2
Bt.7211.1.S1_at; Bt.15579.1.A1_at	282351	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	-4,2
Bt.25992.1.A1_at	528109	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	-4,2
Bt.22133.2.S1_a_at	534304	STX17	syntaxin 17	-4,2
Bt.26470.2.S1_at; Bt.26470.1.S1_at	524593	LOC524593	similar to opposite strand transcription unit to Stag3	-4,3
Bt.16370.1.S1_at	535023	FAM107B	family with sequence similarity 107, member B	-4,3
Bt.10090.1.S1_at	407118	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	-4,3
Bt.27591.1.S1_at	541134	UBTD2	ubiquitin domain containing 2	-4,3
Bt.16838.1.S1_at	404108	MYH9	myosin, heavy chain 9, non-muscle	-4,3
Bt.7331.1.S2_at; Bt.7331.1.S1_at	360192	AURKB	aurora kinase B	-4,3
Bt.12761.1.A1_at	281872	ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	-4,4
Bt.10136.1.S1_at	523046	FAT2	FAT tumor suppressor homolog 2 (Drosophila)	-4,4
Bt.25977.2.A1_at; Bt.25977.1.S1_at	540703	FOXJ2	forkhead box J2	-4,4
Bt.22223.2.S1_at; Bt.22223.1.S1_at	510781	JOSD1	Josephin domain containing 1	-4,4
Bt.18625.1.A1_at	613533	FLNB	filamin B, beta	-4,5
Bt.16727.2.S1_at; Bt.16727.1.A1_at	530874	CLN8	ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation)	-4,5
Bt.15538.2.A1_at	497206	PRP-VII	prolactin-related protein VII	-4,5
Bt.26985.1.A1_at	506540	TCL1A	T-cell leukemia/lymphoma 1A	-4,5
Bt.14565.1.A1_at	534218	LOC534218	reelin-like	-4,5
Bt.22749.1.A1_at; Bt.22634.1.S1_at; Bt.22634.2.A1_at; Bt.22634.3.S1_at	538209	PTGFRN	prostaglandin F2 receptor negative regulator	-4,6
Bt.17910.2.S1_at; Bt.17910.1.A1_at	617620	CORO2A	coronin, actin binding protein, 2A	-4,6
Bt.21399.3.S1_a_at				-4,6
Bt.227.2.A1_at; Bt.227.2.A1_a_at	777644	GSTA3	glutathione S-transferase alpha 3	-4,6
Bt.19962.1.S1_at	613828	DR1	down-regulator of transcription 1, TBP-binding (negative cofactor 2)	-4,6
Bt.6359.1.S1_at	540869	SLC30A4	solute carrier family 30 (zinc transporter), member 4	-4,6
Bt.26204.1.A1_at	532895	TTC39C	tetratricopeptide repeat domain 39C	-4,7
Bt.6354.1.S1_at	539337	WNT10B	wingless-type MMTV integration site family, member 10B	-4,7
Bt.21149.1.A1_at; Bt.10282.1.S1_at; Bt.17743.1.S1_at	540830	HHIP	hedgehog interacting protein	-4,7
Bt.6372.1.A1_at	504861	LOC504861	similar to cationic amino acid transporter 5	-4,7
Bt.13219.1.S1_at	614679	HEXIM2	hexamethylene bis-acetamide inducible 2	-4,7
Bt.259.2.S1_a_at	337901; 100336184	PAG7; LOC100336184	pregnancy-associated glycoprotein 7; PAG7 protein-like	-4,7
Bt.13301.2.S1_at; Bt.13301.1.S1_at	504226	URGCP	upregulator of cell proliferation	-4,8
Bt.619.1.S1_at	100336629	LOC100336629	Yes-associated protein 1, 65kDa-like	-4,8

Bt.633.3.S1_at; Bt.633.1.S1_at; Bt.633.2.S1_a_at; Bt.633.2.S1_at	511375	SFXN1	sideroflexin 1	-4,8
Bt.20167.1.S1_at	527051	CIDEA	cell death-inducing DFFA-like effector a	-4,8
Bt.9078.2.S1_a_at	505916	SRM	spermidine synthase	-4,9
Bt.24527.1.S1_at	781834	ATF7IP	activating transcription factor 7 interacting protein	-4,9
Bt.24154.1.A1_at	506114	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2)	-4,9
Bt.25098.1.S1_at	520518	LOC520518	similar to Hcp beta-lactamase-like protein C1orf163	-4,9
Bt.22998.1.S1_at	516021	SLC5A6	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	-4,9
Bt.6523.2.S1_at; Bt.6523.1.A1_at	613977	LOC613977	similar to TPA-induced transmembrane protein	-4,9
Bt.18055.1.A1_at	509753	PLEKHG4	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	-4,9
Bt.16453.1.A1_at	511661	SLC6A14	solute carrier family 6 (amino acid transporter), member 14	-4,9
Bt.18817.2.A1_at; Bt.18817.1.A1_at	537131	SMG7	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	-4,9
Bt.14014.1.S1_at	783956	LOC783956	similar to BCL2-like 10 (apoptosis facilitator)	-5,0
Bt.27324.1.A1_at	504632	CNNM2	cyclin M2	-5,0
Bt.7979.1.S1_at	525698	C8H4orf27	chromosome 4 open reading frame 27 ortholog	-5,0
Bt.27596.2.A1_a_at; Bt.10538.1.A1_at; Bt.21970.1.S1_at	615069	LOC615069	hypothetical protein LOC615069	-5,0
Bt.18789.2.A1_at; Bt.18789.1.S1_at	541204	ATF7	activating transcription factor 7	-5,1
Bt.27068.1.A1_at	538617	TRIM2	tripartite motif-containing 2	-5,1
Bt.8238.1.A1_at	538465	TRIB3	tribbles homolog 3 (Drosophila)	-5,1
Bt.15691.1.S1_at	782166	KCNK5	potassium channel, subfamily K, member 5	-5,1
Bt.9304.1.S1_at	767898	ZFP36L2	zinc finger protein 36, C3H type-like 2	-5,1
Bt.25227.1.A1_at	785855	HOXB8	homeobox B8	-5,2
Bt.15986.1.S1_at	337911	PAG18	pregnancy-associated glycoprotein 18	-5,2
Bt.2421.1.A1_at	782309	PLEKHF1	pleckstrin homology domain containing, family F (with FYVE domain) member 1	-5,2
Bt.27781.1.S1_at; Bt.23486.1.A1_at; Bt.23486.2.S1_at; Bt.23486.3.S1_at	515330	MYO9A	myosin IXA	-5,2
Bt.15914.2.S1_at; Bt.15914.1.A1_at	614868	KHK	ketoheokinase (fructokinase)	-5,3
Bt.22232.1.S1_at	534311	TOR2A	torsin family 2, member A	-5,4
Bt.20428.2.S1_a_at	767818	PRC1	protein regulator of cytokinesis 1	-5,4
Bt.3933.1.S1_at	507073	CCDC64B	coiled-coil domain containing 64B	-5,4
Bt.612.2.S1_at; Bt.612.1.S1_at	506406	GSR	glutathione reductase	-5,4
Bt.22594.3.S1_at; Bt.22594.1.S1_at; Bt.22594.2.S1_a_at	789894	LOC789894	similar to PAP-associated domain-containing protein 5 (Topoisomerase-related function protein 4-2) (TRF4-2)	-5,4
Bt.25953.1.A1_at	286857	PAX6	paired box 6	-5,4
Bt.20694.1.A1_at	515749	CTNNAL1	catenin (cadherin-associated protein), alpha-like 1	-5,5
Bt.25587.1.A1_at	519219	SERPINI2	serpin peptidase inhibitor, clade I (pancpin), member 2	-5,5
Bt.25446.1.S1_at	514277	TMEM138	transmembrane protein 138	-5,5
Bt.222.1.S1_at	281719	CRYAB	crystallin, alpha B	-5,6
Bt.16069.1.A1_at; Bt.16069.2.S1_at		AY563735	Bos taurus clone NG010005A10C07 mRNA	-5,6
Bt.18623.1.A1_at	510159	MAPRE2	microtubule-associated protein, RP/EB family, member 2	-5,6

Bt.25073.1.A1_at	616071	LOC616071	similar to gamma-aminobutyric acid (GABA-A) transporter 4	-5,6
Bt.16235.1.A1_at	515407	MOBK1A	MOB1, Mps One Binder kinase activator-like 1A (yeast)	-5,6
Bt.619.2.A1_at	617423; 787360; 100336629	YAP1; LOC787360; LOC100336629	Yes-associated protein 1, 65kDa-like; Yes-associated protein 1, 65kDa; Yes-associated protein 1, 65kDa-like	-5,6
Bt.18982.1.A1_at	534718	STXBP6	syntaxin binding protein 6 (amisyn)	-5,6
Bt.21270.1.S1_at	533374	GGCT	gamma-glutamylcyclotransferase	-5,6
Bt.19482.1.A1_at	504698	TFRC	transferrin receptor (p90, CD71)	-5,7
Bt.27582.1.S1_at				-5,7
Bt.28525.1.S1_at	505069	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	-5,7
Bt.18256.1.S1_at	513137	TMEM72	transmembrane protein 72-like	-5,8
Bt.16427.1.S1_at	512583	CCBP2	chemokine binding protein 2	-5,8
Bt.27925.1.A1_at	539200	RNF183	ring finger protein 183	-5,9
Bt.17902.1.A1_at	533130	PHLPP2	PH domain and leucine rich repeat protein phosphatase 2	-5,9
Bt.23526.1.S1_at	617466	MRPS24	mitochondrial ribosomal protein S24	-6,0
Bt.19717.2.S1_at; Bt.19717.1.S1_at	785809	LOC785809	similar to CG12393 CG12393-PA	-6,0
Bt.3435.1.A1_at	507975	FIBIN	fin bud initiation factor homolog (zebrafish)	-6,1
Bt.227.3.A1_x_at; Bt.227.1.A1_at; Bt.227.3.A1_a_at	281805	GSTA1	glutathione S-transferase alpha 1	-6,2
Bt.22888.1.S1_at	281946	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	-6,2
Bt.23550.1.S1_at	404129	DGAT2	diacylglycerol O-acyltransferase 2	-6,2
Bt.24656.1.A1_at	540304	WIPF1	WAS/WASL interacting protein family, member 1	-6,3
Bt.16765.1.S1_at	535675	PTPRU	protein tyrosine phosphatase, receptor type, U	-6,3
Bt.17955.1.A1_at; Bt.15533.1.A1_at	537433	SOBP	sine oculis binding protein homolog (Drosophila)	-6,3
Bt.25462.1.S1_at	511754	CDK6	cyclin-dependent kinase 6	-6,3
Bt.15980.1.A1_at	327679	CCNB1	cyclin B1	-6,4
Bt.3226.1.S1_at	510243	HMOX2	heme oxygenase (decycling) 2	-6,5
Bt.26192.1.A1_at	534164	SLIT2	slit homolog 2 (Drosophila)	-6,5
Bt.276.1.S1_at	282366	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	-6,5
Bt.19922.1.S1_at	516058	HPD	4-hydroxyphenylpyruvate dioxygenase	-6,5
Bt.27637.1.A1_at	525892	WDR72	WD repeat domain 72	-6,6
Bt.8152.2.S1_at	532807	LOC532807	similar to RUN and FYVE domain containing 3	-6,6
Bt.19901.1.A1_at	614774	C6H4orf34	chromosome 4 open reading frame 34 ortholog	-6,7
Bt.4800.2.S1_at; Bt.15492.1.A1_at; Bt.4800.1.S1_at	534844	LOC534844	thrombospondin, type I, domain containing 4-like	-6,8
Bt.19772.1.A1_at	527708	LRRC8C	leucine rich repeat containing 8 family, member C	-6,8
Bt.20247.1.S1_at	509931	FAM117A	family with sequence similarity 117, member A	-6,8
Bt.28313.1.S1_at	512905	APOL3	apolipoprotein L, 3	-6,8
Bt.9026.1.S1_at; Bt.18824.1.A1_at	281878	ITPR2	inositol 1,4,5-triphosphate receptor, type 2	-6,9
Bt.25436.1.S1_a_at	540090	RNF2	ring finger protein 2	-6,9
Bt.3068.2.S1_a_at; Bt.3068.1.S1_at	515476	ORC6L	origin recognition complex, subunit 6 like (yeast)	-6,9
Bt.16580.2.S1_at; Bt.16580.1.S1_at	533188	CD2AP	CD2-associated protein	-7,1
Bt.24576.1.A1_at	533785	BPGM	2,3-bisphosphoglycerate mutase	-7,1
Bt.293.1.S1_at	337915	PAG21	pregnancy-associated glycoprotein 21	-7,1
Bt.26890.1.S1_at	510420	MYBL2	v-myb myeloblastosis viral oncogene homolog (avian)-like 2	-7,3

Bt.22977.3.S1_a_at; Bt.13407.1.S1_at	353354	DNMT3B	DNA (cytosine-5-)-methyltransferase 3 beta	-7,6
Bt.3187.1.A1_s_at	539084	SLC5A11	solute carrier family 5 (sodium/glucose cotransporter), member 11	-7,8
Bt.26735.1.S1_at	511556	SLC46A2	solute carrier family 46, member 2	-8,1
Bt.1565.2.S1_at; Bt.1565.1.S1_at	512648	ELL3	elongation factor RNA polymerase II-like 3	-8,3
Bt.288.1.S1_at	337909	PAG15	pregnancy-associated glykoprotein 15	-8,4
Bt.15808.1.S1_at	520348	MARCH3	membrane-associated ring finger (C3HC4) 3	-8,5
Bt.28669.1.A1_at; Bt.15561.2.A1_s_at	505991	CHAC1	ChaC, cation transport regulator homolog 1 (E. coli)	-8,6
Bt.4758.1.S1_at	281758	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	-9,5
Bt.28.1.S1_at	282382	TGFBR1	transforming growth factor, beta receptor 1	-9,7
Bt.22479.1.S1_at	538794	CPEB4	cytoplasmic polyadenylation element binding protein 4	-10,0
Bt.15982.1.S1_at; Bt.18865.1.A1_at	337896	PAG3	pregnancy-associated glycoprotein 3	-10,1
Bt.4129.1.S1_at	337912	PAG17	pregnancy-associated glycoprotein 17	-10,4
Bt.18460.1.A1_at	539795	ABHD3	abhydrolase domain containing 3	-11,0
Bt.19690.1.A1_at	523798	PON1	paraoxonase 1	-11,7
Bt.25070.1.S1_at	513234	OSAP	ovary-specific acidic protein	-12,6
Bt.19084.1.A1_at	527631	PLA2G3	phospholipase A2, group III	-14,3