

Appendix 1: Signature genes for different blood cell types.

Blood Fraction	Cell Type	Source	Probe Set ID	Description	Symbol	Blood Fraction	Cell Type	Source	Probe Set ID	Description	Symbol	
Mono-nuclear cells	Lymphocytes	GSK	203547_at	CD4 antigen (p55)	CD4			Whitney <i>et al.</i>	209813_x_at	T cell receptor gamma locus	TRG	
		Whitney <i>et al.</i>	203104_at	colony stimulating factor 1 receptor, formerly McDonough feline sarcoma viral (v-fms) oncogene homolog	CSF1R		Whitney <i>et al.</i>	209995_s_at	T-cell leukemia/lymphoma 1A	TCL1A		
		Whitney <i>et al.</i>	203290_at	major histocompatibility complex, class II, DQ alpha 1	HLA-DQA1		Whitney <i>et al.</i>	210164_at	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	GZMB		
		Whitney <i>et al.</i>	203413_at	NEL-like 2 (chicken)	NELL2		Whitney <i>et al.</i>	210321_at	similar to granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) (H. sapiens)	CTLA1		
		Whitney <i>et al.</i>	203828_s_at	natural killer cell transcript 4	NK4		Whitney <i>et al.</i>	212827_at	immunoglobulin heavy constant mu	IGHM		
		Whitney <i>et al.</i>	203932_at	major histocompatibility complex, class II, DM beta	HLA-DMB		Whitney <i>et al.</i>	212998_x_at	major histocompatibility complex, class II, DQ beta 1	HLA-DQB1		
		Whitney <i>et al.</i>	204655_at	chemokine (C-C motif) ligand 5	CCL5		Whitney <i>et al.</i>	212999_x_at	major histocompatibility complex, class II, DQ beta 1	HLA-DQB1		
		Whitney <i>et al.</i>	204661_at	CDW52 antigen (CAMPATH-1 antigen)	CDW52		Whitney <i>et al.</i>	213193_x_at	T cell receptor beta locus	TRB		
		Whitney <i>et al.</i>	205049_s_at	CD79A antigen (immunoglobulin-associated alpha)	CD79A		Whitney <i>et al.</i>	213425_at	Homo sapiens cDNA FLJ11441 fis, clone HEMBA1001323, mRNA sequence			
		Whitney <i>et al.</i>	205291_at	interleukin 2 receptor, beta	IL2RB		Whitney <i>et al.</i>	213958_at	CD6 antigen	CD6		
		Whitney <i>et al.</i>	205484_at	SHP2 interacting transmembrane adaptor	SIT		Whitney <i>et al.</i>	214450_at	cathepsin W (lymphopain)	CTSW		
		Whitney <i>et al.</i>	205488_at	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	GZMA		Whitney <i>et al.</i>	214470_at	killer cell lectin-like receptor subfamily B, member 1	KLRB1		
		Whitney <i>et al.</i>	205495_s_at	granulysin	GNLY		Whitney <i>et al.</i>	214617_at	Perforin, mRNA sequence			
		Whitney <i>et al.</i>	205758_at	CD8 antigen, alpha polypeptide (p32)	CD8A		Whitney <i>et al.</i>	218805_at	immune associated nucleotide 4 like 1 (mouse)	IAN4L1		
		Whitney <i>et al.</i>	205798_at	interleukin 7 receptor	IL7R		Whitney <i>et al.</i>	221491_x_at	major histocompatibility complex, class II, DR beta 5	HLA-DRB5		
		Whitney <i>et al.</i>	205826_at	myomesin (M-protein) 2, 165kDa	MYOM2		Whitney <i>et al.</i>	221601_s_at	regulator of Fas-induced apoptosis	TOSO		
		Whitney <i>et al.</i>	205831_at	CD2 antigen (p50), sheep red blood cell receptor	CD2		Whitney <i>et al.</i>	221602_s_at	regulator of Fas-induced apoptosis	TOSO		
		Whitney <i>et al.</i>	205861_at	Spi-B transcription factor (Spi-1/PU.1 related)	SPIB		Whitney <i>et al.</i>	221736_at	Homo sapiens cDNA: FLJ23118 fis, clone LNG07969, mRNA sequence			
		Whitney <i>et al.</i>	206150_at	tumor necrosis factor receptor superfamily, member 7	TNFRSF7		Whitney <i>et al.</i>	221738_at	KIAA1219 protein	KIAA1219		
		Whitney <i>et al.</i>	206337_at	chemokine (C-C motif) receptor 7	CCR7		Whitney <i>et al.</i>	221756_at	hypothetical protein MGC17330	MGC17330		
		Whitney <i>et al.</i>	206666_at	granzyme K (serine protease, granzyme 3; tryptase II)	GZMK		Whitney <i>et al.</i>	221757_at	hypothetical protein MGC17330	MGC17330		
		Whitney <i>et al.</i>	208894_at	major histocompatibility complex, class II, DR alpha	HLA-DRA			Monocytes	GSK	201743_at	CD14 antigen	CD14
		Whitney <i>et al.</i>	209172_s_at	centromere protein F, 350/400ka (mitosin)	CENPF				Millennium	201118_at	phosphogluconate dehydrogenase	PGD
		Whitney <i>et al.</i>	209312_x_at	major histocompatibility complex, class II, DR beta 1	HLA-DRB1				Millennium	202086_at	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	MX1
		Whitney <i>et al.</i>	209480_at	major histocompatibility complex, class II, DQ beta 1	HLA-DQB1				Millennium	202687_s_at	tumor necrosis factor (ligand) superfamily, member 10	TNFSF10
		Whitney <i>et al.</i>	209508_x_at	CASP8 and FADD-like apoptosis regulator	CFLAR				Millennium	202688_at	tumor necrosis factor (ligand) superfamily, member 10	TNFSF10
		Whitney <i>et al.</i>	209670_at	T cell receptor alpha locus	TRA				Millennium	202877_s_at	complement component 1, q subcomponent, receptor 1	C1QR1
		Whitney <i>et al.</i>	209671_x_at	T cell receptor alpha locus	TRA				Millennium	203153_at	interferon-induced protein with tetratricopeptide repeats 1	IFIT1
		Whitney <i>et al.</i>	209728_at	major histocompatibility complex, class II, DR beta 4	HLA-DRB4							

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		Millennium	205789_at	CD1D antigen, d polypeptide	CD1D			Whitney <i>et al.</i>	203765_at	grancalcin, EF-hand calcium binding protein	GCA
		Millennium	205819_at	macrophage receptor with collagenous structure	MARCO			Whitney <i>et al.</i>	203805_s_at	hypothetical protein MGC45417	MGC45417
		Millennium	205844_at	vanin 1	VNN1			Whitney <i>et al.</i>	203806_s_at	Fanconi anemia, complementation group A	FANCA
		Millennium	206214_at	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	PLA2G7			Whitney <i>et al.</i>	203879_at	phosphoinositide-3-kinase, catalytic, delta polypeptide	PIK3CD
		Millennium	206978_at	chemokine (C-C motif) receptor 2	CCR2			Whitney <i>et al.</i>	204057_at	interferon consensus sequence binding protein 1	ICSBP1
		Millennium	207794_at	chemokine (C-C motif) receptor 2	CCR2			Whitney <i>et al.</i>	204118_at	CD48 antigen (B-cell membrane protein)	CD48
		Millennium	208130_s_at	thromboxane A synthase 1 (platelet, cytochrome P450, subfamily V)	TBXAS1			Whitney <i>et al.</i>	204309_at	cytochrome P450, subfamily X1A (cholesterol side chain cleavage)	CYP11A
		Millennium	208450_at	lectin, galactoside-binding, soluble, 2 (galectin 2)	LGALS2			Whitney <i>et al.</i>	204959_at	myeloid cell nuclear differentiation antigen	MNDA
		Millennium	209525_at	transmembrane 6 superfamily member 1	TM6SF1			Whitney <i>et al.</i>	205118_at	formyl peptide receptor 1	FPR1
		Millennium	210756_s_at	NOTCH 2 [Homo sapiens], mRNA sequence				Whitney <i>et al.</i>	205119_s_at	formyl peptide receptor 1	FPR1
		Millennium	212188_at	hypothetical protein BC013764	LOC115207			Whitney <i>et al.</i>	205159_at	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	CSF2RB
		Millennium	213566_at	ribonuclease, RNase A family, k6	RNASE6			Whitney <i>et al.</i>	205179_s_at	a disintegrin and metalloproteinase domain 8	ADAM8
		Millennium	214058_at					Whitney <i>et al.</i>	205180_s_at	a disintegrin and metalloproteinase domain 8	ADAM8
		Millennium	214329_x_at	tumor necrosis factor (ligand) superfamily, member 10	TNFSF10			Whitney <i>et al.</i>	205220_at	putative chemokine receptor; GTP-binding protein	HM74
		Millennium	215646_s_at	chondroitin sulfate proteoglycan 2 (versican)	CSPG2			Whitney <i>et al.</i>	205785_at	integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)	ITGAM
		Millennium	218231_at	N-acetylglucosamine kinase	NAGK			Whitney <i>et al.</i>	205786_s_at	integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)	ITGAM
		Millennium	218876_at	brain specific protein	CGI-38						
		Millennium	219093_at	hypothetical protein FLJ20701	FLJ20701						
		Millennium	219519_s_at	sialoadhesin	SN						
		Millennium	220005_at	G protein-coupled receptor 86	GPR86						
		Millennium	221060_s_at	toll-like receptor 4	TLR4						
Granulo-cytes	Neutrophils	GSK	207677_s_at	neutrophil cytosolic factor 4, 40kDa	NCF4						
		Whitney <i>et al.</i>	202269_x_at	guanylate binding protein 1, interferon-inducible, 67kDa	GBP1			Whitney <i>et al.</i>	205863_at	S100 calcium binding protein A12 (calgranulin C)	S100A12
		Whitney <i>et al.</i>	202270_at	guanylate binding protein 1, interferon-inducible, 67kDa	GBP1			Whitney <i>et al.</i>	205922_at	vanin 2	VNN2
		Whitney <i>et al.</i>	202625_at	v-yes-1Yamaguchi sarcoma viral related oncogene homolog	LYN			Whitney <i>et al.</i>	205945_at	interleukin 6 receptor	IL6R
		Whitney <i>et al.</i>	202626_s_at	v-yes-1Yamaguchi sarcoma viral related oncogene homolog	LYN			Whitney <i>et al.</i>	207857_at	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	LILRA2
		Whitney <i>et al.</i>	202748_at	guanylate binding protein 2, interferon-inducible	GBP2			Whitney <i>et al.</i>	209008_x_at	keratin 8	KRT8
		Whitney <i>et al.</i>	203140_at	B-cell CLL/lymphoma 6 (zinc finger protein 51)	BCL6			Whitney <i>et al.</i>	209606_at	pleckstrin homology, Sec7 and coiled/coiled domains, binding protein	PSCDBP
		Whitney <i>et al.</i>	203591_s_at	colony stimulating factor 3 receptor (granulocyte)	CSF3R			Whitney <i>et al.</i>	210225_x_at	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	LILRB3
		Whitney <i>et al.</i>	203691_at	protease inhibitor 3, skin-derived (SKALP)	PI3			Whitney <i>et al.</i>	210660_at	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	LILRA1
		Whitney <i>et al.</i>	203760_s_at	Src-like-adaptor	SLA						
		Whitney <i>et al.</i>	203761_at	Src-like-adaptor	SLA						

Blood fraction	Cell type	Source	Probe Set ID	Description	Symbol	Blood fraction	Cell type	Source	Probe Set ID	Description	Symbol
		Whitney <i>et al.</i>	210772_at	formyl peptide receptor-like 1	FPRL1			Whitney <i>et al.</i>	211994_at	Homo sapiens, clone IMAGE:5264735, mRNA, mRNA sequence	
		Whitney <i>et al.</i>	210773_s_at	formyl peptide receptor-like 1	FPRL1			Whitney <i>et al.</i>	212312_at	BCL2-like 1	BCL2L1
		Whitney <i>et al.</i>	220000_at	sialic acid binding lg-like lectin 5	SIGLEC5			Whitney <i>et al.</i>	212430_at	RNA-binding region (RNP1, RRM) containing 1	RNPC1
Red Blood Cells	Red Blood Cells	Whitney <i>et al.</i>	200633_at	ubiquitin B	UBB			Whitney <i>et al.</i>	212829_at	Homo sapiens cDNA FLJ13267 fis, clone OVARC1000964, mRNA sequence	
		Whitney <i>et al.</i>	200665_s_at	secreted protein, acidic, cysteine-rich (osteonectin)	SPARC			Whitney <i>et al.</i>	212867_at	ESTs, Weakly similar to A56429 I-kappa-B-related protein - human [H.sapiens]	
		Whitney <i>et al.</i>	201285_at	makorin, ring finger protein, 1	MKRN1			Whitney <i>et al.</i>	213060_s_at	chitinase 3-like 2	CHI3L2
		Whitney <i>et al.</i>	201912_s_at	G1 to S phase transition 1	GSPT1			Whitney <i>et al.</i>	213161_at	PP4189	LOC158427
		Whitney <i>et al.</i>	202129_s_at	sudD suppressor of bimD6 homolog (A. nidulans)	SUDD			Whitney <i>et al.</i>	213319_s_at	cold shock domain protein A	CSDA
		Whitney <i>et al.</i>	202130_at	sudD suppressor of bimD6 homolog (A. nidulans)	SUDD			Whitney <i>et al.</i>	214433_s_at	selenium binding protein 1	SELENBP1
		Whitney <i>et al.</i>	202131_s_at	sudD suppressor of bimD6 homolog (A. nidulans)	SUDD			Whitney <i>et al.</i>	215498_s_at	mitogen-activated protein kinase kinase 3	MAP2K3
		Whitney <i>et al.</i>	202364_at	MAX interacting protein 1	MXI1			Whitney <i>et al.</i>	215499_at	mitogen-activated protein kinase kinase 3	MAP2K3
		Whitney <i>et al.</i>	202387_at	BCL2-associated athanogene	BAG1			Whitney <i>et al.</i>	217748_at	CGI-45 protein	CGI-45
		Whitney <i>et al.</i>	202555_s_at	myosin, light polypeptide kinase	MYLK			Whitney <i>et al.</i>	218116_at	hepatocellular carcinoma-associated antigen 59	LOC51759
		Whitney <i>et al.</i>	203502_at	2,3-bisphosphoglycerate mutase	BPGM			Whitney <i>et al.</i>	221478_at	BCL2/adenovirus E1B 19kDa interacting protein 3-like	BNIP3L
		Whitney <i>et al.</i>	203966_s_at	protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform	PPM1A			Whitney <i>et al.</i>	221479_s_at	BCL2/adenovirus E1B 19kDa interacting protein 3-like	BNIP3L
		Whitney <i>et al.</i>	204187_at	guanosine mono-phosphate reductase	GMPR			Whitney <i>et al.</i>	221747_at	Homo sapiens cDNA FLJ32766 fis, clone TESTI2001862, mRNA sequence	
		Whitney <i>et al.</i>	204466_s_at	synuclein, alpha (non A4 component of amyloid precursor)	SNCA			Whitney <i>et al.</i>	221748_s_at	Homo sapiens cDNA FLJ32766 fis, clone TESTI2001862, mRNA sequence	
		Whitney <i>et al.</i>	204467_s_at	synuclein, alpha (non A4 component of amyloid precursor)	SNCA			Whitney <i>et al.</i>	221991_at	neurexophilin 3	NXP3
		Whitney <i>et al.</i>	205281_s_at	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	PIGA			Whitney <i>et al.</i>	222007_s_at	FK506 binding protein 8, 38kDa	FKBP8
		Whitney <i>et al.</i>	205389_s_at	ankyrin 1, erythrocytic	ANK1		Reticulo-cytes	GSK	211696_x_at	Hemoglobin, Beta	HBB
		Whitney <i>et al.</i>	205390_s_at	ankyrin 1, erythrocytic	ANK1		Red Blood Cells	Affymetrix	216063_at	ESTs, Weakly similar to HBE_HUMAN HEMOGLOBIN EPSILON CHAIN [H.sapiens]	
		Whitney <i>et al.</i>	205391_x_at	ankyrin 1, erythrocytic	ANK1			Affymetrix	204018_x_at	hemoglobin, alpha 1	HBA1
		Whitney <i>et al.</i>	205541_s_at	G1 to S phase transition 2	GSPT2			Affymetrix	209458_x_at	hemoglobin, alpha 1	HBA1
		Whitney <i>et al.</i>	205959_at	matrix metallo-proteinase 13 (collagenase 3)	MMP13			Affymetrix	211699_x_at	hemoglobin, alpha 1	HBA1
		Whitney <i>et al.</i>	206416_at	zinc finger protein 205	ZNF205			Affymetrix	211745_x_at	hemoglobin, alpha 2	HBA2
		Whitney <i>et al.</i>	208632_at	ring finger protein 10	RNF10			Affymetrix	214414_x_at	hemoglobin, alpha 2	HBA2
		Whitney <i>et al.</i>	208691_at	transferrin receptor (p90, CD71)	TFRC			Affymetrix	209116_x_at	hemoglobin, beta	HBB
		Whitney <i>et al.</i>	209193_at	pim-1 oncogene	PIM1			Affymetrix	206834_at	hemoglobin, delta	HBD
		Whitney <i>et al.</i>	209339_at	seven in absentia homolog 2 (Drosophila)	SIAH2			Affymetrix	205919_at	hemoglobin, epsilon 1	HBE1
		Whitney <i>et al.</i>	209869_at	adrenergic, alpha-2A-, receptor	ADRA2A			Affymetrix	204848_x_at	hemoglobin, gamma A	HBG1
		Whitney <i>et al.</i>	209890_at	tetraspan 5	TM4SF9			Affymetrix	204419_x_at	hemoglobin, gamma G	HBG2
		Whitney <i>et al.</i>	210746_s_at	erythrocyte membrane protein band 4.2	EPB42			Affymetrix	213515_x_at	hemoglobin, gamma G	HBG2
		Whitney <i>et al.</i>	211992_at	protein kinase, lysine deficient 1	PRKWINK1			Affymetrix	220807_at	hemoglobin, theta 1	HBQ1
		Whitney <i>et al.</i>	211993_at	protein kinase, lysine deficient 1	PRKWINK1			Affymetrix	206647_at	hemoglobin, zeta	HBZ

Appendix 2: Probe sets significantly different between Ficoll gradient processed at 8°C and room temperature.

Probe Set Name	Magnitude of Change (Ficoll 8°C vs Ficoll RT)	Gene Description
217591_at	-0.9376893	Consensus includes gb:BF725121 /FEA=EST /DB_XREF=gi:12041032 /DB_XREF=est:bx12e01.x1 /CLONE=bx12e01 /UG=Hs.272108 ESTs

Appendix 3: Probe sets significantly different between Ficoll gradient processed after overnight incubation and immediate processing.

Probe Set Name	Magnitude of Change (O/N vs ASAP)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (O/N vs ASAP)	Gene Description	Gene Symbol
205898_at	-3.727719	chemokine (C-X3-C motif) receptor 1	CX3CR1	203614_at	-1.080288	KIAA0266 gene product	KIAA0266
219243_at	-2.900807	immunity associated protein 4	HIMAP4	201831_s_at	-1.070218	vesicle docking protein p115	VDP
206978_at	-2.777941	chemokine (C-C motif) receptor 2	CCR2	203080_s_at	-1.05084	bromodomain adjacent to zinc finger domain, 2B	BAZ2B
219777_at	-2.397894	hypothetical protein FLJ22690	FLJ22690	219467_at	-1.049529	hypothetical protein FLJ20125	FLJ20125
209829_at	-2.333454	chromosome 6 open reading frame 32	C6orf32	212513_s_at	-1.048441	pVHL-interacting deubiquitinating enzyme 1	VDU1
205202_at	-2.059072	protein-Lisoaspartate (D-aspartate) O-methyltransferase	PCMT1	205449_at	-1.029415	protein predicted by clone 23627	HSU79266
213102_at	-1.942772	ARP3 actin-related protein 3 homolog (yeast)	ACTR3	202559_x_at	-1.022468	DKFZP547E1010 protein	DKFZP547E1010
221937_at	221937_at	Homo sapiens cDNA FLJ34482 fis, clone HLUNG2004067, mRNA sequence		208986_at	-1.018431	transcription factor 12 (HTF4, helix-loop-helix transcription factors 4)	TCF12
218242_s_at	-1.901728	CGI-85 protein	CGI-85	218196_at	-1.017374	HSPC019 protein	HSPC019
218659_at	-1.813944	KIAA1685 protein FLJ10687	FLJ10687	201054_at	-1.001394	heterogeneous nuclear ribonucleoprotein A0	HNRPA0
202688_at	-1.793458	tumor necrosis factor (ligand) superfamily, member 10	TNFSF10	201098_at	-1.000894	coatamer protein complex, subunit beta 2 (beta prime)	COPB2
203102_s_at	-1.774261	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	AGMT2	219691_at	-0.998955	hypothetical protein FLJ20073	FLJ20073
212632_at	-1.68373	Homo sapiens clone 24889 mRNA sequence		217724_at	-0.9937942	PAI-1 mRNA-binding protein	PAI-RBP1
218361_at	-1.647367	hypothetical protein FLJ10687	FLJ10687	202564_x_at	-0.981827	ADP-ribosylation factor-like 2	ARL2
201832_s_at	-1.615451	vesicle docking protein p115	VDP	209630_s_at	-0.9774469	Homo sapiens cDNA FLJ38058 fis, clone CTONG2014898, mRNA sequence	
218303_x_at	-1.531388	hypothetical protein LOC51315	LOC51315	212731_at	-0.9739949	Homo sapiens cDNA FLJ37916 fis, clone CTONG1000094, weakly similar to CYCLIN-DEPENDENT KINASE 6 INHIBITOR, mRNA sequence	
201448_at	-1.523018	Homo sapiens cDNA FLJ36425 fis, clone THYMU2011482, mRNA sequence		202771_at	-0.9404259	KIAA0233 gene product	KIAA0233
211784_s_at	-1.496246	Similar to splicing factor, arginine/serine-rich 2 (SC-35) [Homo sapiens], mRNA sequence		212118_at	-0.9365762	ret finger protein	RFP
211257_x_at	-1.488024	NP220 nuclear protein	NP220	201716_at	-0.9348963	sorting nexin 1	SNX1
203275_at	-1.480717	interferon regulatory factor 2	IRF2	40273_at	-0.9343171	D site of albumin promoter (albumin D-box) binding protein	DBP
218614_at	-1.462767	hypothetical protein FLJ10652	FLJ10652	218889_at	-0.9314525	AD24 protein	AD24
204683_at	-1.418423	intercellular adhesion molecule 2	ICAM2	214440_at	-0.8867887	N-acetyltransferase 1 (arylamine N-acetyltransferase)	NAT1
201503_at	-1.380078	Ras-GTPase-activating protein SH3-domain-binding protein	G3BP	212802_s_at	-0.8665841	DKFZP434C212 protein	DKFZP434C212
218230_at	-1.366544	arfaptin 1	HSU52521	208882_s_at	-0.8613311	progesterin induced protein	DD5
212115_at	-1.349615	HN1 like	HN1L	208644_at	-0.8429819	ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)	ADPRT
211684_s_at	-1.335757	dynein, cytoplasmic, intermediate polypeptide 2	DNCI2	209206_at	-0.8390855	SEC22 vesicle trafficking protein-like 1 (S. cerevisiae)	SEC22L1
201734_at	-1.329125	Homo sapiens mRNA; cDNA DKFZp564I0463 (from clone DKFZp564I0463), mRNA sequence		213188_s_at	-0.8230567	hypothetical protein DKFZp667G2110	DKFZp667G2110
219083_at	-1.290309	hypothetical protein FLJ10539	FLJ10539	204354_at	-0.8201475	protection of telomeres 1	POT1
213573_at	-1.286128	karyopherin (importin) beta 1	KPNB1	200994_at	-0.8110922	RAN binding protein 7	RANBP7
219035_s_at	-1.282815	ring finger protein 34	RNF34	211758_x_at	-0.7928366	ATP binding protein associated with cell differentiation	APACD
203427_at	-1.260008	DKFZP547E2110 protein	DKFZP547E2110	202225_at	-0.7892394	v-crk sarcoma virus CT10 oncogene homolog (avian)	CRK
217727_x_at	-1.245723	vacuolar protein sorting 35 (yeast)	VPS35	203487_s_at	-0.7739426	DKFZP434A043 protein	DKFZP434A043
217986_s_at	-1.242328	bromodomain adjacent to zinc finger domain, 1A	BAZ1A	213246_at	-0.7716036	DKFZP564F1123 protein	DKFZP564F1123
219539_at	-1.239965	gem (nuclear organelle) associated protein 6	GEMIN6	213174_at	-0.7587999	KIAA0227 protein	KIAA0227
201086_x_at	-1.237814	SON DNA binding protein	SON	212905_at	-0.7199875	likely ortholog of mouse variant polyadenylation protein CSTF-64	CSTF2T
216602_s_at	-1.232038	phenylalanine-tRNA synthetase-like	FARSL	200614_at	-0.7020916	clathrin, heavy polypeptide (Hc)	CLTC
204236_at	-1.219567	Friend leukemia virus integration 1	FLI1	200807_s_at	-0.6635235	heat shock 60kDa protein 1 (chaperonin)	HSPD1
201331_s_at	-1.213799	signal transducer and activator of transcription 6, interleukin-4 induced	STAT6	208985_s_at	-0.6628479	eukaryotic translation initiation factor 3, subunit 1 alpha, 35kDa	EIF3S1
217792_at	-1.208914	sorting nexin 5	SNX5	212880_at	-0.6576837	WD repeat domain 7	WDR7
211342_x_at	-1.187546			204994_at	-0.6304609	myxovirus (influenza virus) resistance 2 (mouse)	MX2
209285_s_at	-1.181918	KIAA1105 protein	RAP140	219979_s_at	-0.6289344	hypothetical protein HSPC138	HSPC138
204314_s_at	-1.172422	cAMP responsive element binding protein 1	CREB1	212222_at	-0.5453832	proteasome activator 200 kDa	PA200
218138_at	-1.15711	McKusick-Kaufman syndrome	MKKS	208735_s_at	0.5441049	conserved gene amplified in osteosarcoma	OS4
202808_at	-1.151961	hypothetical protein FLJ20154	FLJ20154	202753_at	0.5738869	KIAA0107 gene product	KIAA0107
202856_s_at	-1.15159	solute carrier family 16 (monocarboxylic acid transporters), member 3	SLC16A3	205281_s_at	0.629927	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	PIGA
200901_s_at	-1.113696	mannose-6-phosphate receptor (cation dependent)	M6PR	202646_s_at	0.6623891	NRAS-related gene	D1S155E
202786_at	-1.092648	serine threonine kinase 39 (STE20/SPS1 homolog, yeast)	STK39				
214531_s_at	-1.0892	sorting nexin 1	SNX1				

Probe Set Name	Magnitude of Change (O/N vs ASAP)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (O/N vs ASAP)	Gene Description	Gene Symbol
201898_s_at	0.6898327	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	UBE2A	219634_at	1.218582	chondroitin 4-sulfotransferase	C4ST
200668_s_at	0.6968125	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	UBE2D3	214714_at	1.286237	hypothetical protein FLJ12298	FLJ12298
219099_at	0.7328408	chromosome 12 open reading frame 5	C12orf5	217783_s_at	1.287352	yippee protein	CGI-127
206919_at	0.7539121	ELK4, ETS-domain protein (SRF accessory protein 1)	ELK4	208632_at	1.322416	ring finger protein 10	RNF10
200794_x_at	0.7683366	DAZ associated protein 2	DAZAP2	209020_at	1.379156	chromosome 20 open reading frame 111	C20orf111
202467_s_at	0.8326623	thyroid receptor interacting protein 15	TRIP15	213134_x_at	1.443638	BTG family, member 3	BTG3
204180_s_at	0.8382008	zinc finger protein 297B	ZNF297B	200730_s_at	1.469874	protein tyrosine phosphatase type IVA, member 1	PTP4A1
208734_x_at	0.932318	RAB2, member RAS oncogene family	RAB2	89948_at	1.519275	chromosome 20 open reading frame 67	C20orf67
201573_s_at	0.939643	eukaryotic translation termination factor 1	ETF1	213538_at	1.530418	SON DNA binding protein	SON
208720_s_at	0.9544012	RNA-binding region (RNP1, RRM) containing 2	RNPC2	222045_s_at	1.575985	chromosome 20 open reading frame 67	C20orf67
200870_at	0.9803073	unr-interacting protein	UNRIP	221727_at	1.657049	activated RNA polymerase II transcription cofactor 4	PC4
219646_at	1.006808	hypothetical protein FLJ20186	FLJ20186	212227_x_at	1.687728	putative translation initiation factor	SUI1
200669_s_at	1.007893	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	UBE2D3	212130_x_at	1.708675	putative translation initiation factor	SUI1
200779_at	1.010298	activating transcription factor 4 (tax-responsive enhancer element B67)	ATF4	206342_x_at	1.718217	iduronate 2-sulfatase (Hunter syndrome)	IDS
201593_s_at	1.04098	uncharacterized hypothalamus protein HT010	HT010	202021_x_at	1.740566	putative translation initiation factor	SUI1
202657_s_at	1.049994	transcriptional regulator interacting with the PHS-bromodomain 2	TRIP-Br2	211998_at	1.764859	H3 histone, family 3B (H3.3B)	H3F3B
219397_at	1.098921	hypothetical protein FLJ13448	FLJ13448	205214_at	2.005525	serine/threonine kinase 17b (apoptosis-inducing)	STK17B
222035_s_at	1.102513	Homo sapiens cDNA FLJ33067 fis, clone TRACH2000148, weakly similar to POLY(A) POLYMERASE (EC 2.7.7.19), mRNA sequence		201170_s_at	2.063277	basic helix-loop-helix domain containing, class B, 2	BHLHB2
201574_at	1.122025	eukaryotic translation termination factor 1	ETF1	202912_at	2.072646	adrenomedullin	ADM
200740_s_at	1.129051	SMT3 suppressor of mif two 3 homolog 1 (yeast)	SMT3H1	208078_s_at	2.108911	transcription factor 8 (represses interleukin 2 expression)	TCF8
214280_x_at	1.129772	heterogeneous nuclear ribonucleoprotein A1	HNRPA1	202644_s_at	2.119844	tumor necrosis factor, alpha-induced protein 3	TNFAIP3
206055_s_at	1.131847	small nuclear ribonucleoprotein polypeptide A'	SNRPA1	36711_at	2.169307	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	MAFF
202130_at	1.139959	sudD suppressor of bimD6 homolog (A. nidulans)	SUDD	222044_at	2.177362	chromosome 20 open reading frame 67	C20orf67
220046_s_at	1.163798	cyclin L ania-6a	LOC57018	204440_at	2.246193	CD83 antigen (activated B lymphocytes, immunoglobulin superfamily)	CD83
209388_at	1.16871	poly(A) polymerase alpha	PAPOLA	204622_x_at	2.33072	nuclear receptor subfamily 4, group A, member 2	NR4A2
218319_at	1.189293	pellino homolog 1 (Drosophila)	PELL1	202643_s_at	2.40323	tumor necrosis factor, alpha-induced protein 3	TNFAIP3
212508_at	1.189535	modulator of apoptosis 1	MOAP1	217739_s_at	2.442733	pre-B-cell colony-enhancing factor	PBEF
219248_at	1.190281	hypothetical protein MGC2454	MGC2454	202497_x_at	2.449612	solute carrier family 2 (facilitated glucose transporter), member 3	SLC2A3

Appendix 4: Probe sets significantly different between QIAamp, Ficoll and BD-CPT.

Probe Set Name	Magnitude of Change (QIAamp vs Ficoll)	Magnitude of Change (BD-CPT vs Ficoll)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (QIAamp vs Ficoll)	Magnitude of Change (BD-CPT vs Ficoll)	Gene Description	Gene Symbol
202379_s_at	-1.476698	-0.1529669	natural killer-tumor recognition sequence	NKTR	211725_s_at	0.6283751	0.1105828	Unknown (protein for MGC:4736) [Homo sapiens], mRNA sequence	
203113_s_at	-1.097693	-0.2963687	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	EEF1D	217521_at	0.638143	-0.0508649	histidine ammonia-lyase	HAL
201268_at	-1.071945	-0.106989	non-metastatic cells 2, protein (NM23B) expressed in	NME2	208749_x_at	0.6765584	-0.0713432	flotillin 1	FLOT1
200968_s_at	-0.986304	-0.1296323	peptidylprolyl isomerase B (cyclophilin B)	PPIB	204613_at	0.680847	0.0147458	phospholipase C, gamma 2 (phosphatidylinositol-specific)	PLCG2
213097_s_at	-0.8644949	-0.0813712	zuotin related factor 1	ZRF1	212612_at	0.6812013	0.0401139	thioredoxin	RCOR
202475_at	-0.8205457	-0.1384027	seven transmembrane domain protein	NIFIE14	208864_s_at	0.6824278	-0.1512718	nuclear receptor coactivator 1	NCOA1
219119_at	-0.7989606	-0.0252264	U6 snRNA-associated Sm-like protein LSm8	LSM8	209106_at	0.6902978	-0.1405662	ubiquitin specific protease 15	USP15
200818_at	-0.7602521	-0.1314801	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)	ATP5O	210681_s_at	0.6994534	-0.0880469	myotubularin related protein 3	MTMR3
209024_s_at	-0.7356696	-0.1112955	NS1-associated protein 1	NSAP1	50221_at	0.7120405	0.1630856	transcription factor EB	TFEB
221434_s_at	-0.7216138	-0.1607068	hypothetical protein DC50	DC50	204022_at	0.7140472	-0.0026795	Nedd4-like ubiquitin-protein ligase	WWP2
203531_at	-0.7174869	-0.0524306	Homo sapiens, clone IMAGE: 4820631, mRNA, mRNA sequence		205191_at	0.7147076	0.0261586	retinitis pigmentosa 2 (X-linked recessive)	RP2
214100_x_at	-0.7065398	-0.1340206	Williams-Beuren Syndrome critical region protein 20 copy B	WBSCR20B	207671_s_at	0.7329694	-0.0272441	vitelliform macular dystrophy (Best disease, bestrophin)	VMD2
208765_s_at	-0.663344	0.0121674	heterogeneous nuclear ribonucleoprotein R	HNRPR	209418_s_at	0.7426018	0.078733	chromosome 22 open reading frame 19	C22orf19
201406_at	-0.6601327	-0.1699065	ribosomal protein L36A	RPL36A	219492_at	0.743073	-0.1872416	cystein-rich hydrophobic domain 2	CHIC2
218467_at	-0.6196879	-0.0669989	hepatocellular carcinoma susceptibility protein	HCCA3	212899_at	0.750524	-0.0160893	KIAA1028 protein	KIAA1028
208894_at	-0.5998287	-0.0213203	major histocompatibility complex, class II, DR alpha	HLA-DRA	220740_s_at	0.7721849	0.0472574	solute carrier family 12 (potassium/chloride transporters), member 6	SLC12A6
210759_s_at	-0.5828217	-0.0217393	proteasome (prosome, macro-pain) subunit, alpha type, 1	PSMA1	204071_s_at	0.7873029	-0.1114104	tumor protein p53-binding protein	TP53BPL
214170_x_at	-0.5778562	-0.1664599	fumarate hydratase	FH	214766_s_at	0.7880417	0.0372514	ELYS transcription factor-like protein TMBS62	ELYS
219817_at	-0.5670612	-0.0026238	apoptosis-related protein PNAS-1	LOC51275	221523_s_at	0.7896639	-0.1174937	Rag D protein	RAGD
208764_s_at	-0.5108841	-0.0179839	ATP synthase, H+ transporting, mitochondrial FO complex, subunit c (subunit 9), isoform 2	ATP5G2	206324_s_at	0.7955594	-0.1530728	death-associated protein kinase 2	DAPK2
217874_at	-0.5080959	-0.1765787	succinate-CoA ligase, GDP-forming, alpha subunit	SUCLG1	212756_s_at	0.796398	0.0565871	KIAA0349 protein	KIAA0349
213315_x_at	-0.5008045	-0.0231798	iduronate 2-sulfatase (Hunter syndrome)	IDS	206208_at	0.7965844	0.0333677	carbonic anhydrase IV	CA4
213738_s_at	-0.4305592	-0.0893608	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	ATP5A1	211742_s_at	0.7968066	-0.0264207	ecotropic viral integration site 2B	EVI2B
217726_at	-0.3983552	-0.0455651	CGI-120 protein	COPZ1	208092_s_at	0.8126861	0.2115283	hypothetical protein DKFZp566A1524	DKFZP566A1524
203327_at	-0.3809429	-0.0459538	insulin-degrading enzyme	IDE	218902_at	0.8147025	-0.0496693	hypothetical protein FLJ20005	FLJ20005
201439_at	-0.3321941	-0.0149136	golgi-specific brefeldin A resistance factor 1	GBF1	202651_at	0.8214524	0.0696681	KIAA0205 gene product	KIAA0205
205240_at	0.3424605	0.0164856	LGN protein	LGN	201925_s_at	0.8305944	-0.1443141	decay accelerating factor for complement (CD55, Cromer blood group system)	DAF
208734_x_at	0.3680876	-0.0452094	RAB2, member RAS oncogene family	RAB2	204563_at	0.830831	-0.1472082	selectin L (lymphocyte adhesion molecule 1)	SELL
46270_at	0.4650494	0.0149934	ubiquitin associated protein 1	UBAP1	219634_at	0.8322199	-0.1300264	chondroitin 4-sulfotransferase	C4ST
209004_s_at	0.4785328	-0.1199441	F-box and leucine-rich repeat protein 5	FBXL5	202565_s_at	0.8451234	-0.0311474	supervillin	SVIL
218979_at	0.4966879	-0.0624462	hypothetical protein FLJ12888	FLJ12888	212470_at	0.8507796	0.0802003	sperm associated antigen 9	SPAG9
204724_s_at	0.4985419	0.0154829	collagen, type IX, alpha 3	COL9A3	217947_at	0.8663042	0.0954559	chemokine-like factor super family 6	CKLFSF6
209571_at	0.4991796	-0.045444	CBF1 interacting corepressor	CIR	35974_at	0.8668951	-0.0147712	lymphoid-restricted membrane protein	LRMP
212441_at	0.5294018	-0.1208997	KIAA0232 gene product	KIAA0232	206934_at	0.8735405	0.1814699	signal-regulatory protein beta 1	SIRPB1
203265_s_at	0.5301785	-0.0818362	mitogen-activated protein kinase kinase 4	MAP2K4	210483_at	0.8801618	-0.0643704	hypothetical protein MGC31957	MGC31957
211744_s_at	0.5510427	-0.107765	CD58 antigen, (lymphocyte function-associated antigen 3)	CD58	203097_s_at	0.881301	-0.0215811	PDZ domain containing guanine nucleotide exchange factor(GEF)1	PDZ-GEF1
206278_at	0.5674974	-0.1634812	platelet-activating factor receptor	PTAFR	209222_s_at	0.8839489	-0.0567949	oxysterol binding protein-like 2	OSBPL2
210087_s_at	0.5710154	0.0502712	myelin protein zero-like 1	MPZL1	202149_at	0.8855236	-0.052646	B cell RAG associated protein	GALNAC4S-6ST
203693_s_at	0.5774992	-0.1491764	E2F transcription factor 3	E2F3	203066_at	0.8865094	-0.085397	hypothetical protein CG003	13CDNA73
					204072_s_at	0.8992973	-0.1020703	abhydrolase domain containing 2	ABHD2
					205566_at	0.9136922	0.3497646	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	PTEN
					211711_s_at	0.919486	-0.0059534	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	UBE2B

Probe Set Name	Magnitude of Change (QIAamp vs Ficoll)	(BD-CPT vs Ficoll)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (QIAamp vs Ficoll)	(BD-CPT vs Ficoll)	Gene Description	Gene Symbol
204470_at	0.9300464	-0.0235355	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	CXCL1	217755_at	1.062426	0.1725949	hematological and neurological expressed 1	HN1
221664_s_at	0.9379218	0.0071125	junctional adhesion molecule 1	JAM1	38149_at	1.068574	-0.0658955	KIAA0053 gene product	KIAA0053
201780_s_at	0.9451919	-0.1091368	ring finger protein 13	RNF13	205180_s_at	1.069052	-0.116887	a disintegrin and metalloproteinase domain 8	ADAM8
221058_s_at	0.9459383	-0.0116226	chemokine-like factor 1	CKLF1	208783_s_at	1.070028	-0.1316644	membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen)	MCP
201926_s_at	0.9465354	0.0624497	decay accelerating factor for complement (CD55, Cromer blood group system)	DAF	220326_s_at	1.070976	0.0555353	hypothetical protein FLJ10357	FLJ10357
217748_at	0.9476031	0.2493742	CGI-45 protein	CGI-45	201888_s_at	1.072983	0.2532183	interleukin 13 receptor, alpha 1	IL13RA1
221958_s_at	0.9550251	0.0220083	hypothetical protein FLJ23091	FLJ23091	213349_at	1.074471	0.145604	KIAA0779 protein	KIAA0779
201365_at	0.9640425	0.0748998	ornithine decarboxylase antizyme 2	OAZ2	209088_s_at	1.075985	-0.1898895	ubiquitin 1	UBN1
219242_at	0.9649534	-0.0729083	hypothetical protein FLJ13386	FLJ13386	211763_s_at	1.078855	-0.0215295	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	UBE2B
209512_at	0.9695336	0.0715627	hypothetical protein MGC10940	MGC10940	212770_at	1.087788	0.0700011	transducin-like enhancer of split 3 (E(sp1) homolog, Drosophila)	TLE3
204674_at	0.9712913	0.0132317	lymphoid-restricted membrane protein	LRMP	41387_r_at	1.089611	0.1039326	KIAA0346 protein	KIAA0346
211883_x_at	0.9783378	0.1566322	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	CEACAM1	219079_at	1.092216	0.1602025	flavohepatoxin b5+b5R	b5&b5R
202200_s_at	0.9836747	-0.0478167	SFRS protein kinase 1	SRPK1	203185_at	1.102138	0.0698298	Ras association (RalGDS/AF-6) domain family 2	RASSF2
203853_s_at	0.9845773	0.0535526	GRB2-associated binding protein 2	GAB2	202266_at	1.10807	-0.0854534	TRAF and TNF receptor-associated protein	TTRAP
218614_at	0.9880802	-0.1824055	hypothetical protein FLJ10652	FLJ10652	32069_at	1.108137	-0.0212075	Nedd4 binding protein 1	N4BP1
208788_at	0.9911945	-0.1963884	homolog of yeast long chain polyunsaturated fatty acid elongation enzyme 2	HELO1	204882_at	1.108567	-0.15488	KIAA0053 gene product	KIAA0053
217492_s_at	1.008636	-0.0062987	phosphatase and tensin homolog (mutated in multiple advanced cancers 1), pseudogene 1	PTENP1	32091_at	1.116053	0.054072	KIAA0446 gene product	KIAA0446
208052_x_at	1.009627	0.1062385	carcinoembryonic antigen-related cell adhesion molecule 3	CEACAM3	204959_at	1.122725	-0.1702298	myeloid cell nuclear differentiation antigen	MNDA
201779_s_at	1.010717	-0.0685344	ring finger protein 13	RNF13	208981_at	1.128113	0.0895555	platelet/endothelial cell adhesion molecule (CD31 antigen)	PECAM1
212769_at	1.012829	0.0173916	transducin-like enhancer of split 3 (E(sp1) homolog, Drosophila)	TLE3	208983_s_at	1.1295	0.125557	platelet/endothelial cell adhesion molecule (CD31 antigen)	PECAM1
203080_s_at	1.019146	0.0317982	bromodomain adjacent to zinc finger domain, 2B	BAZ2B	219748_at	1.129889	-0.0504721	hypothetical protein FLJ13693	FLJ13693
205068_s_at	1.020968	-0.1484258	GTPase regulator associated with focal adhesion kinase pp125(FAK)	GRAF	201244_s_at	1.137635	0.1782559	v-raf-1 murine leukemia viral oncogene homolog 1	RAF1
204053_x_at	1.022107	-0.0114203	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	PTEN	206643_at	1.138538	-0.0159758	histidine ammonia-lyase	HAL
220476_s_at	1.027279	0.1191757	hypothetical protein LOC55924	LOC55924	202770_s_at	1.147394	0.0491932	cyclin G2	CCNG2
205896_at	1.03083	0.052983	solute carrier family 22 (organic cation transporter), member 4	SLC22A4	220603_s_at	1.150389	0.0230594	hypothetical protein FLJ11175	FLJ11175
206464_at	1.031307	-0.0054966	BMX non-receptor tyrosine kinase	BMX	209081_s_at	1.150456	-0.0263601	collagen, type XVIII, alpha 1	COL18A1
209073_s_at	1.032883	0.1439797	numb homolog (Drosophila)	NUMB	200958_s_at	1.160097	0.0926821	syndecan binding protein (syntenin)	SDCBP
212506_at	1.034628	-0.145456	Type II AF10/CALM fusion protein [Homo sapiens], mRNA sequence		208991_at	1.167167	0.1756555	Homo sapiens cDNA FLJ35646 fis, clone SPLEN2012743, mRNA sequence	
201651_s_at	1.042352	0.0688061	protein kinase C and casein kinase substrate in neurons 2	PACSLIN2	214321_at	1.17295	0.0250445	nephroblastoma overexpressed gene	NOV
213805_at	1.044275	0.1112769	CGI-58 protein	CGI-58	218136_s_at	1.175656	0.2246259	mitochondrial solute carrier protein	MSCP
204669_s_at	1.04495	-0.1182305	ring finger protein 24	RNF24	201941_at	1.175975	0.0238753	carboxypeptidase D	CPD
208488_s_at	1.04534	0.0907656	complement component (3b/4b) receptor 1, including Knops blood group system	CR1	212975_at	1.181494	-0.020801	KIAA0870 protein	KIAA0870
209091_s_at	1.047462	0.0894069	SH3-domain GRB2-like endophilin B1	SH3GLB1	213501_at	1.181885	0.1411413	acyl-Coenzyme A oxidase 1, palmitoyl	ACOX1
210101_x_at	1.048459	0.0826452	SH3-domain GRB2-like endophilin B1	SH3GLB1	212496_s_at	1.188305	-0.0062299	KIAA0876 protein	KIAA0876
201858_s_at	1.050258	0.0410784	proteoglycan 1, secretory granule	PRG1	201192_s_at	1.191893	0.0712462	phosphatidylinositol transfer protein	PITPN
					207857_at	1.197577	0.0201034	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	LILRA2
					218739_at	1.19865	0.1346218	CGI-58 protein	CGI-58
					211612_s_at	1.198806	0.1291431	interleukin 13 receptor, alpha 1	IL13RA1
					215001_s_at	1.204227	-0.084557	glutamate-ammonia ligase (glutamine synthase)	GLUL
					221485_at	1.212579	-0.0609266	UDP-Gal:betaGlcNAc beta 1, 4-galactosyltransferase, polypeptide 5	B4GALT5
					218023_s_at	1.214382	0.0124866	chromosome 5 open reading frame 6	C5orf6

Probe Set Name	Magnitude of Change (QIAamp vs Ficoll)	(BD-CPT vs Ficoll)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (QIAamp vs Ficoll)	(BD-CPT vs Ficoll)	Gene Description	Gene Symbol
221484_at	1.218741	-0.0704358	UDP-Gal:betaGlcNAc beta 1, 4-galactosyltransferase, polypeptide 5	B4GALT5	204174_at	1.448684	-0.0932765	arachidonate 5-lipoxygenase-activating protein	ALOX5AP
217167_x_at	1.221322	0.038271			218035_s_at	1.454049	0.1324631	RNA-binding protein	FLJ20273
202100_at	1.221477	0.1337984	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	RALB	215990_s_at	1.460265	0.104075	B-cell CLL/lymphoma 6 (zinc finger protein 51)	BCL6
219892_at	1.225771	0.2314088	transmembrane 6 superfamily member 1	TM6SF1	218610_s_at	1.463145	-0.0439787	hypothetical protein FLJ11151	FLJ11151
201943_s_at	1.226652	0.1010529	carboxypeptidase D	CPD	218923_at	1.465809	0.0318911	chitinase, di-N-acetyl-lysosomal-associated	CTBS
218132_s_at	1.227215	0.0475016	leukocyte receptor cluster (LRC) member 5	LENG5	203042_at	1.473294	-0.0610236	membrane protein 2	LAMP2
202897_at	1.230685	0.0623176	protein tyrosine phosphatase, non-receptor type substrate 1	PTPNS1	220990_s_at	1.482433	0.0803764	likely ortholog of rat vacuole membrane protein 1	VMP1
58780_s_at	1.23148	-0.0327297	hypothetical protein FLJ10357	FLJ10357	212860_at	1.48892	-0.0231661	hypothetical protein DKFP66702416	DKFP667-02416
209498_at	1.239577	-0.0633901	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	CEACAM1	203021_at	1.490488	-0.0763004	secretory leukocyte protease inhibitor (antileukoproteinase)	SLPI
210845_s_at	1.270838	0.1783522	plasminogen activator, urokinase receptor	PLAUR	219889_at	1.501113	0.2044853	frequently rearranged in advanced T-cell lymphomas	FRAT1
55705_at	1.285417	0.0892721	hypothetical protein BC012775	LOC91300	209137_s_at	1.527319	-0.0122066	ubiquitin specific protease 10	USP10
218924_s_at	1.289098	-0.0974571	chitinase, di-N-acetyl-plasminogen activator, urokinase receptor	PLAUR	210904_s_at	1.527511	0.2158499	interleukin 13 receptor, alpha 1	IL13RA1
211924_s_at	1.300904	-0.0242888	pleckstrin homology, Sec7 and coiled/coil domains 4	PSCD4	208093_s_at	1.528287	-0.0004121	LIS1-interacting protein NUDEL; endooligopeptidase A	NUDEL
211521_s_at	1.301353	0.3075188	regulator of G-protein signalling 2, 24kDa	RGS2	210754_s_at	1.538234	0.0523219	v-yes-1Yamaguchi sarcoma viral related oncogene homolog	LYN
202388_at	1.30819	-0.3664634	low density lipoprotein receptor-related protein 10	LRP10	201594_s_at	1.544181	-0.0759565	protein phosphatase 4, regulatory subunit 1	PPP4R1
201412_at	1.309673	0.2219849	acyl-Coenzyme A oxidase 1, palmitoyl	ACOX1	202990_at	1.545232	-0.1124251	phosphorylase, glycogen; liver (Hers disease, glycogen storage disease type VI)	PYGL
209600_s_at	1.315241	0.0886117	RAN binding protein 20	RANBP20	211317_s_at	1.54997	0.3494385	CASP8 and FADD-like' apoptosis regulator	CFLAR
214784_x_at	1.316766	0.1041788	myosin IF	MYO1F	221497_x_at	1.554879	-0.1038012	egl nine homolog 1 (C. elegans)	EGLN1
213733_at	1.318887	0.1257599	CD97 antigen	CD97	201364_s_at	1.563973	0.231241	ornithine decarboxylase antizyme 2	OAZ2
202910_s_at	1.344325	0.1543661	vanin 3	VNN3	206470_at	1.565708	0.0844799	plexin C1	PLXNC1
220528_at	1.359389	0.0395519	interleukin 6 receptor	IL6R	206925_at	1.580067	0.349834	sialyltransferase 8D (alpha-2, 8-polysialyltransferase)	SIAT8D
205945_at	1.35994	0.2146405	KIAA0650 protein	KIAA0650	219681_s_at	1.610425	0.046414	Rab coupling protein	RCP
212569_at	1.360791	-0.1887283	RALBP1 associated Eps domain containing 2	REPS2	200919_at	1.616666	0.0444438	polyhomeotic-like 2 (Drosophila)	PHC2
205645_at	1.366964	0.0791719	EGF-like-domain, multiple 5	EGFL5	213241_at	1.618286	0.1041699	Homo sapiens clone 23785 mRNA sequence	
212830_at	1.367022	0.2310222	KIAA0329 gene product	KIAA0329	203041_s_at	1.620448	-0.0319131	lysosomal-associated membrane protein 2	LAMP2
204308_s_at	1.372442	0.1516192	KIAA0650 protein	KIAA0650	202498_s_at	1.637791	0.2308296	solute carrier family 2 (facilitated glucose transporter), member 3	SLC2A3
212579_at	1.3746	0.0696041	mitochondrial solute carrier protein	MSCP	203574_at	1.645317	-0.2439767	nuclear factor, interleukin 3 regulated	NFIL3
221920_s_at	1.374961	0.1044506	cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase)	CYP4F3	200704_at	1.65055	-0.2510286	LPS-induced TNF-alpha factor	PIG7
206514_s_at	1.381824	0.0569809	CASP8 and FADD-like apoptosis regulator	CFLAR	202499_s_at	1.651636	-0.0667685	solute carrier family 2 (facilitated glucose transporter), member 3	SLC2A3
208485_x_at	1.389417	0.3584483	cytochrome P450, subfamily IVF, polypeptide 2	CYP4F2	220404_at	1.654119	0.0682489	PRO0611 [Homo sapiens], mRNA sequence	
210452_x_at	1.390024	0.0473757	chromosome 1 open reading frame 13	C1orf13	202193_at	1.654486	-0.0031913	LIM domain kinase 2	LIMK2
221210_s_at	1.39883	0.0090594	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	PTGS2	205174_s_at	1.661349	0.045951	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	QPCT
204748_at	1.409033	-0.2449054	MD-2 protein	MD-2	208637_x_at	1.663724	0.1980029	actinin, alpha 1	ACTN1
206584_at	1.414106	-0.0150389	interferon-related developmental regulator 1	IFRD1	205227_at	1.675569	0.1557606	interleukin 1 receptor accessory protein	IL1RAP
202146_at	1.422887	-0.0256062	v-yes-1Yamaguchi sarcoma viral related oncogene homolog	LYN	208918_s_at	1.678291	0.2639081	NAD kinase	FLJ13052
202626_s_at	1.427146	-0.0393655	transaldolase 1	TALDO1	216985_s_at	1.733194	0.2566449	syntaxin 3A	STX3A
201463_s_at	1.427684	0.0480795	interferon induced transmembrane protein 2 (1-8D)	IFITM2	210387_at	1.742095	0.0856164	H2B histone family, member A	H2BFA
201315_x_at	1.430761	0.1138897	soritin-related receptor, L(DLR class) A repeats-containing	SORL1	209238_at	1.75025	0.0004905	syntaxin 3A	STX3A
203509_at	1.439913	0.066397	sialyltransferase	STHM	220005_at	1.750973	0.0727913	G protein-coupled receptor 86	GPR86
204542_at	1.441869	0.1111476			202082_s_at	1.75104	0.1233886	SEC14-like 1 (S. cerevisiae)	SEC14L1
					214455_at	1.757075	0.2123023	H2B histone family, member L	H2BFL
					221803_s_at	1.758424	0.0031225	nuclear receptor binding factor-2	NRFB-2
					205920_at	1.770065	0.2714127	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	SLC6A6

Probe Set Name	Magnitude of Change (QIAamp vs Ficoll)	(BD-CPT vs Ficoll)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (QIAamp vs Ficoll)	(BD-CPT vs Ficoll)	Gene Description	Gene Symbol
205920_at	1.770065	0.2714127	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	SLC6A6	201963_at	2.351458	-0.0257272	fatty-acid-Coenzyme A ligase, long-chain 2	FACL2
210582_s_at	1.793044	-0.0305077	LIM domain kinase 2	LIMK2	200648_s_at	2.494441	0.2325233	glutamate-ammonia ligase (glutamine synthase)	GLUL
203765_at	1.794562	-0.0337623	grancalcin, EF-hand calcium binding protein	GCA	206877_at	2.515199	0.0545164	MAX dimerization protein 1	MAD
207890_s_at	1.811283	0.1270924	matrix metalloproteinase 25	MMP25	211372_s_at	2.518055	0.0881507	interleukin 1 receptor, type II	IL1R2
205147_x_at	1.815573	0.1807517	neutrophil cytosolic factor 4, 40kDa	NCF4	216841_s_at	2.543787	0.2071366	superoxide dismutase 2, mitochondrial	SOD2
210992_x_at	1.822352	-0.0246121	Fc fragment of IgG, low affinity IIa, receptor for (CD32)	FCGR2A	221477_s_at	2.571713	0.3522913	Homo sapiens, clone IMAGE: 4711494, mRNA, mRNA sequence	
201392_s_at	1.838737	0.2219849	insulin-like growth factor 2 receptor	IGF2R	202912_at	2.590767	-0.0410949	adrenomedullin	ADM
202084_s_at	1.840873	0.1369739	SEC14-like 1 (S. cerevisiae)	SEC14L1	221345_at	2.6179	0.0420443	G protein-coupled receptor 43	GPR43
211982_x_at	1.846803	0.220534	RAN binding protein 20	RANBP20	206026_s_at	2.726166	-0.0060166	tumor necrosis factor, alpha-induced protein 6	TNFAIP6
210724_at	1.850034	-0.020005	egf-like module-containing mucin-like receptor 3	EMR3	215223_s_at	2.74766	0.1026998	superoxide dismutase 2, mitochondrial	SOD2
205118_at	1.871279	-0.1606469	formyl peptide receptor 1	FPR1	209395_at	2.773115	0.0053545	chitinase 3-like 1 (cartilage glycoprotein-39)	CHI3L1
201393_s_at	1.87975	0.2134208	insulin-like growth factor 2 receptor	IGF2R	210484_s_at	2.848496	0.0379566	hypothetical protein MGC31957	MGC31957
200706_s_at	1.884082	0.0757226	LPS-induced TNF-alpha factor	PIG7	206025_s_at	2.852009	0.0243686	tumor necrosis factor, alpha-induced protein 6	TNFAIP6
213506_at	1.885288	-0.1366932	coagulation factor II (thrombin) receptor-like 1	F2RL1	209396_s_at	2.888263	0.0137153	chitinase 3-like 1 (cartilage glycoprotein-39)	CHI3L1
222088_s_at	1.913609	0.3087584	glucose transporter 14	SCL2A14	205403_at	2.888734	-0.1045352	interleukin 1 receptor, type II	IL1R2
209179_s_at	1.920432	0.0921937	leukocyte receptor cluster (LRC) member 4	LENG4	203434_s_at	2.909016	0.0077991	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	MME
220945_x_at	1.942643	-0.0144417	hypothetical protein FLJ10298	FLJ10298	202391_at	2.971107	-0.0407475	brain abundant, membrane attached signal protein 1	BASP1
202083_s_at	1.951554	0.1869795	SEC14-like 1 (S. cerevisiae)	SEC14L1	205922_at	2.982492	-0.0432557	vanin 2	VNN2
206471_s_at	1.95886	0.1801821	plexin C1	PLXNC1	205568_at	3.00001	-0.0450553	aquaporin 9	AQP9
210772_at	1.983984	-0.0633144	formyl peptide receptor-like 1	FPRL1	207275_s_at	3.047354	0.181051	fatty-acid-Coenzyme A ligase, long-chain 1	FACL1
217202_s_at	2.004346	0.4654353	neutrophil cytosolic factor 4, 40kDa	NCF4	204006_s_at	3.055085	0.3457746	Fc fragment of IgG, low affinity IIIb, receptor for (CD16)	FCGR3B
207677_s_at	2.011658	-0.053554	complement component 5 receptor 1 (C5a ligand)	C5R1	203936_s_at	3.25805	0.2500442	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	MMP9
220088_at	2.024924	-0.1070399	formyl peptide receptor 1 chromosome 1 open reading frame 24	C1orf24	218963_s_at	3.282161	0.0843327	type I intermediate filament cytokeratin	HAIK1
205119_s_at	2.058883	0.0658136	solute carrier family 2 (facilitated glucose transporter), member 3	SLC2A3	206222_at	3.302346	0.091331	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	TNFRSF10C
217967_s_at	2.078486	-0.0084939	frequently rearranged in advanced T-cell lymphomas 2	FRAT2	206515_at	3.326912	-0.0007966	cytochrome P450, subfamily IVF polypeptide 3 (leukotriene B4 omega hydroxylase)	CYP4F3
216236_s_at	2.083802	0.1919629	hypothetical protein BC012775	LOC91300	203435_s_at	3.346751	0.1015468	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	MME
209864_at	2.094451	0.1088795	chromosome 1 open reading frame 24	C1orf24	205220_at	3.371456	0.0008193	putative chemokine receptor; GTP-binding protein	HM74
221764_at	2.108657	0.3102477	B-cell CLL/lymphoma 6 (zinc finger protein 51)	BCL6	210119_at	3.377942	-0.0269861	potassium inwardly-rectifying channel, subfamily J, member 15	KCNJ15
217966_s_at	2.123187	-0.049725	potassium inwardly-rectifying channel, subfamily J, member 15	KCNJ15	206522_at	3.406912	0.0246788	maltase-glucoamylase (alpha-glucosidase)	MGAM
203140_at	2.126136	0.1248759	Fc fragment of IgG, low affinity IIa, receptor for (CD32)	FCGR2A	217738_at	3.433083	0.0877125	pre-B-cell colony-enhancing factor	PBEF
211806_s_at	2.157597	0.1574467	Alkaline phosphatase precursor (AA -17 to 507) [Homo sapiens], mRNA sequence		207094_at	3.524474	-0.1869795	interleukin 8 receptor, alpha	IL8RA
203561_at	2.18812	0.150998	solute carrier family 2 (facilitated glucose transporter), member 3	SLC2A3	217739_s_at	3.707827	-0.0277965	pre-B-cell colony-enhancing factor	PBEF
215783_s_at	2.191544	0.0340491	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	CSF2RB	207008_at	3.746251	0.0647948	interleukin 8 receptor, beta	IL8RB
202497_x_at	2.192449	0.2558469	selenoprotein X, 1 triggering receptor expressed on myeloid cells 1	SEPX1	211163_s_at	3.803921	-0.177709	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	TNFRSF10C
205159_at	2.234998	-0.1416655	fatty-acid-Coenzyme A ligase, long-chain 2	FACL2	204007_at	4.240474	0.1199834	Fc fragment of IgG, low affinity IIIa, receptor for (CD16)	FCGR3A
217977_at	2.235318	0.1307962	glutamate-ammonia ligase (glutamine synthase)	GLUL					
219434_at	2.308519	0.0734442	fatty-acid-Coenzyme A ligase, long-chain 2	FACL2					

Appendix 5: Probe sets significantly different between QIAamp and PAXgene.

Probe Set Name	Magnitude of Change (QIAamp vs PAXgene)	Gene Description	Gene Symbol
201178_at	-2.739499	F-box only protein 7	FBXO7
215812_s_at	-2.707031	ESTs, Highly similar to S6AA_HUMAN Sodium- and chloride-dependent creatine transporter 2 (CT2) [H.sapiens]	
201161_s_at	-2.56654	cold shock domain protein A	CSDA
200844_s_at	-2.257423	SET domain, bifurcated 1	SETDB1
201160_s_at	-2.18458	cold shock domain protein A	CSDA
220515_at	-1.914253	low molecular weight dual specificity phosphatase 21	LMWDSP21
216011_at	-1.84626	Homo sapiens, clone IMAGE:4776814, mRNA, mRNA sequence	
219385_at	-1.631347	B lymphocyte activator macrophage expressed	BLAME
221859_at	-1.485993	synaptotagmin XIII	SYT13
203287_at	-1.30464	ladinin 1	LAD1
211736_at	-1.230065	Sp2 transcription factor	SP2
211552_s_at	-1.120583	aldehyde dehydrogenase 4 family, member A1	ALDH4A1
217677_at	-1.093915	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2	PLEKHA2
213874_at	-1.066279	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4	SERPINA4
205486_at	-1.026765	testis-specific kinase 2	TESK2
220366_at	-0.9936848	epididymal sperm binding protein 1	ELSPBP1
207701_at	-0.9479684	hypothetical protein HSN44A4A	HSN44A4A
214759_at	-0.9466152	Wilms' tumour 1-associating protein	WTAP
216671_x_at	-0.764229	mucin 8, tracheobronchial	MUC8
214406_s_at	-0.6527526	solute carrier family 7 (cationic amino acid transporter, gamma system), member 4	SLC7A4
203452_at	-0.605628	beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	B3GAT3
215347_at	-0.2186629	Homo sapiens cDNA FLJ10265 fis, clone HEMBB1001014, mRNA sequence	
200027_at	0.3298201	asparaginyl-tRNA synthetase	NARS
219762_s_at	1.326458	ribosomal protein L36	RPL36
219539_at	1.723338	gem (nuclear organelle) associated protein 6	GEMIN6
217256_x_at	2.13343		
215089_s_at	2.311769	RNA binding motif protein 10	RBM10
202298_at	2.474429	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 75kDa	NDUFA1
217221_x_at	2.563373	RNA binding motif protein 10	RBM10

Appendix 6: Probe sets significantly different between PAXgene and BD-CPT.

Probe Set Name	Magnitude of Change (PAXgene vs BD-CPT)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (PAXgene vs BD-CPT)	Gene Description	Gene Symbol
200026_at	-5.687186	ribosomal protein L34	RPL34	203113_s_at	-2.541463	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	EEF1D
209066_x_at	-5.259851	ubiquinol-cytochrome c reductase binding protein	UQCRB	212042_x_at	-2.54009	ribosomal protein L7	RPL7
205849_s_at	-4.859031	ubiquinol-cytochrome c reductase binding protein	UQCRB	209067_s_at	-2.536148	heterogeneous nuclear ribonucleoprotein D-like	HNRPDL
200888_s_at	-4.650724	ribosomal protein L23	RPL23	206662_at	-2.523872	glutaredoxin (thioltransferase)	GLRX
216834_at	-4.355895	B cell activation gene [Homo sapiens], mRNA sequence		201970_s_at	-2.454484	nuclear autoantigenic sperm protein (histone-binding)	NASP
200082_s_at	-4.273576	ribosomal protein S7	RPS7	200781_s_at	-2.447652	ribosomal protein S15a	RPS15A
200061_s_at	-4.261792	ribosomal protein S24	RPS24	217789_at	-2.435227	sorting nexin 6	SNX6
218007_s_at	-4.142826	ribosomal protein S27-like	RPS27L	204982_at	-2.407974	G protein-coupled receptor kinase-interactor 2	GIT2
200099_s_at	-4.100095			200834_s_at	-2.38275	ribosomal protein S21	RPS21
201406_at	-4.094897	ribosomal protein L36A	RPL36A	201354_s_at	-2.373694	bromodomain adjacent to zinc finger domain, 2A	BAZ2A
212537_x_at	-3.875194	ribosomal protein L17	RPL17	218891_at	-2.325911	hypothetical protein FLJ13114	FLJ13114
212270_x_at	-3.820414	ribosomal protein L17	RPL17	219598_s_at	-2.307392	PTD013 protein	PTD013
201134_x_at	-3.680641	cytochrome c oxidase subunit VIc	COX7C	213251_at	-2.252709	Homo sapiens mRNA; cDNA DKFZp434C2112 (from clone DKFZp434C2112), mRNA sequence	
213941_x_at	-3.605659	ribosomal protein S7	RPS7	221979_at	-2.247978	Unknown (protein for IMAGE: 4152599) [Homo sapiens], mRNA sequence	
200038_s_at	-3.551291	ribosomal protein L17	RPL17	206461_x_at	-2.19558	metallothionein 1H	MT1H
200963_x_at	-3.507056	ribosomal protein L31	RPL31	213737_x_at	-2.191082	Homo sapiens, clone IMAGE: 4133122, mRNA, mRNA sequence	
212578_x_at	-3.442243	ribosomal protein S17	RPS17	218395_at	-2.171653	hypothetical protein FLJ13433	FLJ13433
209732_at	-3.435405	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 2 (activation-induced)	CLECSF2	206500_s_at	-2.146744	chromosome 14 open reading frame 106	C14orf106
210908_s_at	-3.412565	prefoldin 5	PFDN5	212326_at	-2.144161	KIAA0453 protein	KIAA0453
207132_x_at	-3.311724	prefoldin 5	PFDN5	201595_s_at	-2.130178	uncharacterized hypothalamus protein HT010	HT010
201473_at	-3.291127	jun B proto-oncogene	JUNB	218482_at	-2.071929	DC6 protein	DC6
211487_x_at	-3.285982			219261_at	-2.008235	hypothetical protein MGC2718	MGC2718
200093_s_at	-3.181122	histidine triad nucleotide binding protein 1	HINT1	218936_s_at	-2.003032	HSPC128 protein	HSPC128
204621_s_at	-3.082052	nuclear receptor subfamily 4, group A, member 2	NR4A2	218738_s_at	-1.973899	STRIN protein	STRIN
201812_s_at	-3.018121	homolog of Tom7 (S. cerevisiae)	TOM7	211998_at	-1.961085	H3 histone, family 3B (H3.3B)	H3F3B
213687_s_at	-2.97788	ribosomal protein L35a	RPL35A	208805_at	-1.959536	proteasome (prosome, macropain) subunit, alpha type, 6	PSMA6
201754_at	-2.966792	cytochrome c oxidase subunit VIc	COX6C	212036_s_at	-1.939966	pinin, desmosome associated protein	PNN
200705_s_at	-2.962576	eukaryotic translation elongation factor 1 beta 2	EEF1B2	200893_at	-1.90957	splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)	SFRS10
216380_x_at	-2.946279			202484_s_at	-1.853657	methyl-CpG binding domain protein 2	MBD2
200002_at	-2.924494	ribosomal protein L35	RPL35	212170_at	-1.835973	RNA binding motif protein 12	RBM12
203821_at	-2.922155	diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor)	DTR	201987_at	-1.827564	Homo sapiens cDNA FLJ30332 fis, clone BRACE2007254, mRNA sequence	
205644_s_at	-2.890983	small nuclear ribonucleoprotein polypeptide G	SNRPG	200013_at	-1.801293	ribosomal protein L24	RPL24
201257_x_at	-2.886762	ribosomal protein S3A	RPS3A	201290_at	-1.789671	signal peptidase complex (18kD)	SPC18
212391_x_at	-2.879158	ribosomal protein S3A	RPS3A	208695_s_at	-1.788212	ribosomal protein L39	RPL39
203316_s_at	-2.845505	small nuclear ribonucleoprotein polypeptide E	SNRPE	200025_s_at	-1.76783	ribosomal protein L27	RPL27
200826_at	-2.820967	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa	SNRPD2	205292_s_at	-1.748407	heterogeneous nuclear ribonucleoprotein A2/B1	HNRPA2B1
202428_x_at	-2.808576	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)	DBI	212783_at	-1.738347	retinoblastoma binding protein 6	RBBP6
214709_s_at	-2.797337	kinectin 1 (kinesin receptor)	KTN1	203403_s_at	-1.737523	ring finger protein (C3H2C3 type) 6	RNF6
201485_s_at	-2.793125	reticulocalbin 2, EF-hand calcium binding domain	RCN2	221847_at	-1.725693	proline-rich protein HaellI subfamily 1	PRH1
200717_x_at	-2.793123	ribosomal protein L7	RPL7	212469_at	-1.723378	IDN3 protein	IDN3
215963_x_at	-2.761773	ESTs, Weakly similar to S34195 ribosomal protein L3, cytosolic - human [H.sapiens]		200089_s_at	-1.696379	ribosomal protein L4	RPL4
210180_s_at	-2.75638	splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)	SFRS10	221475_s_at	-1.69505	ribosomal protein L15	RPL15
200626_s_at	-2.720634	matrin 3	MATR3	200095_x_at	-1.678852	ESTs, Highly similar to S55918	
200977_s_at	-2.5871	Tax1 (human T-cell leukemia virus type I) binding protein 1	TAX1BP1	201532_at	-1.674048	ribosomal protein S10, cytosolic - human [H.sapiens]	
218654_s_at	-2.576701	mitochondrial ribosomal protein S33	MRPS33			proteasome (prosome, macropain) subunit, alpha type, 3	PSMA3
217915_s_at	-2.566493	chromosome 15 open reading frame 15	C15orf15				

Probe Set Name	Magnitude of Change (PAXgene vs BD-CPT)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (PAXgene vs BD-CPT)	Gene Description	Gene Symbol
203259_s_at	-1.658561	CGI-130 protein	CGI-130	202296_s_at	0.5509788	similar to <i>S. cerevisiae</i> RER1	RER1
201916_s_at	-1.631586	SEC63 protein	SEC63L	216526_x_at	0.7182477	major histocompatibility complex, class I, C	HLA-C
221728_x_at	-1.607339	Homo sapiens cDNA FLJ30298 fis, clone BRACE2003172, mRNA sequence		207826_s_at	0.7685451	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein	ID3
201597_at	-1.606136	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)	COX7A2	218941_at	0.8449928	F-box and WD-40 domain protein 2	FBXW2
200050_at	-1.599699	zinc finger protein 146	ZNF146	206975_at	0.905318	lymphotoxin alpha (TNF superfamily, member 1)	LTA
217828_at	-1.587893	hypothetical protein FLJ13213	FLJ13213	216385_at	0.9400882	Docking protein 1-like protein [Homo sapiens], mRNA sequence	
208804_s_at	-1.559257	Homo sapiens mRNA; cDNA DKFZp564J223 (from clone DKFZp564J223), mRNA sequence		210168_at	0.9878972	complement component 6	C6
220046_s_at	-1.550481	cyclin L ania-6a	LOC57018	200695_at	0.9915233	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	PPP2R1A
211185_s_at	-1.504997	hypothetical protein FLJ14753	FLJ14753	214366_s_at	1.021459	arachidonate 5-lipoxygenase	ALOX5
202001_s_at	-1.504834	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa	NDUFA6	202665_s_at	1.050521	Wiskott-Aldrich syndrome protein interacting protein DKFZP434J154 protein	WASPIP
208746_x_at	-1.502456	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit g	ATP5L	204710_s_at	1.085455		
201368_at	-1.500487	zinc finger protein 36, C3H type-like 2	ZFP36L2	DKFZP434J154			
210453_x_at	-1.497817	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit g	ATP5L	221984_s_at	1.152439	hypothetical protein MGC3035	MGC3035
213151_s_at	-1.485518	CDC10 cell division cycle 10 homolog (<i>S. cerevisiae</i>)	CDC10	216835_s_at	1.227374	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	DOK1
202322_s_at	-1.467496	geranylgeranyl diphosphate synthase 1	GGPS1	203194_s_at	1.254111	nucleoporin 98kDa	NUP98
200007_at	-1.462908	signal recognition particle 14kDa (homologous Alu RNA binding protein)	SRP14	200803_s_at	1.299656	testis enhanced gene transcript (BAX inhibitor 1)	TEGT
201652_at	-1.440749	COP9 constitutive photomorphogenic homolog subunit 5 (<i>Arabidopsis</i>)	COPS5	206672_at	1.329247	aquaporin 2 (collecting duct)	AQP2
201170_s_at	-1.341914	basic helix-loop-helix domain containing, class B, 2	BHLHB2	205030_at	1.419243	fatty acid binding protein 7, brain	FABP7
220044_x_at	-1.334343	cisplatin resistance-associated overexpressed protein	LUC7A	221874_at	1.423178	KIAA1324 protein	KIAA1324
204224_s_at	-1.282801	GTP cyclohydrolase 1 (dopa-responsive dystonia)	GCH1	222381_at	1.454074	ESTs, Weakly similar to PRPP_HUMAN SALIVARY PROLINE-RICH PROTEIN II-1 [H.sapiens]	
200009_at	-1.258467	GDP dissociation inhibitor 2	GDI2	211691_x_at	1.479657	Ornithine decarboxylase antizyme 4 [Homo sapiens], mRNA sequence	
212637_s_at	-1.249289	WW domain-containing protein 1	WWP1	201957_at	1.483485	protein phosphatase 1, regulatory (inhibitor) subunit 12B	PPP1R12B
204528_s_at	-1.243751	nucleosome assembly protein 1-like 1	NAP1L1	210399_x_at	1.520843	fucosyltransferase 6 (alpha (1,3) fucosyltransferase)	FUT6
201962_s_at	-1.212635	hypothetical SBBI03 protein	SBB103	218659_at	1.529909	KIAA1685 protein	FLJ10898
209143_s_at	-1.17521	chloride channel, nucleotide-sensitive, 1A	CLNS1A	202845_s_at	1.563786	ralA binding protein 1	RALBP1
201979_s_at	-1.09402	protein phosphatase 5, catalytic subunit	PPP5C	220283_at	1.571846	hypothetical protein FLJ13840	FLJ13840
218233_s_at	-1.081364	chromosome 6 open reading frame 49	C6orf49	221962_s_at	1.58897	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	UBE2H
200593_s_at	-1.076199	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	HNRPU	208110_x_at	1.653099	hypothetical protein TCBAPO758	TCBAPO758
204571_x_at	-0.9489658	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin)	PIN4	201350_at	1.688758	flotillin 2	FLOT2
212301_at	-0.948333	KIAA0252 protein	KIAA0252	221063_x_at	1.746133	hypothetical protein FLJ12565	FLJ12565
212056_at	-0.9267216	KIAA0182 protein	KIAA0182	208399_s_at	1.814455	endothelin 3	EDN3
221481_x_at	-0.922991	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)	HNRPD	220467_at	1.849836	hypothetical protein FLJ21272	FLJ21272
201990_s_at	-0.8928844	cAMP responsive element binding protein-like 2	CREBL2	210210_at	1.875723	myelin protein zero-like 1	MPZL1
206621_s_at	-0.7597733	Williams-Beuren syndrome chromosome region 1	WBSCR1	213602_s_at	1.934863	matrix metalloproteinase 11 (stromelysin 3)	MMP11
211788_s_at	0.2183863	three prime repair exonuclease 2	TREX2	209018_s_at	2.015434	PTEN induced putative kinase 1	PINK1
207685_at	0.2749432	crystallin, beta B3	CRYBB3	216183_at	2.046485	Hypothetical protein [Homo sapiens], mRNA sequence	
205918_at	0.4024484	solute carrier family 4, anion exchanger, member 3	SLC4A3	220722_s_at	2.089928	solute carrier family 5 (choline transporter), member 7	SLC5A7
				201315_x_at	2.099153	interferon induced transmembrane protein 2 (1-8D)	IFITM2
				221447_s_at	2.154766	glycosyltransferase	LOC83468
				222357_at	2.167585	Homo sapiens, clone IMAGE: 4291354, mRNA, mRNA sequence	
				207252_at	2.16826	inactivation escape 1	INE1
				221479_s_at	2.213265	BCL2/adenovirus E1B 19kDa interacting protein 3-like	BNIP3L
				204555_s_at	2.249689	protein phosphatase 1, regulatory subunit 3D	PPP1R3D
				212055_at	2.269707	DKFZP586M1523 protein	DKFZP586-M1523

Probe Set Name	Magnitude of Change (PAXgene vs BD-CPT)	Gene Description	Gene Symbol	Probe Set Name	Magnitude of Change (PAXgene vs BD-CPT)	Gene Description	Gene Symbol
221013_s_at	2.395719	apolipoprotein L, 2	APOL2	202387_at	3.187397	BCL2-associated athanogene	BAG1
211546_x_at	2.472878	synuclein, alpha (non A4 component of amyloid precursor)	SNCA	201178_at	3.214718	F-box only protein 7	FBXO7
213768_s_at	2.5937	achaete-scute complex-like 1 (Drosophila)	ASCL1	213843_x_at	3.22379	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	SLC6A8
204826_at	2.612615	cyclin F	CCNF	217748_at	3.336225	CGI-45 protein	CGI-45
55705_at	2.642007	hypothetical protein BC012775	LOC91300	201161_s_at	3.426484	cold shock domain protein A	CSDA
204542_at	2.643964	sialyltransferase	STHM	218864_at	3.703149	tensin	TNS
201912_s_at	2.65028	G1 to S phase transition 1	GSPT1	202947_s_at	3.895885	glycophorin C (Gerbich blood group)	GYPC
211820_x_at	2.69462	glycophorin A (includes MN blood group)	GYPA	205220_at	3.952434	putative chemokine receptor; GTP-binding protein	HM74
221674_s_at	2.69788	chordin	CHRD	209396_s_at	4.100931	chitinase 3-like 1 (cartilage glycoprotein-39)	CHI3L1
220937_s_at	2.741562	sialyltransferase 7D ((alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase)	SIAT7D	218136_s_at	4.240891	mitochondrial solute carrier protein	MSCP
209179_s_at	2.778334	leukocyte receptor cluster (LRC) member 4	LENG4	221345_at	4.719292	G protein-coupled receptor 43	GPR43
221764_at	2.982583	hypothetical protein BC012775	LOC91300	217202_s_at	4.784796	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	MME
221748_s_at	2.989036	Homo sapiens cDNA FLJ32766 fis, clone TEST12001862, mRNA sequence		203435_s_at	4.999364	chitinase 3-like 1 (cartilage glycoprotein-39)	CHI3L1
220404_at	2.996874	PRO0611 [Homo sapiens], mRNA sequence		202219_at	5.087781	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	SLC6A8
211821_x_at	3.042027	glycophorin A (includes MN blood group)	GYPA	204007_at	5.090703	Fc fragment of IgG, low affinity IIIa, receptor for (CD16)	FCGR3A
221824_s_at	3.060475	hypothetical protein MGC26766	MGC26766	207094_at	5.522098	interleukin 8 receptor, alpha	IL8RA
207890_s_at	3.155642	matrix metalloproteinase 25	MMP25	210746_s_at	5.626492	erythrocyte membrane protein band 4.2	EPB42
206222_at	3.159306	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	TNFRSF10C	211560_s_at	7.765874	cytochrome b5 outer mitochondrial membrane precursor	CYB5-M
207827_x_at	3.166961	synuclein, alpha (non A4 component of amyloid precursor)	SNCA				

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