



213733_PM_at	MYO1F	6
202901_PM_x_at	CTSS	6
204232_PM_at	FCER1G	6
217478_PM_s_at	HLA-DMA	6
205821_PM_at	KLRK1	6
206804_PM_at	CD3G	6
221666_PM_s_at	PYCARD	6
214032_PM_at	ZAP70	6
204806_PM_x_at	HLA-F	6
208306_PM_x_at	HLA-DRB1	6
202957_PM_at	HCLS1	5
228532_PM_at	Clorf162	5
204563_PM_at	SELL	5
214511_PM_x_at	FCGR1B	5
203741_PM_s_at	ADCY7	5
223562_PM_at	PARVG	5
206666_PM_at	GZMK	5
236295_PM_s_at	NLRC3	5
211339_PM_s_at	ITK	5
210629_PM_x_at	LST1	5
219666_PM_at	MS4A6A	4
201720_PM_s_at	LAPTM5	4
202659_PM_at	PSMB10	4
224927_PM_at	KIAA1949	4
202625_PM_at	LYN	4
214084_PM_x_at	9727 /// NCF1 /// NCF1B	4
1405_PM_i_at	CCL5	4
209795_PM_at	CD69	4
202953_PM_at	C1QB	4
201762_PM_s_at	PSME2	4
210163_PM_at	CXCL11	4
204820_PM_s_at	BTN3A2 /// BTN3A3	4
205488_PM_at	GZMA	4
211990_PM_at	HLA-DPA1	4
204220_PM_at	GMFG	4
239522_PM_at	IL12RB1	4
206082_PM_at	HCP5	3
219243_PM_at	GIMAP4	3
228258_PM_at	TBC1D10C	3
216950_PM_s_at	FCGR1A /// FCGR1C	3
220832_PM_at	TLR8	3
209734_PM_at	NCKAP1L	3
232024_PM_at	GIMAP2	3
202803_PM_s_at	ITGB2	3
204804_PM_at	TRIM21	3
204533_PM_at	CXCL10	3
211768_PM_at	LAT2	3
206118_PM_at	STAT4	3
206150_PM_at	CD27	3
209881_PM_s_at	LAT /// SPNS1	3
240070_PM_at	TIGIT	3
210225_PM_x_at	LILRB3	3
204670_PM_x_at	HLA-DRB1 /// HLA-DRB4	3
211656_PM_x_at	A-DQB1 /// LOC1002943	3
1552701_PM_a_at	CARD16	3
217436_PM_x_at	HLA-A /// HLA-F /// HLA-	3
210514_PM_x_at	HLA-G	3
204971_PM_at	CSTA	3
208729_PM_x_at	HLA-B	3
204057_PM_at	IRF8	2
205147_PM_x_at	NCF4	2
210538_PM_s_at	BIRC3	2
228362_PM_s_at	FAM26F	2
203185_PM_at	RASSF2	2
204951_PM_at	RHOH	2
204197_PM_s_at	RUNX3	2
206219_PM_s_at	VAV1	2
205685_PM_at	CD86	2
204774_PM_at	EVI2A	2
205474_PM_at	CRLF3	2
206914_PM_at	CRTAM	2
202748_PM_at	GBP2	2
219716_PM_at	APOL6	2
206682_PM_at	CLEC10A	2
228869_PM_at	SNX20	2
207522_PM_s_at	ATP2A3	2
219812_PM_at	PVRIG	2
207238_PM_s_at	PTPRC	2
220330_PM_s_at	SAMSN1	2
206925_PM_at	ST8SIA4	2

228094_PM_at	AMICA1	2
209846_PM_s_at	BTN3A2	2
207485_PM_x_at	BTN3A1	2
200904_PM_at	HLA-E	2
208812_PM_x_at	HLA-C	2
210176_PM_at	TLR1	1
205890_PM_s_at	GABBR1 /// UBD	1
225701_PM_at	AKNA	1
219014_PM_at	PLACB	1
209949_PM_at	NCF2	1
206120_PM_at	CD33	1
201422_PM_at	IFI30	1
205859_PM_at	LY86	1
209879_PM_at	SEPLG	1
238439_PM_at	ANKRD22	1
202643_PM_s_at	TNFAIP3	1
209723_PM_at	SERPINB9	1
207375_PM_s_at	IL15RA	1
213415_PM_at	CLIC2	1
203104_PM_at	CSF1R	1
217147_PM_s_at	TRAT1	1
206296_PM_x_at	MAP4K1	1
213975_PM_s_at	LYZ	1
205285_PM_s_at	FYB	1
210152_PM_at	LILRB4	1
219777_PM_at	GIMAP6	1
204961_PM_s_at	NCF1 /// NCF1B /// NCF1	1
231776_PM_at	EOMES	1
208885_PM_at	LCP1	1
218322_PM_s_at	ACSL5	1
204821_PM_at	BTN3A3	1
223834_PM_at	CD274	1
235175_PM_at	GBP4	1
225763_PM_at	RCSD1	1
228677_PM_s_at	RASAL3	1
213958_PM_at	CD6	1
220485_PM_s_at	SIRPG	1
217992_PM_s_at	EFHD2	1
212671_PM_s_at	HLA-DQA1 /// HLA-DQA2	1
1552703_PM_s_at	CARD16 /// CASP1	1
220146_PM_at	TLR7	1
208894_PM_at	HLA-DRA	1

GCN Large, inclusive

CC = 0.60

Probeset	Gene	Number of edges
31845_PM_at	ELF4	681
203741_PM_s_at	ADCY7	676
219947_PM_at	CLEC4A	669
203922_PM_s_at	CYBB	667
207104_PM_x_at	LILRB1	666
205159_PM_at	CSF2RB	665
223303_PM_at	FERMT3	662
205269_PM_at	LCP2	660
224927_PM_at	KIAA1949	659
206011_PM_at	CASP1	657
223501_PM_at	TNFSF13B	656
218802_PM_at	CCDC109B	656
204336_PM_s_at	RGS19	653
207571_PM_x_at	C1orf38	651
213160_PM_at	DOCK2	648
210538_PM_s_at	BIRC3	642
220005_PM_at	P2RY13	642
209514_PM_s_at	RAB27A	640
203416_PM_at	CD53	639
219385_PM_at	SLAMF8	639
208018_PM_s_at	HCK	638
219574_PM_at	1-Mar	637
206332_PM_s_at	IFI16	636
202643_PM_s_at	TNFAIP3	635
218130_PM_at	C17orf62	635
226219_PM_at	ARHGAP30	634
204959_PM_at	MNDA	634
203561_PM_at	FCGR2A	632
206925_PM_at	ST8SIA4	631
203932_PM_at	HLA-DMB	631
206991_PM_s_at	CCR5	630
207697_PM_x_at	LILRB2	630
205639_PM_at	AOAH	629
219191_PM_s_at	BIN2	629
203047_PM_at	STK10	629
208071_PM_s_at	LAIR1	628
203760_PM_s_at	SLA	627
205147_PM_x_at	NCF4	627
221293_PM_s_at	DEF6	627
204882_PM_at	ARHGAP25	626
228869_PM_at	SNX20	626
203508_PM_at	TNFRSF1B	624
205685_PM_at	CD86	624

203217_PM_s_at	ST3GAL5	623
218805_PM_at	GIMAP5	623
219243_PM_at	GIMAP4	621
204502_PM_at	SAMHD1	619
207957_PM_s_at	PRKCB	618
211768_PM_at	LAT2	618
225353_PM_s_at	C1QC	617
204118_PM_at	CD48	617
235359_PM_at	LRRC33	617
203470_PM_s_at	PLEK	616
208012_PM_x_at	SP110	616
224451_PM_x_at	ARHGAP9	616
208436_PM_s_at	IRF7	616
221666_PM_s_at	PYCARD	615
209949_PM_at	NCF2	614
210176_PM_at	TLR1	613
218322_PM_s_at	two	613
218223_PM_s_at	PLEKHO1	613
219666_PM_at	MS4A6A	612
207419_PM_s_at	RAC2	612
206219_PM_s_at	VAV1	612
204014_PM_at	DUSP4	612
235306_PM_at	GIMAP8	611
223583_PM_at	TNFAIP8L2	611
205474_PM_at	CRLF3	610
214084_PM_x_at	// NCF1 ///	610
229437_PM_at	MIR155HG	608
214511_PM_x_at	FCGR1B	607
203185_PM_at	RASSF2	607
203320_PM_at	SH2B3	607
206120_PM_at	CD33	607
202901_PM_x_at	CTSS	606
228094_PM_at	AMICA1	606
206513_PM_at	AIM2	605
227606_PM_s_at	STAMBPL1	604
207691_PM_x_at	ENTPD1	604
204122_PM_at	TYROBP	603
204912_PM_at	IL10RA	603
206420_PM_at	IGSF6	603
213733_PM_at	MYO1F	603
202910_PM_s_at	CD97	603
1553043_PM_a_at	CD300LF	603
226474_PM_at	NLRC5	602
220146_PM_at	TLR7	602
202625_PM_at	LYN	601
204279_PM_at	PSMB9	601
203104_PM_at	CSF1R	601

213475_PM_s_at	ITGAL	600
220832_PM_at	TLR8	600
219691_PM_at	SAMD9	600
204489_PM_s_at	CD44	599
214467_PM_at	GPR65	599
206707_PM_x_at	FAM65B	599
213136_PM_at	PTPN2	598
204923_PM_at	SASH3	598
223562_PM_at	PARVG	597
205859_PM_at	LY86	596
220066_PM_at	NOD2	596
204057_PM_at	IRF8	595
207777_PM_s_at	SP140	595
207823_PM_s_at	AIF1	594
206682_PM_at	CLEC10A	594
209083_PM_at	CORO1A	593
205249_PM_at	EGR2	592
202803_PM_s_at	ITGB2	591
205285_PM_s_at	FYB	591
213415_PM_at	CLIC2	591
204158_PM_s_at	TCIRG1	591
204197_PM_s_at	RUNX3	590
220330_PM_s_at	SAMSN1	589
201720_PM_s_at	LAPTM5	589
204285_PM_s_at	PMAIP1	589
219634_PM_at	CHST11	589
209734_PM_at	NCKAP1L	589
206060_PM_s_at	PTPN22	589
207187_PM_at	JAK3	588
1552703_PM_s_at	CD16 /// CA	588
226991_PM_at	NFATC2	588
205119_PM_s_at	FPR1	587
232024_PM_at	GIMAP2	587
205642_PM_at	CEP110	587
205692_PM_s_at	CD38	587
208091_PM_s_at	VOPP1	586
206247_PM_at	MICB	586
238063_PM_at	TMEM154	586
207651_PM_at	GPR171	585
204232_PM_at	FCER1G	585
204982_PM_at	GIT2	585
202531_PM_at	IRF1	583
218559_PM_s_at	MAFB	583
205789_PM_at	CD1D	583
209879_PM_at	SELPLG	583
204774_PM_at	EVI2A	582
219777_PM_at	GIMAP6	582

227799_PM_at	MYO1G	582
224916_PM_at	TMEM173	581
204794_PM_at	DUSP2	581
228532_PM_at	C1orf162	580
228298_PM_at	FAM113B	580
209310_PM_s_at	CASP4	579
225622_PM_at	PAG1	579
206914_PM_at	CRTAM	579
204702_PM_s_at	NFE2L3	579
219540_PM_at	ZNF267	579
210225_PM_x_at	LILRB3	579
219593_PM_at	SLC15A3	579
204698_PM_at	ISG20	578
209124_PM_at	MYD88	578
219716_PM_at	APOL6	576
208296_PM_x_at	TNFAIP8	575
240572_PM_s_at	LOC374443	575
202748_PM_at	GBP2	574
202307_PM_s_at	TAP1	574
206761_PM_at	CD96	574
211742_PM_s_at	EVI2B	573
223322_PM_at	RASSF5	573
208885_PM_at	LCP1	573
205291_PM_at	IL2RB	572
221840_PM_at	PTPRE	572
205926_PM_at	IL27RA	572
211656_PM_x_at	1 /// LOC10	571
204924_PM_at	TLR2	571
209795_PM_at	CD69	571
205214_PM_at	STK17B	571
202953_PM_at	C1QB	571
202497_PM_x_at	SLC2A3	571
204639_PM_at	ADA	571
217874_PM_at	SUCLG1	570
216950_PM_s_at	R1A /// FCC	570
229625_PM_at	GBP5	570
219788_PM_at	PILRA	569
217992_PM_s_at	EFHD2	569
207238_PM_s_at	PTPRC	568
218913_PM_s_at	GMIP	568
217478_PM_s_at	HLA-DMA	567
226117_PM_at	TIFA	567
238439_PM_at	ANKRD22	567
207509_PM_s_at	LAIR2	567
223533_PM_at	LRRC8C	566
235291_PM_s_at	FLJ32255	566
225415_PM_at	DTX3L	565

214054_PM_at	DOK2	565
214032_PM_at	ZAP70	564
219281_PM_at	MSRA	562
219014_PM_at	PLAC8	562
212873_PM_at	HMHA1	562
221698_PM_s_at	CLEC7A	562
223640_PM_at	HCST	561
201422_PM_at	IFI30	561
210354_PM_at	IFNG	561
213293_PM_s_at	TRIM22	560
204951_PM_at	RHOH	560
231667_PM_at	SLC39A5	559
227210_PM_at	SFMBT2	559
220132_PM_s_at	CLEC2D	558
202957_PM_at	HCLS1	558
1552701_PM_a_at	CARD16	558
210439_PM_at	ICOS	558
201649_PM_at	UBE2L6	557
205599_PM_at	TRAF1	557
229916_PM_at	ENPP6	556
207375_PM_s_at	IL15RA	556
225763_PM_at	RCSD1	556
239522_PM_at	IL12RB1	556
204890_PM_s_at	LCK	555
225904_PM_at	C1orf96	555
209723_PM_at	SERPINB9	555
206878_PM_at	DAO	554
207485_PM_x_at	BTN3A1	554
216748_PM_at	PYHIN1	554
228362_PM_s_at	FAM26F	554
218603_PM_at	HECA	554
228410_PM_at	GAB3	553
211178_PM_s_at	PSTPIP1	553
205299_PM_s_at	BTN2A2	553
234974_PM_at	GALM	552
202772_PM_at	HMGCL	552
203485_PM_at	RTN1	552
206082_PM_at	HCP5	552
204563_PM_at	SELL	552
207075_PM_at	NLRP3	552
219971_PM_at	IL21R	552
218021_PM_at	S4 /// DHR:	551
219938_PM_s_at	PSTPIP2	551
225701_PM_at	AKNA	551
210629_PM_x_at	LST1	551
214617_PM_at	PRF1	551
206469_PM_x_at	AKR7A3	550



207085_PM_x_at	CSF2RA	550
210031_PM_at	CD247	550
231623_PM_at	TMEM174	549
219298_PM_at	ECHDC3	549
204221_PM_x_at	GLIPR1	549
202664_PM_at	WIPF1	549
205175_PM_s_at	KHK	548
209605_PM_at	TST	548
213975_PM_s_at	LYZ	548
201697_PM_s_at	DNMT1	548
204220_PM_at	GMFG	548
202659_PM_at	PSMB10	548
209606_PM_at	CYTIP	548
204820_PM_s_at	3A2 /// BTM	548
208997_PM_s_at	UCP2	548
226748_PM_at	LYSMD2	547
219505_PM_at	CECR1	547
202108_PM_at	PEPD	546
220753_PM_s_at	CRYL1	546
209040_PM_s_at	PSMB8	546
215925_PM_s_at	CD72	546
207610_PM_s_at	EMR2	545
205831_PM_at	CD2	545
228167_PM_at	KLHL6	545
226818_PM_at	MPEG1	544
1552497_PM_a_at	SLAMF6	544
204804_PM_at	TRIM21	543
210164_PM_at	GZMB	543
240070_PM_at	TIGIT	543
225272_PM_at	SAT2	542
202139_PM_at	AKR7A2	542
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209309_PM_at	AZGP1	542
209760_PM_at	KIAA0922	542
226603_PM_at	SAMD9L	541
209827_PM_s_at	IL16	541
1552398_PM_a_at	12A /// CLE	541
205569_PM_at	LAMP3	541
227262_PM_at	HAPLN3	541
205988_PM_at	CD84	540
205038_PM_at	IKZF1	540
206584_PM_at	LY96	540
1559584_PM_a_at	C16orf54	539
212701_PM_at	TLN2	538
219290_PM_x_at	DAPP1	538
204858_PM_s_at	TYMP	538
209977_PM_at	PLG	537

215151_PM_at	DOCK10	537
205681_PM_at	BCL2A1	537
236673_PM_at	TIFAB	537
205153_PM_s_at	CD40	536
220577_PM_at	GVIN1	536
228752_PM_at	EFCAB4B	536
207076_PM_s_at	ASS1	535
207544_PM_s_at	ADH6	535
224411_PM_at	PLA2G12B	535
205733_PM_at	BLM	534
223732_PM_at	SLC23A1	533
217985_PM_s_at	BAZ1A	533
205505_PM_at	GCNT1	533
220485_PM_s_at	SIRPG	533
206325_PM_at	SERPINA6	532
236782_PM_at	SAMD3	532
211990_PM_at	HLA-DPA1	532
218157_PM_x_at	CDC42SE1	532
219873_PM_at	COLEC11	531
213566_PM_at	RNASE6	531
206765_PM_at	KCNJ2	531
219113_PM_x_at	HSD17B14	530
213539_PM_at	CD3D	530
205965_PM_at	BATF	530
1552755_PM_at	C9orf66	529
219739_PM_at	RNF186	529
238025_PM_at	MLKL	529
227609_PM_at	EPSTI1	529
207522_PM_s_at	ATP2A3	529
205673_PM_s_at	ASB9	528
210343_PM_s_at	SLC22A6	528
206118_PM_at	STAT4	528
206978_PM_at	CCR2	528
218308_PM_at	TACC3	528
205355_PM_at	ACADSB	527
205750_PM_at	BPHL	527
218862_PM_at	ASB13	527
206930_PM_at	GLYAT	527
205682_PM_x_at	APOM	527
211209_PM_x_at	SH2D1A	527
204821_PM_at	BTN3A3	527
210029_PM_at	IDO1	527
1405_PM_i_at	CCL5	527
206030_PM_at	ASPA	526
209696_PM_at	FBP1	526
218543_PM_s_at	PARP12	526
227168_PM_at	MIAT	526

231790_PM_at	DMGDH	525
204289_PM_at	ALDH6A1	525
205922_PM_at	VNN2	525
219403_PM_s_at	HPSE	525
204971_PM_at	CSTA	524
225834_PM_at	/ FAM72B /	524
203790_PM_s_at	HRSP12	523
207184_PM_at	SLC6A13	522
221331_PM_x_at	CTLA4	522
224925_PM_at	PREX1	522
203358_PM_s_at	EZH2	521
226743_PM_at	SLFN11	521
205675_PM_at	MTTP	520
203554_PM_x_at	PTTG1	520
210085_PM_s_at	ANXA9	519
205364_PM_at	ACOX2	519
220801_PM_s_at	HAO2	519
201562_PM_s_at	SORD	519
204608_PM_at	ASL	519
224871_PM_at	TPRG1L	518
226649_PM_at	PANK1	518
207560_PM_at	SLC28A1	518
206484_PM_s_at	XPNPEP2	518
217838_PM_s_at	EVL	518
209166_PM_s_at	MAN2B1	518
202025_PM_x_at	ACAA1	517
230481_PM_at	ACY3	517
224179_PM_s_at	MIOX	517
209978_PM_s_at	LPA /// PLG	517
205237_PM_at	FCN1	517
219655_PM_at	C7orf10	516
229526_PM_at	AQP11	516
208950_PM_s_at	ALDH7A1	516
213923_PM_at	RAP2B	516
212413_PM_at	6-Sep	516
219222_PM_at	RBKS	515
218611_PM_at	IER5	515
219792_PM_at	AGMAT	514
204994_PM_at	MX2	514
205671_PM_s_at	HLA-DOB	514
223482_PM_at	TMEM120A	513
202740_PM_at	ACY1	513
219902_PM_at	BHMT2	513
236226_PM_at	BTLA	513
210152_PM_at	LILRB4	513
220074_PM_at	CDHR5	512
219803_PM_at	ANGPTL3	512

220951_PM_s_at	A1CF	512
219471_PM_at	C13orf18	512
227560_PM_at	SFXN2	511
220554_PM_at	SLC22A7	511
203302_PM_at	DCK	511
202269_PM_x_at	GBP1	511
201506_PM_at	TGFBI	511
228258_PM_at	TBC1D10C	511
226879_PM_at	HVCN1	510
229596_PM_at	AMDHD1	509
216696_PM_s_at	PRODH2	509
204670_PM_x_at	RB1 /// HLA	509
228071_PM_at	GIMAP7	509
204972_PM_at	OAS2	509
219527_PM_at	MOSC2	508
217761_PM_at	ADI1	508
206964_PM_at	NAT8B	508
202988_PM_s_at	RGS1	508
202156_PM_s_at	CELF2	508
209881_PM_s_at	AT /// SPNS	508
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227807_PM_at	PARP9	338
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200632_PM_s_at	NDRG1	326
204950_PM_at	CARD8	326
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200951_PM_s_at	CCND2	325
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221816_PM_s_at	PHF11	322
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212836_PM_at	POLD3	179

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208335_PM_s_at	DARC	51
221187_PM_s_at	FUZ	50
1553989_PM_a_at	ATP6V1C2	50
205102_PM_at	TMPRSS2	50
207047_PM_s_at	AKA /// CLC	50
204060_PM_s_at	RKX /// PRK	50
201012_PM_at	ANXA1	50
211637_PM_x_at	I /// IGHM ,	50
218922_PM_s_at	LASS4	49
202685_PM_s_at	AXL	49
211634_PM_x_at	IGHM /// I,	49
217480_PM_x_at	IC1002877:	49
230763_PM_at	SPATA17	48
214973_PM_x_at	IC290059 //,	48
212592_PM_at	IGJ	48
209735_PM_at	ABCG2	47
205354_PM_at	GAMT	47
208747_PM_s_at	C1S	47
201798_PM_s_at	MYOF	47
217850_PM_at	GNL3	47
203299_PM_s_at	AP1S2	47
215121_PM_x_at	T1 /// IGLV	47
205987_PM_at	CD1C	47
207463_PM_x_at	SS2 /// PRS	46
205409_PM_at	FOSL2	46
216542_PM_x_at	/// IGHM /,	46

216412_PM_x_at	IC1002905!	46
215176_PM_x_at	iKC /// LOC	46
211644_PM_x_at	IGKV3-20 /	46
219888_PM_at	SPAG4	46
202687_PM_s_at	TNFSF10	45
211980_PM_at	COL4A1	45
222162_PM_s_at	ADAMTS1	45
206115_PM_at	EGR3	45
214916_PM_x_at	3 /// IGHM	45
217378_PM_x_at	100 /// LOC	45
216401_PM_x_at	LOC652493	45
206957_PM_at	AGXT	44
219295_PM_s_at	PCOLCE2	44
237639_PM_at	TMEM207	44
201300_PM_s_at	PRNP	44
202870_PM_s_at	CDC20	44
226077_PM_at	RNF145	44
215214_PM_at	/// IGLV3-	44
233562_PM_at	LOC84856	43
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223434_PM_at	GBP3	43
217281_PM_x_at	IG3 /// IGH	43
211641_PM_x_at	G3 /// IGHI	43
211650_PM_x_at	69 /// IGH\	43
212750_PM_at	PPP1R16B	42
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219181_PM_at	LIPG	42
210495_PM_x_at	FN1	42
219410_PM_at	TMEM45A	42
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229860_PM_x_at	C4orf48	42
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229152_PM_at	C4orf7	38
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227238_PM_at	MUC15	37

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232645_PM_at	LOC153684	37
202345_PM_s_at	FABP5	37
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241949_PM_at	ACOT6	36
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204641_PM_at	NEK2	36
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209220_PM_at	GPC3	35
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220615_PM_s_at	FAR2	35
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227514_PM_at	ITPRIPL2	33
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210139_PM_s_at	PMP22	33
227628_PM_at	GPX8	33
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222235_PM_s_at	ACT2 /// LO	27
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205559_PM_s_at	PCSK5	7



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212472_PM_at	MICAL2	4
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223877_PM_at	C1QTNF7	3
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228153_PM_at	RNF144B	3

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202284_PM_s_at	CDKN1A	3
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203290_PM_at	HLA-DQA1	2
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225016_PM_at	APCDD1	2
205499_PM_at	SRPX2	2
203828_PM_s_at	IL32	2
209752_PM_at	REG1A	2
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207367_PM_at	ATP12A	1
218687_PM_s_at	MUC13	1
228194_PM_s_at	SORCS1	1
238215_PM_at	SLC6A18	1
229476_PM_s_at	THRSP	1
203779_PM_s_at	MPZL2	1
205782_PM_at	FGF7	1
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1568609_PM_s_at	LOC1001328 /// LOC1	1
209708_PM_at	MOXD1	1
206697_PM_s_at	HP	1
224061_PM_at	INMT	1
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234974_PM_at	GALM	882
219527_PM_at	MOSC2	875
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205222_PM_at	EHHADH	874
226649_PM_at	PANK1	869
220753_PM_s_at	CRYL1	857
204289_PM_at	ALDH6A1	857
219298_PM_at	ECHDC3	856
203560_PM_at	GGH	846
205269_PM_at	LCP2	845
31845_PM_at	ELF4	836
230830_PM_at	OSTBETA	832
205673_PM_s_at	ASB9	831
219076_PM_s_at	PXMP2	831
210619_PM_s_at	HYAL1	829
228375_PM_at	IGSF11	824
226382_PM_at	CAMK1D /// LOC2	820
1552755_PM_at	C9orf66	818
202025_PM_x_at	ACAA1	817
209605_PM_at	TST	816
205751_PM_at	SH3GL2	814
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207407_PM_x_at	CYP4A11	790
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226474_PM_at	NLRC5	787
231790_PM_at	DMGDH	787
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200903_PM_s_at	AHCY	785
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210538_PM_s_at	BIRC3	782

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218802_PM_at	CCDC109B	775
205942_PM_s_at	ACSM3	775
218025_PM_s_at	PECI	773
218021_PM_at	DHRS4 /// DHRS4L	773
221565_PM_s_at	CALHM2	773
206226_PM_at	HRG	772
213160_PM_at	DOCK2	769
232422_PM_at	A2LD1	767
206878_PM_at	DAO	766
207076_PM_s_at	ASS1	765
223658_PM_at	KCNK6	764
204044_PM_at	QPRT	764
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215966_PM_x_at	GK3P	760
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227865_PM_at	C9orf103	751
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228274_PM_at	SDSL	746
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207387_PM_s_at	GK	744
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216984_PM_x_at	IGLV2-23 /// LOC1	183
215121_PM_x_at	CYAT1 /// IGLV1-4	183
205776_PM_at	FMO5	183
1554246_PM_at	C1orf210	183
203146_PM_s_at	GABBR1	183
205765_PM_at	CYP3A5	183
226670_PM_s_at	PABPC1L	182
201798_PM_s_at	MYOF	182
204361_PM_s_at	SKAP2	182
224357_PM_s_at	MS4A4A	181
209994_PM_s_at	ABCB1 /// ABCB4	181
219759_PM_at	ERAP2	181
208370_PM_s_at	RCAN1	181
1567458_PM_s_at	RAC1	180
214916_PM_x_at	IGH@ /// IGHA1 //	179
202136_PM_at	ZMYND11	179
204332_PM_s_at	AGA	178
227403_PM_at	PIGX	178
201337_PM_s_at	VAMP3	178
202911_PM_at	MSH6	177
1553923_PM_at	SLC22A24	176
206254_PM_at	EGF	176
219161_PM_s_at	CKLF	176
219436_PM_s_at	EMCN	176
202955_PM_s_at	ARFGEF1	176
217378_PM_x_at	LOC100130100 ///	175
204150_PM_at	STAB1	175
215268_PM_at	KIAA0754	175
212067_PM_s_at	C1R	175
201667_PM_at	GJA1	175
215231_PM_at	PRKAG2	175
221177_PM_at	MIA2	174
220240_PM_s_at	TMCO3	174
217901_PM_at	DSG2	174
218179_PM_s_at	C4orf41	174
217816_PM_s_at	PCNP	173
207766_PM_at	CDKL1	172
217979_PM_at	TSPAN13	172
203413_PM_at	NELL2	172

219029_PM_at	C5orf28	172
228186_PM_s_at	RSPO3	171
214774_PM_x_at	TOX3	171
220332_PM_at	CLDN16	171
204963_PM_at	SSPN	170
205354_PM_at	GAMT	170
216401_PM_x_at	LOC652493	169
219725_PM_at	TREM2	169
202637_PM_s_at	ICAM1	169
219051_PM_x_at	METRNL	169
AFFX-HUMISGF3A/M97	STAT1	168
209436_PM_at	SPON1	168
202277_PM_at	SPTLC1	168
202088_PM_at	SLC39A6	168
201743_PM_at	CD14	166
227014_PM_at	ASPHD2	166
204519_PM_s_at	PLLP	165
204638_PM_at	ACP5	165
216576_PM_x_at	IGK@ /// IGKC ///	164
216412_PM_x_at	LOC100290557	164
216950_PM_s_at	FCGR1A /// FCGR1	164
203608_PM_at	ALDH5A1	164
207174_PM_at	GPC5	164
225822_PM_at	TMEM125	164
223809_PM_at	RGS18	163
219410_PM_at	TMEM45A	163
1558002_PM_at	STRAP	163
211641_PM_x_at	IGH@ /// IGHA1 //	162
203325_PM_s_at	COL5A1	162
205614_PM_x_at	MST1	162
203065_PM_s_at	CAV1	162
219132_PM_at	PELI2	161
204426_PM_at	TMED2	161
202582_PM_s_at	RANBP9	161
215214_PM_at	IGLC1 /// IGLL5 ///	160
209803_PM_s_at	PHLDA2	160
235175_PM_at	GBP4	160
204135_PM_at	FILIP1L	160
219036_PM_at	CEP70	160
200794_PM_x_at	DAZAP2	160
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220046_PM_s_at	CCNL1	159
200768_PM_s_at	MAT2A	159
202514_PM_at	DLG1	159
222659_PM_at	IPO11	159
206942_PM_s_at	PMCH	158
207047_PM_s_at	CLCNKA /// CLCNK	158

231930_PM_at	ELMOD1	157
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222507_PM_s_at	TMEM9B	157
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202238_PM_s_at	NNMT	155
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214995_PM_s_at	APOBEC3F /// APC	155
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212364_PM_at	MYO1B	155
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206919_PM_at	ELK4	154
209714_PM_s_at	CDKN3	154
201231_PM_s_at	ENO1	154
217946_PM_s_at	SAE1	154
210225_PM_x_at	LILRB3	153
226018_PM_at	C7orf41	153
207373_PM_at	HOXD10	153
200068_PM_s_at	CANX	153
215946_PM_x_at	IGLL1 /// IGLL3 ///	152
239983_PM_at	SLC30A8	152
221698_PM_s_at	CLEC7A	152
204114_PM_at	NID2	152
208694_PM_at	PRKDC	152
212616_PM_at	CHD9	151
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224875_PM_at	C5orf24	150
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204806_PM_x_at	HLA-F	148
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227514_PM_at	ITPRIPL2	148
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214823_PM_at	ZNF204P	148
238287_PM_at	SLC7A13	147
228372_PM_at	C10orf128	147
210992_PM_x_at	FCGR2C	147
204299_PM_at	SFRS13A	147

227828_PM_s_at	FAM176A	147
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226946_PM_at	C5orf33	145
200653_PM_s_at	CALM1	145
220773_PM_s_at	GPHN	144
209822_PM_s_at	VLDLR	144
206715_PM_at	TFEC	144
216557_PM_x_at	IGHA1 /// IGHD //,	143
223583_PM_at	TNFAIP8L2	143
225016_PM_at	APCDD1	143
204932_PM_at	TNFRSF11B	143
211633_PM_x_at	IGH@ /// IGHA1 //	142
200656_PM_s_at	P4HB	142
220477_PM_s_at	C20orf30	142
201741_PM_x_at	SFRS1	142
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206303_PM_s_at	NUDT4	140
220775_PM_s_at	UEVLD	140
204994_PM_at	MX2	139
225899_PM_x_at	FLJ45340 /// FLJ45	139
203895_PM_at	PLCB4	139
226226_PM_at	TMEM45B	139
206716_PM_at	UMOD	139
203710_PM_at	ITPR1	139
210275_PM_s_at	ZFAND5	139
226613_PM_at	GATSL3 /// TBC1D	138
225929_PM_s_at	RNF213	137
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1553989_PM_a_at	ATP6V1C2	137
227646_PM_at	EBF1	137
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201288_PM_at	ARHGDI3	136
206504_PM_at	CYP24A1	136
211637_PM_x_at	IGH@ /// IGHA1 //	135
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1556554_PM_at	TRIM50	131
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224975_PM_at	NFIA	130
209582_PM_s_at	CD200	129
205472_PM_s_at	DACH1	129
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218756_PM_s_at	DHRS11	129
218995_PM_s_at	EDN1	128
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239656_PM_at	LOC723809	124
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204780_PM_s_at	FAS	118
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206876_PM_at	SIM1	117
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201663_PM_s_at	SMC4	116
205195_PM_at	AP1S1	116
213716_PM_s_at	SECTM1	115
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225119_PM_at	CHMP4B	115
218846_PM_at	MED23	115
229177_PM_at	C16orf89	114
219213_PM_at	JAM2	114
215388_PM_s_at	CFH /// CFHR1	113
229740_PM_at	LOC643008	113
208131_PM_s_at	PTGIS	113
200986_PM_at	SERPING1	112
231018_PM_at	PALM3	112
220072_PM_at	CSPP1	112
218119_PM_at	LOC10431 /// TIM	112
209463_PM_s_at	TAF12	112
213502_PM_x_at	LOC91316	111
214973_PM_x_at	IGHD /// LOC1002	111
220646_PM_s_at	KLRF1	111
209006_PM_s_at	C1orf63	111
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223758_PM_s_at	GTF2H2	111
204787_PM_at	VSIG4	110
218009_PM_s_at	PRC1	110
225436_PM_at	FAM108C1	110
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209457_PM_at	DUSP5	109



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220786_PM_s_at	SLC38A4	105
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209369_PM_at	ANXA3	102
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205413_PM_at	MPPED2	97
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212999_PM_x_at	HLA-DQB1 /// HLA	96

228635_PM_at	PCDH10	96
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231008_PM_at	UNC5CL	95
202196_PM_s_at	DKK3	95
244565_PM_at	HMX2	95
211644_PM_x_at	IGK@ /// IGKC ///	94
231202_PM_at	ALDH1L2	94
239205_PM_s_at	CR1 /// CR1L	94
205404_PM_at	HSD11B1	94
218824_PM_at	PNMAL1	94
206404_PM_at	FGF9	94
205987_PM_at	CD1C	93
202752_PM_x_at	SLC7A8	93
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212093_PM_s_at	MTUS1	93
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206638_PM_at	HTR2B	91
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219017_PM_at	ETNK1	86
1563445_PM_x_at	LOC1518	85
204061_PM_at	PRKX	85
201852_PM_x_at	COL3A1	85
223038_PM_s_at	FAM60A /// LOC72	85
211136_PM_s_at	CLPTM1	85

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219140_PM_s_at	RBP4	84
226829_PM_at	AFAP1L2	84
203021_PM_at	SLPI	83
225655_PM_at	UHRF1	83
204213_PM_at	PIGR	83
223413_PM_s_at	LYAR	83
219427_PM_at	FAT4	83
211430_PM_s_at	IGH@ /// IGHG1 //	82
209260_PM_at	SFN	82
223805_PM_at	OSBPL6	82
207796_PM_x_at	KLRD1	82
213212_PM_x_at	GOLGA6L5 /// GOI	82
204304_PM_s_at	PROM1	82
219703_PM_at	MNS1	82
206546_PM_at	SYCP2	81
203477_PM_at	COL15A1	81
208894_PM_at	HLA-DRA	81
214725_PM_at	C8orf84	81
213800_PM_at	CFH	80
204472_PM_at	GEM	80
243231_PM_at	SLC38A11	80
217875_PM_s_at	PMEPA1	79
204259_PM_at	MMP7	79
1562062_PM_at	KIAA1245 /// LOC2	79
209869_PM_at	ADRA2A	79
202018_PM_s_at	LTF	78
226612_PM_at	UBE2QL1	78
212777_PM_at	SOS1	78
203167_PM_at	TIMP2	78
1557474_PM_at	LOC284578	78
218521_PM_s_at	UBE2W	78
236706_PM_at	LYG1	78
216542_PM_x_at	IGHA1 /// IGHG1 /	77
203889_PM_at	SCG5	77
203603_PM_s_at	ZEB2	77
202291_PM_s_at	MGP	77
210852_PM_s_at	AASS	77
223649_PM_s_at	SLC25A39	77
206262_PM_at	ADH1C	76
205097_PM_at	SLC26A2	76
219134_PM_at	ELTD1	76
219274_PM_at	TSPAN12	76

243432_PM_at	LOC642891	75
213421_PM_x_at	PRSS3	75
214428_PM_x_at	C4A /// C4B /// LO	75
220415_PM_at	TNNI3K	74
226622_PM_at	MUC20	74
229801_PM_at	C10orf47	74
204088_PM_at	P2RX4	74
211538_PM_s_at	HSPA2	74
203256_PM_at	CDH3	73
212344_PM_at	SULF1	73
219551_PM_at	EAF2	73
225288_PM_at	COL27A1	73
215169_PM_at	SLC35E2	73
202464_PM_s_at	PFKFB3	73
219888_PM_at	SPAG4	72
231179_PM_at	IP6K3	72
229158_PM_at	WNK4	72
1557996_PM_at	LOC100132832	72
234103_PM_at	KCNT2	71
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230822_PM_at	TMEM61	71
218392_PM_x_at	SFXN1	71
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206061_PM_s_at	DICER1	71
229372_PM_at	GOLT1A	71
205357_PM_s_at	AGTR1	71
215849_PM_x_at	TTC18	71
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231058_PM_at	FXVD4	70
220613_PM_s_at	SYTL2	70
204124_PM_at	SLC34A2	69
229622_PM_at	FAM132B	69
204802_PM_at	RRAD	69
244766_PM_at	LOC100271836 ///	69
208456_PM_s_at	RRAS2	69
213380_PM_x_at	MST1P9	69
202381_PM_at	ADAM9	69
212472_PM_at	MICAL2	68
212010_PM_s_at	CDV3	68
220342_PM_x_at	EDEM3	68
208937_PM_s_at	ID1	68
205597_PM_at	SLC44A4	67
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201744_PM_s_at	LUM	66
202403_PM_s_at	COL1A2	66

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208782_PM_at	FSTL1	65
230030_PM_at	HS6ST2	65
223467_PM_at	RASD1	64
201212_PM_at	LGMN	64
227807_PM_at	PARP9	63
204858_PM_s_at	TYMP	63
222162_PM_s_at	ADAMTS1	63
204606_PM_at	CCL21	63
208322_PM_s_at	ST3GAL1	63
205433_PM_at	BCHE	62
1552398_PM_a_at	CLEC12A /// CLEC1	61
210321_PM_at	GZMH	61
208729_PM_x_at	HLA-B	61
201693_PM_s_at	EGR1	61
1570566_PM_at	LOC100287529	61
204501_PM_at	NOV	61
220784_PM_s_at	UTS2	61
215078_PM_at	SOD2	60
1555854_PM_at	AKR1C1 /// AKR1C	60
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214920_PM_at	THSD7A	59
206278_PM_at	PTAFR	58
208607_PM_s_at	SAA1 /// SAA2	58
227609_PM_at	EPSTI1	58
205237_PM_at	FCN1	58
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226769_PM_at	FIBIN	58
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229584_PM_at	LRRK2	57
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206748_PM_s_at	SPAG9	57
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203407_PM_at	PPL	57
204007_PM_at	FCGR3B	56
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203234_PM_at	UPP1	56
214059_PM_at	IFI44	56
207847_PM_s_at	MUC1	56
212671_PM_s_at	HLA-DQA1 /// HLA	55
212992_PM_at	AHNAK2	55
201187_PM_s_at	ITPR3	55

209291_PM_at	ID4	55
205116_PM_at	LAMA2	55
227074_PM_at	LOC100131564	55
228438_PM_at	LOC100132891	55
210072_PM_at	CCL19	54
204322_PM_at	GOLIM4	54
201650_PM_at	KRT19	54
213874_PM_at	SERPINA4	54
238452_PM_at	FCRLB	54
206049_PM_at	SELP	53
1553145_PM_at	FLJ39653	53
228504_PM_at	SCN7A	53
202376_PM_at	SERPINA3	52
227926_PM_s_at	LOC200030 /// NB	52
203824_PM_at	TSPAN8	51
215785_PM_s_at	CYFIP2	50
210354_PM_at	IFNG	50
220624_PM_s_at	ELF5	50
201428_PM_at	CLDN4	50
218960_PM_at	TMPRSS4	50
229254_PM_at	MFSD4	50
202917_PM_s_at	S100A8	49
214735_PM_at	IPCEF1	49
227850_PM_x_at	CDC42EP5	49
214291_PM_at	LOC729046 /// RP	49
201967_PM_at	RBM6	49
213022_PM_s_at	UTRN	49
215949_PM_x_at	IGHM /// LOC6524	48
202935_PM_s_at	SOX9	48
206595_PM_at	CST6	48
216598_PM_s_at	CCL2	48
203140_PM_at	BCL6	48
210145_PM_at	PLA2G4A	48
204931_PM_at	TCF21	48
225687_PM_at	FAM83D	47
205826_PM_at	MYOM2	47
228341_PM_at	NUDT16	47
205557_PM_at	BPI	47
207993_PM_s_at	CHP	47
218039_PM_at	NUSAP1	46
201261_PM_x_at	BGN	46
205728_PM_at	ODZ1	46
205894_PM_at	ARSE	46
1560697_PM_at	LOC283392	46
203305_PM_at	F13A1	45
203747_PM_at	AQP3	45
210523_PM_at	BMPR1B	45

203108_PM_at	GPRC5A	45
204979_PM_s_at	SH3BGR	45
225821_PM_s_at	BOD1L	45
212233_PM_at	MAP1B	45
205382_PM_s_at	CFD	45
209752_PM_at	REG1A	44
213060_PM_s_at	CHI3L2	44
223631_PM_s_at	C19orf33	44
206367_PM_at	REN	44
209372_PM_x_at	TUBB2A /// TUBB2	44
204223_PM_at	PRELP	44
206837_PM_at	ALX1	44
215129_PM_at	PIK3C2G	43
209619_PM_at	CD74	43
201464_PM_x_at	JUN	43
228153_PM_at	RNF144B	43
203516_PM_at	SNTA1	43
220324_PM_at	C6orf155	43
230093_PM_at	RSPH1	43
201818_PM_at	LPCAT1	42
205608_PM_s_at	ANGPT1	42
206599_PM_at	SLC16A5	42
208323_PM_s_at	ANXA13	42
223349_PM_s_at	BOK	42
205422_PM_s_at	ITGBL1	41
215039_PM_at	HS2ST1 /// LOC339	41
205808_PM_at	ASPH	40
203535_PM_at	S100A9	39
223434_PM_at	GBP3	39
209529_PM_at	PPAP2C	39
228017_PM_s_at	NKAIN4	39
207191_PM_s_at	ISLR	39
205991_PM_s_at	PRRX1	39
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204623_PM_at	TFF3	39
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241031_PM_at	C2CD4A	38
202965_PM_s_at	CAPN6	38
219062_PM_s_at	ZCCHC2	38
200959_PM_at	FUS	38
204955_PM_at	SRPX	38
225761_PM_at	PAPD4	38
203485_PM_at	RTN1	37
219716_PM_at	APOL6	37
226334_PM_s_at	AHSA2	37
212944_PM_at	SLC5A3	37
227461_PM_at	STON2	37

227911_PM_at	ARHGAP28	37
239757_PM_at	ZFAND6	37
208003_PM_s_at	NFAT5	37
212775_PM_at	OBSL1	37
225667_PM_s_at	FAM84A	37
224530_PM_s_at	KCNIP4	36
203868_PM_s_at	VCAM1	35
200628_PM_s_at	WARS	35
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208978_PM_at	CRIP2	35
206025_PM_s_at	TNFAIP6	35
205409_PM_at	FOSL2	35
219768_PM_at	VTCN1	35
203887_PM_s_at	THBD	34
205910_PM_s_at	CEL	34
202719_PM_s_at	TES	34
216233_PM_at	CD163	34
215123_PM_at	LOC100288332 ///	34
210408_PM_s_at	CPNE6	34
213568_PM_at	OSR2	34
211257_PM_x_at	ZNF638	34
204846_PM_at	CP	33
209540_PM_at	IGF1	33
1557161_PM_at	LOC100132735	33
229674_PM_at	SERTAD4	33
209955_PM_s_at	FAP	33
224352_PM_s_at	CFL2	33
229313_PM_at	ANO5	33
37462_PM_i_at	SF3A2	33
218638_PM_s_at	SPON2	32
205532_PM_s_at	CDH6	32
203953_PM_s_at	CLDN3	32
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223869_PM_at	SOST	32
203812_PM_at	SLIT3	32
205979_PM_at	SCGB2A1	32
224339_PM_s_at	ANGPTL1	32
1569003_PM_at	TMEM49	31
201416_PM_at	SOX4	31
204747_PM_at	IFIT3	31
220272_PM_at	BNC2	31
206093_PM_x_at	TNXA /// TNXB	31
205777_PM_at	DUSP9	31
221761_PM_at	ADSS	31
235775_PM_at	TMTC2	31
1552535_PM_at	CLDN19	31
213496_PM_at	LPPR4	30



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206116_PM_s_at	TPM1	30
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202086_PM_at	MX1	29
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209469_PM_at	GPM6A	29
225343_PM_at	TMED8	29
204948_PM_s_at	FST	29
204988_PM_at	FGB	28
213170_PM_at	GPX7	28
217436_PM_x_at	HLA-A /// HLA-F //	28
205848_PM_at	GAS2	28
236972_PM_at	TRIM63	28
205612_PM_at	MMRN1	28
219686_PM_at	STK32B	28
202554_PM_s_at	GSTM3	28
237116_PM_at	LOC646903	28
205483_PM_s_at	ISG15	27
206295_PM_at	IL18	27
218986_PM_s_at	DDX60	27
201289_PM_at	CYR61	27
233520_PM_s_at	CMYA5	27
232568_PM_at	MGC24103	27
236523_PM_at	LOC285556	27
205457_PM_at	C6orf106	27
203627_PM_at	IGF1R	26
226702_PM_at	CMPK2	26
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65585_PM_at	FAM86B1 /// FAM	26
232692_PM_at	TDRD6	26
220393_PM_at	LGSN	25
204972_PM_at	OAS2	25
226804_PM_at	FAM20A	25
205589_PM_at	MYL3	25
219949_PM_at	LRRC2	25
219844_PM_at	C10orf118	25
203313_PM_s_at	TGIF1	24
215434_PM_x_at	NBPF1 /// NBPF10	24
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205931_PM_s_at	CREB5	24
229567_PM_at	FITM1	24
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204393_PM_s_at	ACPP	24

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201641_PM_at	BST2	23
205117_PM_at	FGF1	23
206628_PM_at	SLC5A1	23
222413_PM_s_at	MLL3	23
226866_PM_at	ESCO1	23
210095_PM_s_at	IGFBP3	23
222896_PM_at	TMEM38A	23
224506_PM_s_at	PPAPDC3	23
205736_PM_at	PGAM2	23
205177_PM_at	TNNI1	23
227183_PM_at	LOC728264	23
213651_PM_at	INPP5J	22
206171_PM_at	ADORA3	22
202704_PM_at	TOB1	22
220574_PM_at	SEMA6D	22
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205044_PM_at	GABRP	22
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228406_PM_at	SMYD1	22
205440_PM_s_at	NPY1R	22
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244289_PM_at	LOC134466	22
219836_PM_at	ZBED2	21
203828_PM_s_at	IL32	21
232861_PM_at	PDP2	21
1557418_PM_at	ACSL4	21
230381_PM_at	C1orf186	21
201954_PM_at	ARPC1B	21
219584_PM_at	PLA1A	21
221211_PM_s_at	C21orf7	21
230475_PM_at	C15orf59	21
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228057_PM_at	DDIT4L	21
209735_PM_at	ABCG2	20
209189_PM_at	FOS	20
205067_PM_at	IL1B	20
209465_PM_x_at	PTN	20
209173_PM_at	AGR2	20
203851_PM_at	IGFBP6	20
236029_PM_at	FAT3	20
223623_PM_at	C2orf40	19
214788_PM_x_at	DDN	19

210424_PM_s_at	GOLGA8A /// GOL	19
219087_PM_at	ASPN	19
202411_PM_at	IFI27	18
218839_PM_at	HEY1	18
202870_PM_s_at	CDC20	18
205508_PM_at	SCN1B	18
219148_PM_at	PBK	18
218677_PM_at	S100A14	18
235518_PM_at	SLC8A1	17
205495_PM_s_at	GNLY	17
219799_PM_s_at	DHRS9	17
205100_PM_at	GFPT2	17
230121_PM_at	C1orf133	17
202869_PM_at	OAS1	17
213797_PM_at	RSAD2	17
209821_PM_at	IL33	17
227272_PM_at	C15orf52	17
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219689_PM_at	SEMA3G	17
206067_PM_s_at	WT1	17
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203166_PM_at	CFDP1	16
203276_PM_at	LMNB1	16
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237639_PM_at	TMEM207	16
226701_PM_at	GJA5	16
233562_PM_at	LOC84856	16
203088_PM_at	FBLN5	16
207977_PM_s_at	DPT	16
204173_PM_at	MYL6B	16
206529_PM_x_at	SLC26A4	15
205485_PM_at	RYR1	15
202667_PM_s_at	SLC39A7	15
214023_PM_x_at	TUBB2B	15
215028_PM_at	SEMA6A	15
207891_PM_s_at	HAUS7 /// TREX2	14
227099_PM_s_at	AG2	14
228285_PM_at	TDRD9	14
219230_PM_at	TMEM100	14
207673_PM_at	NPHS1	14
208121_PM_s_at	PTPRO	14
1559960_PM_x_at	SYCE1L	13
202627_PM_s_at	SERPINE1	13
219612_PM_s_at	FGG	13
214038_PM_at	CCL8	13
205778_PM_at	KLK7	13

204769_PM_s_at	TAP2	13
228241_PM_at	AGR3	13
201578_PM_at	PODXL	13
219747_PM_at	C4orf31	13
209398_PM_at	HIST1H1C	12
206111_PM_at	RNASE2	12
217546_PM_at	MT1M	12
237484_PM_at	C12orf69	12
228581_PM_at	KCNJ10	12
224674_PM_at	TTYH3	12
205782_PM_at	FGF7	12
200795_PM_at	SPARCL1	12
241835_PM_at	LOC100132147	12
203290_PM_at	HLA-DQA1	11
230488_PM_s_at	NCRNA00118	11
201195_PM_s_at	SLC7A5	11
202859_PM_x_at	IL8	11
219090_PM_at	SLC24A3	11
220149_PM_at	C2orf54	11
212750_PM_at	PPP1R16B	11
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219508_PM_at	GCNT3	11
213139_PM_at	SNAI2	11
221801_PM_x_at	NEFL	11
228523_PM_at	NANOS1	11
219825_PM_at	CYP26B1	10
207052_PM_at	HAVCR1	10
232752_PM_at	LOC100287616	10
205478_PM_at	PPP1R1A	10
206717_PM_at	MYH8	10
218228_PM_s_at	TNKS2	10
218730_PM_s_at	OGN	10
229476_PM_s_at	THRSP	9
202589_PM_at	TYMS	9
214131_PM_at	CYorf15B	9
204415_PM_at	IFI6	9
218162_PM_at	OLFML3	9
209094_PM_at	DDAH1	8
226415_PM_at	VAT1L	8
215172_PM_at	PTPN20A /// PTPN	8
223484_PM_at	C15orf48	8
206697_PM_s_at	HP	8
208470_PM_s_at	HP /// HPR	8
205544_PM_s_at	CR2	8
204457_PM_s_at	GAS1	8
235458_PM_at	HAVCR2	8
201309_PM_x_at	C5orf13	8

235334_PM_at	ST6GALNAC3	8
230467_PM_at	TMEM52	8
213524_PM_s_at	G0S2	7
205656_PM_at	PCDH17	7
203252_PM_at	CDK2AP2	7
226125_PM_at	LOC100288152	7
229095_PM_s_at	LIMS3 /// LIMS3-LI	7
206172_PM_at	IL13RA2	7
211276_PM_at	TCEAL2	7
236430_PM_at	TMED6	7
214375_PM_at	LOC729222 /// PPI	7
206700_PM_s_at	KDM5D	7
238066_PM_at	RBP7	7
208394_PM_x_at	ESM1	6
219573_PM_at	LRRC16A	6
204468_PM_s_at	TIE1	6
205257_PM_s_at	AMPH	6
207057_PM_at	SLC16A7	6
205000_PM_at	DDX3Y	6
209493_PM_at	PDZD2	5
208083_PM_s_at	ITGB6	5
206552_PM_s_at	TAC1	5
205713_PM_s_at	COMP	5
211726_PM_s_at	FMO2	5
204412_PM_s_at	NEFH	5
202310_PM_s_at	COL1A1	5
228501_PM_at	GALNTL2	5
222196_PM_at	LOC286434	5
206681_PM_x_at	GP2	5
223836_PM_at	FGFBP2	5
219211_PM_at	USP18	5
210873_PM_x_at	APOBEC3A	5
205392_PM_s_at	CCL14 /// CCL14-C	5
201981_PM_at	PAPPA	5
228108_PM_at	PPM1L	5
211734_PM_s_at	FCER1A	5
219295_PM_s_at	PCOLCE2	5
201909_PM_at	RPS4Y1	5
232618_PM_at	CYorf15A	5
204409_PM_s_at	EIF1AY	5
220351_PM_at	CCRL1	4
228439_PM_at	BATF2	4
231077_PM_at	C1orf192	4
221529_PM_s_at	PLVAP	4
229963_PM_at	BEX5	4
1563431_PM_x_at	LOC100287237	4
200974_PM_at	ACTA2	4

206606_PM_at	LIPC	4
213695_PM_at	PON3	3
209116_PM_x_at	HBB	3
204018_PM_x_at	HBA1 /// HBA2	3
228648_PM_at	LRG1	3
235244_PM_at	CCDC58	3
234949_PM_at	FRG1B	3
208499_PM_s_at	DNAJC3	3
205828_PM_at	MMP3	3
206211_PM_at	SELE	3
206453_PM_s_at	NDRG2	3
219867_PM_at	CHODL	3
220116_PM_at	KCNN2	2
202887_PM_s_at	DDIT4	2
231146_PM_at	FAM24B	2
229820_PM_at	LOC440993	2
205229_PM_s_at	COCH	2
205476_PM_at	CCL20	2
224709_PM_s_at	CDC42SE2	2
204743_PM_at	TAGLN3	2
210133_PM_at	CCL11	2
206023_PM_at	NMU	2
204419_PM_x_at	HBG1 /// HBG2	2
206797_PM_at	NAT2	2
221059_PM_s_at	COTL1	2
218935_PM_at	EHD3	2
204965_PM_at	GC	2
218916_PM_at	ZNF768	2
218876_PM_at	TPPP3	2
210548_PM_at	CCL23	2
200831_PM_s_at	SCD	1
209763_PM_at	CHRD1	1
205568_PM_at	AQP9	1
213486_PM_at	COPG2IT1	1
203548_PM_s_at	LPL	1
205439_PM_at	GSTT2	1
221992_PM_at	LOC100288442 ///	1
208151_PM_x_at	DDX17	1
220187_PM_at	STEAP4	1
213592_PM_at	APLNR	1

GCN Large, inclusive

CC = 0.60

Probeset	Gene	Number of edges
201720_PM_s_at	LAPTM5	415
202957_PM_at	HCLS1	407
218802_PM_at	CCDC109B	404
204912_PM_at	IL10RA	394
202206_PM_at	ARL4C	388
223501_PM_at	TNFSF13B	387
205269_PM_at	LCP2	377
221666_PM_s_at	PYCARD	375
206332_PM_s_at	IFI16	374
203185_PM_at	RASSF2	370
204502_PM_at	SAMHD1	368
203416_PM_at	CD53	367
203508_PM_at	TNFRSF1B	367
204336_PM_s_at	RGS19	363
201666_PM_at	TIMP1	362
203760_PM_s_at	SLA	358
224927_PM_at	KIAA1949	358
238025_PM_at	MLKL	356
219574_PM_at	1-Mar	356
207571_PM_x_at	C1orf38	353
217762_PM_s_at	RAB31	353
226219_PM_at	ARHGAP30	352
204882_PM_at	ARHGAP25	351
225602_PM_at	GLIPR2	350
213160_PM_at	DOCK2	349
205355_PM_at	ACADSB	339
201601_PM_x_at	IFITM1	337
218322_PM_s_at	ACSL5	336
207419_PM_s_at	RAC2	335
217761_PM_at	ADI1	334
205786_PM_s_at	ITGAM	333
201761_PM_at	MTHFD2	333
205147_PM_x_at	NCF4	333
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209191_PM_at	TUBB6	331
224411_PM_at	PLA2G12B	330
208296_PM_x_at	TNFAIP8	330
206584_PM_at	LY96	330
201506_PM_at	TGFBI	330
231790_PM_at	DMGDH	329
228532_PM_at	C1orf162	329
203932_PM_at	HLA-DMB	328

227865_PM_at	C9orf103	327
226991_PM_at	NFATC2	327
203434_PM_s_at	MME	326
209083_PM_at	CORO1A	324
221840_PM_at	PTPRE	324
213293_PM_s_at	TRIM22	323
226430_PM_at	RELL1	323
201035_PM_s_at	HADH	322
219527_PM_at	MOSC2	321
206155_PM_at	ABCC2	321
204057_PM_at	IRF8	321
202910_PM_s_at	CD97	321
202590_PM_s_at	PDK2	320
209368_PM_at	EPHX2	320
205675_PM_at	MTTP	319
207544_PM_s_at	ADH6	319
229526_PM_at	AQP11	318
219655_PM_at	C7orf10	318
241401_PM_at	C4orf12	318
211742_PM_s_at	EVI2B	318
202748_PM_at	GBP2	318
205364_PM_at	ACOX2	317
202830_PM_s_at	SLC37A4	316
206840_PM_at	AFM	315
205750_PM_at	BPHL	315
203790_PM_s_at	HRSP12	315
231070_PM_at	IYD	315
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204774_PM_at	EVI2A	314
216696_PM_s_at	PRODH2	313
204977_PM_at	DDX10	313
217733_PM_s_at	TMSB10	313
205159_PM_at	CSF2RB	313
214389_PM_at	SLC5A12	312
205673_PM_s_at	ASB9	310
212701_PM_at	TLN2	309
222140_PM_s_at	9A /// GPR89B /// GP	309
204565_PM_at	ACOT13	309
231623_PM_at	TMEM174	309
218223_PM_s_at	PLEKHO1	309
208480_PM_s_at	3CC6 /// LOC1002927	308
229916_PM_at	ENPP6	308
204289_PM_at	ALDH6A1	308
228375_PM_at	IGSF11	307
229534_PM_at	ACOT4	307
219873_PM_at	COLEC11	307
208885_PM_at	LCP1	307



225415_PM_at	DTX3L	307
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223732_PM_at	SLC23A1	306
231632_PM_at	C19orf69	306
224733_PM_at	CMTM3	306
212067_PM_s_at	C1R	306
219789_PM_at	NPR3	305
1552755_PM_at	C9orf66	305
219773_PM_at	NOX4	305
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211339_PM_s_at	ITK	153
202842_PM_s_at	DNAJB9	152
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202889_PM_x_at	MAP7	149
208981_PM_at	PECAM1	149
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239860_PM_at	LOC100130232	148
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210347_PM_s_at	BCL11A	147
228071_PM_at	GIMAP7	147
220773_PM_s_at	GPHN	146
212875_PM_s_at	C2CD2	146
212671_PM_s_at	LA-DQA1 /// HLA-DQA1	146
201621_PM_at	NBL1	146
204197_PM_s_at	RUNX3	145
209180_PM_at	RABGGTB	144
206392_PM_s_at	RARRES1	144
227514_PM_at	ITPRIPL2	144

204416_PM_x_at	APOC1	144
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217979_PM_at	TSPAN13	143
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208858_PM_s_at	ESYT1	143
205758_PM_at	CD8A	143
217838_PM_s_at	EVL	141
203477_PM_at	COL15A1	141
231376_PM_at	UPP2	140
204472_PM_at	GEM	140
202637_PM_s_at	ICAM1	140
225282_PM_at	SMAP2	140
217875_PM_s_at	PMEPA1	139
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227646_PM_at	EBF1	138
202269_PM_x_at	GBP1	138
218394_PM_at	ROGDI	137
1294_PM_at	UBA7	137
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205502_PM_at	CYP17A1	136
223454_PM_at	CXCL16	136
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204205_PM_at	APOBEC3G	134
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1553364_PM_at	PNPLA1	132
219576_PM_at	MAP7D3	132
203535_PM_at	S100A9	132
221523_PM_s_at	RRAGD	131
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206978_PM_at	CCR2	130

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209846_PM_s_at	BTN3A2	128
226238_PM_at	MCEE	126
206682_PM_at	CLEC10A	126
212233_PM_at	MAP1B	126
222217_PM_s_at	SLC27A3	126
201288_PM_at	ARHGDIB	125
227188_PM_at	C21orf63	125
206804_PM_at	CD3G	125
228298_PM_at	FAM113B	125
204385_PM_at	KYNU	124
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237484_PM_at	C12orf69	122
201798_PM_s_at	MYOF	122
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204806_PM_x_at	HLA-F	120
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207211_PM_at	USP2	118
209803_PM_s_at	PHLDA2	118
229686_PM_at	P2RY8	118
1558971_PM_at	THEMIS	117
236782_PM_at	SAMD3	117
204960_PM_at	PTPRCAP	117
202920_PM_at	ANK2	116
205465_PM_x_at	HS3ST1	116
218898_PM_at	FAM57A	115
212791_PM_at	C1orf216	115
236295_PM_s_at	NLRC3	115
227877_PM_at	C5orf39	115

206254_PM_at	EGF	114
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223620_PM_at	GPR34	112
205422_PM_s_at	ITGBL1	112
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230011_PM_at	MEI1	112
225883_PM_at	ATG16L2	112
205569_PM_at	LAMP3	112
210942_PM_s_at	ST3GAL6	111
202877_PM_s_at	CD93	111
212647_PM_at	RRAS	111
204846_PM_at	CP	109
206366_PM_x_at	XCL1	109
217147_PM_s_at	TRAT1	109
218429_PM_s_at	C19orf66	109
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204470_PM_at	CXCL1	108
208436_PM_s_at	IRF7	108
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219974_PM_x_at	ECHDC1	106
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205193_PM_at	MAFF	106
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206541_PM_at	KLKB1	104
203729_PM_at	EMP3	104
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206211_PM_at	SELE	103
224061_PM_at	INMT	103
209086_PM_x_at	MCAM	103
208789_PM_at	PTRF	102
201818_PM_at	LPCAT1	102
207734_PM_at	LAX1	102
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206957_PM_at	AGXT	100
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227678_PM_at	XRCC6BP1	97
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206082_PM_at	HCP5	96
206337_PM_at	CCR7	96
203889_PM_at	SCG5	95
205101_PM_at	CIITA	95

221210_PM_s_at	NPL	93
204223_PM_at	PRELP	93
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210542_PM_s_at	SLCO3A1	92
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1558323_PM_at	TMEM72	91
219505_PM_at	CECR1	91
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210164_PM_at	GZMB	89
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220485_PM_s_at	SIRPG	89
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205267_PM_at	POU2AF1	88
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225153_PM_at	GFM1	85
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209806_PM_at	HIST1H2BK	84
205303_PM_at	KCNJ8	84
203186_PM_s_at	S100A4	84
237639_PM_at	TMEM207	83
207174_PM_at	GPC5	83
226272_PM_at	RCAN3	83
234103_PM_at	KCNT2	83
205984_PM_at	CRHBP	82
210356_PM_x_at	MS4A1	82
224404_PM_s_at	FCRL5	82
202376_PM_at	SERPINA3	81
202283_PM_at	SERPINF1	81
221087_PM_s_at	APOL3	81
243539_PM_at	KIAA1841	81
231372_PM_at	LOC153328	80



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206641_PM_at	TNFRSF17	80
214617_PM_at	PRF1	80
205738_PM_s_at	FABP3	78
205498_PM_at	GHR	78
208960_PM_s_at	KLF6	78
238063_PM_at	TMEM154	78
216598_PM_s_at	CCL2	78
219634_PM_at	CHST11	78
227870_PM_at	IGDCC4	78
209457_PM_at	DUSP5	77
204007_PM_at	FCGR3B	77
204429_PM_s_at	SLC2A5	76
204642_PM_at	S1PR1	76
213010_PM_at	PRKCDBP	76
201645_PM_at	TNC	75
219884_PM_at	LHX6	75
205117_PM_at	FGF1	74
204948_PM_s_at	FST	74
214567_PM_s_at	XCL1 /// XCL2	74
200859_PM_x_at	FLNA	74
213309_PM_at	PLCL2	73
219684_PM_at	RTP4	72
204124_PM_at	SLC34A2	72
227780_PM_s_at	ECSCR	72
221942_PM_s_at	GUCY1A3	72
229860_PM_x_at	C4orf48	71
216576_PM_x_at	KC /// LOC652493 ///	71
204103_PM_at	CCL4	70
201464_PM_x_at	JUN	69
218182_PM_s_at	CLDN1	69
206093_PM_x_at	TNXA /// TNXB	69
201954_PM_at	ARPC1B	69
205409_PM_at	FOSL2	69
203895_PM_at	PLCB4	68
202627_PM_s_at	SERPINE1	68
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201300_PM_s_at	PRNP	66
205047_PM_s_at	ASNS	66
212531_PM_at	LCN2	66
AFFX-HUMISGF3A/M979	STAT1	66
203887_PM_s_at	THBD	66
217436_PM_x_at	LA-A /// HLA-F /// HLA	66

232645_PM_at	LOC153684	66
210020_PM_x_at	CALML3	65
205336_PM_at	PVALB	65
205164_PM_at	GCAT	64
201510_PM_at	ELF3	64
210448_PM_s_at	P2RX5	64
235085_PM_at	SGK223	63
221286_PM_s_at	MGC29506	63
201020_PM_at	YWHAH	62
203868_PM_s_at	VCAM1	62
203234_PM_at	UPP1	62
210163_PM_at	CXCL11	61
201313_PM_at	ENO2	61
205692_PM_s_at	CD38	61
229801_PM_at	C10orf47	61
202783_PM_at	NNT	60
203636_PM_at	MID1	60
205114_PM_s_at	L3 /// CCL3L1 /// CCL3	60
209260_PM_at	SFN	60
217281_PM_x_at	// IGHG3 /// IGHM //	60
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212592_PM_at	IGJ	59
207714_PM_s_at	SERPINH1	59
204533_PM_at	CXCL10	59
216984_PM_x_at	V2-23 /// LOC100293	59
201853_PM_s_at	CDC25B	59
218100_PM_s_at	IFT57	58
224701_PM_at	PARP14	58
204285_PM_s_at	PMAIP1	58
206049_PM_at	SELP	58
210166_PM_at	TLR5	58
218499_PM_at	MST4	57
223316_PM_at	CCDC3	57
1563445_PM_x_at	LOC1518	56
205826_PM_at	MYOM2	55
211644_PM_x_at	'C /// IGKV3-20 /// LO	55
221240_PM_s_at	B3GNT4	54
207791_PM_s_at	RAB1A	54
219582_PM_at	OGFRL1	54
206637_PM_at	P2RY14	54
203021_PM_at	SLPI	54
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220266_PM_s_at	KLF4	53
211641_PM_x_at	'/ IGHG3 /// IGHM ///	53
223805_PM_at	OSBPL6	52
206133_PM_at	XAF1	52
203236_PM_s_at	LGALS9	52

215176_PM_x_at	/// IGKC /// LOC1002	52
216401_PM_x_at	LOC652493	52
213716_PM_s_at	SECTM1	52
205102_PM_at	TMPRSS2	51
205547_PM_s_at	TAGLN	51
203851_PM_at	IGFBP6	51
216557_PM_x_at	// IGHM /// IGHV4-31	51
1556183_PM_at	FLJ40330	51
217378_PM_x_at	0130100 /// LOC1002	50
211633_PM_x_at	12 /// IGHG1 /// IGHG	50
202752_PM_x_at	SLC7A8	49
227379_PM_at	MBOAT1	49
201187_PM_s_at	ITPR3	49
202965_PM_s_at	CAPN6	49
216412_PM_x_at	LOC100290557	49
224917_PM_at	MIR21	48
209277_PM_at	TFPI2	48
205128_PM_x_at	PTGS1	48
210029_PM_at	IDO1	48
201700_PM_at	CCND3	48
205592_PM_at	SLC4A1	47
218995_PM_s_at	EDN1	47
207796_PM_x_at	KLRD1	47
235421_PM_at	MAP3K8	47
215946_PM_x_at	.1 /// IGLL3 /// LOC91	47
211650_PM_x_at	iHV1-69 /// IGHV3-23	47
211634_PM_x_at	i4 /// IGHM /// IGHV3	47
226612_PM_at	UBE2QL1	46
207047_PM_s_at	CLCNKA /// CLCNKB	46
222162_PM_s_at	ADAMTS1	46
218157_PM_x_at	CDC42SE1	46
208729_PM_x_at	HLA-B	46
203140_PM_at	BCL6	46
205382_PM_s_at	CFD	46
219716_PM_at	APOL6	46
214973_PM_x_at	OC100290059 /// LOC	46
215214_PM_at	IGLL5 /// IGLV3-16 ///	46
203413_PM_at	NELL2	46
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202018_PM_s_at	LTF	45
204802_PM_at	RRAD	45
228461_PM_at	SH3RF3	45
203256_PM_at	CDH3	45
201428_PM_at	CLDN4	45
216542_PM_x_at	iHG1 /// IGHM /// LO	45
209897_PM_s_at	SLIT2	44

209651_PM_at	TGFB1I1	44
205890_PM_s_at	GABBR1 /// UBD	44
209813_PM_x_at	TARP	43
217480_PM_x_at	LOC100287723	43
203915_PM_at	CXCL9	43
203936_PM_s_at	MMP9	42
206404_PM_at	FGF9	41
204972_PM_at	OAS2	41
202388_PM_at	RGS2	41
201416_PM_at	SOX4	41
218618_PM_s_at	FNDC3B	41
214916_PM_x_at	IGHG3 /// IGHM /// IC	41
219159_PM_s_at	SLAMF7	41
213502_PM_x_at	LOC91316	41
220510_PM_at	RHBG	40
1558404_PM_at	LOC644242	39
201473_PM_at	JUNB	39
205990_PM_s_at	WNT5A	39
209773_PM_s_at	RRM2	39
200628_PM_s_at	WARS	39
211637_PM_x_at	GHG4 /// IGHM /// IG	39
201650_PM_at	KRT19	39
202935_PM_s_at	SOX9	39
215121_PM_x_at	CYAT1 /// IGLV1-44	39
238287_PM_at	SLC7A13	38
208354_PM_s_at	SLC12A3	38
229302_PM_at	TMEM178	38
205625_PM_s_at	CALB1	38
220332_PM_at	CLDN16	38
209369_PM_at	ANXA3	38
203485_PM_at	RTN1	38
224342_PM_x_at	LOC96610	38
242601_PM_at	HEPACAM2	37
202800_PM_at	SLC1A3	37
208659_PM_at	CLIC1	37
227807_PM_at	PARP9	37
227099_PM_s_at	AG2	37
226029_PM_at	VANGL2	37
223593_PM_at	AADAT	36
233562_PM_at	LOC84856	36
214725_PM_at	C8orf84	36
206595_PM_at	CST6	36
204501_PM_at	NOV	36
228055_PM_at	NAPSB	36
203146_PM_s_at	GABBR1	36
205777_PM_at	DUSP9	35
211430_PM_s_at	/ IGHM /// IGHV4-31	35

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205495_PM_s_at	GPLY	34
231887_PM_s_at	KIAA1274	33
206478_PM_at	KIAA0125	33
201427_PM_s_at	SEPP1	32
233047_PM_at	FRMD7	32
1553989_PM_a_at	ATP6V1C2	32
201337_PM_s_at	VAMP3	32
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210045_PM_at	IDH2	31
228581_PM_at	KCNJ10	31
201693_PM_s_at	EGR1	31
208791_PM_at	CLU	31
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204304_PM_s_at	PROM1	30
204817_PM_at	ESPL1	29
206172_PM_at	IL13RA2	29
207052_PM_at	HAVCR1	29
231849_PM_at	KRT80	29
202411_PM_at	IFI27	29
203108_PM_at	GPRC5A	29
205898_PM_at	CX3CR1	29
220036_PM_s_at	LMBR1L	29
216699_PM_s_at	KLK1	28
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201596_PM_x_at	KRT18	28
223631_PM_s_at	C19orf33	28
205242_PM_at	CXCL13	28
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223869_PM_at	SOST	27
230030_PM_at	HS6ST2	27
206716_PM_at	UMOD	27
200951_PM_s_at	CCND2	27

226702_PM_at	CMPK2	27
206632_PM_s_at	APOBEC3B	27
204683_PM_at	ICAM2	27
227570_PM_at	TMEM86A	26
231275_PM_at	FLJ42875	26
221725_PM_at	WASF2	26
208169_PM_s_at	PTGER3	25
209189_PM_at	FOS	25
205483_PM_s_at	ISG15	25
230720_PM_at	RNF182	25
225667_PM_s_at	FAM84A	25
208121_PM_s_at	PTPRO	24
229254_PM_at	MFSD4	24
205987_PM_at	CD1C	24
211075_PM_s_at	CD47	24
203882_PM_at	IRF9	24
206089_PM_at	NELL1	23
230611_PM_at	SYPL2	23
1557474_PM_at	LOC284578	23
212558_PM_at	SPRY1	23
204006_PM_s_at	FCGR3A /// FCGR3B	23
209619_PM_at	CD74	23
203397_PM_s_at	GALNT3	23
225687_PM_at	FAM83D	22
205582_PM_s_at	GGT5	22
207847_PM_s_at	MUC1	22
229313_PM_at	ANO5	21
223467_PM_at	RASD1	21
203779_PM_s_at	MPZL2	21
204857_PM_at	MAD1L1	21
203953_PM_s_at	CLDN3	21
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236972_PM_at	TRIM63	20
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210321_PM_at	GZMH	20
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206290_PM_s_at	RGS7	19
205542_PM_at	STEAP1	19
218872_PM_at	TESC	19
210408_PM_s_at	CPNE6	18
208850_PM_s_at	THY1	18
220116_PM_at	KCNN2	18
205589_PM_at	MYL3	18

202780_PM_at	OXCT1	18
205694_PM_at	TYRP1	18
206693_PM_at	IL7	18
230865_PM_at	LIX1	18
225929_PM_s_at	RNF213	18
203592_PM_s_at	FSTL3	18
1568780_PM_at	LOC649305	18
222922_PM_at	KCNE3	17
214686_PM_at	ZNF266	17
202917_PM_s_at	S100A8	17
214723_PM_x_at	ANKRD36	17
204213_PM_at	PIGR	17
221529_PM_s_at	PLVAP	17
201641_PM_at	BST2	17
206717_PM_at	MYH8	16
204979_PM_s_at	SH3BGR	16
227238_PM_at	MUC15	16
210428_PM_s_at	HGS	16
212708_PM_at	MSL1	16
243708_PM_at	TMEM132E	15
206932_PM_at	CH25H	15
206765_PM_at	KCNJ2	15
202086_PM_at	MX1	15
208891_PM_at	DUSP6	15
1552386_PM_at	GAPT	15
219087_PM_at	ASPN	15
212697_PM_at	FAM134C	15
208478_PM_s_at	BAX	15
207673_PM_at	NPHS1	14
219747_PM_at	C4orf31	14
204439_PM_at	IFI44L	14
213236_PM_at	SASH1	14
224673_PM_at	LENG8	14
220365_PM_at	ALLC	13
212338_PM_at	MYO1D	13
204881_PM_s_at	UGCG	13
222925_PM_at	DCDC2	13
1559960_PM_x_at	SYCE1L	13
221004_PM_s_at	ITM2C	13
218396_PM_at	VPS13C	13
218228_PM_s_at	TNKS2	13
208736_PM_at	ARPC3	13
214788_PM_x_at	DDN	12
206067_PM_s_at	WT1	12
205736_PM_at	PGAM2	12
233520_PM_s_at	CMYA5	12
209904_PM_at	TNNC1	12

205177_PM_at	TNNI1	12
206353_PM_at	COX6A2	12
207148_PM_x_at	MYOZ2	12
206636_PM_at	RASA2	12
212311_PM_at	SEL1L3	12
201147_PM_s_at	TIMP3	12
232752_PM_at	LOC100287616	12
203276_PM_at	LMNB1	12
224003_PM_at	TTY14	11
209735_PM_at	ABCG2	11
230475_PM_at	C15orf59	11
227911_PM_at	ARHGAP28	11
206375_PM_s_at	HSPB3	11
209752_PM_at	REG1A	11
226769_PM_at	FIBIN	11
206599_PM_at	SLC16A5	11
201058_PM_s_at	MYL9	11
226613_PM_at	GATSL3 /// TBC1D10A	10
219949_PM_at	LRRC2	10
213060_PM_s_at	CHI3L2	10
205392_PM_s_at	. /// CCL14-CCL15 ///	10
210674_PM_s_at	HA3 /// PCDHA4 /// P	10
1557418_PM_at	ACSL4	10
239008_PM_at	NCRNA00182	10
203166_PM_at	CFDP1	10
239983_PM_at	SLC30A8	9
228194_PM_s_at	SORCS1	9
210517_PM_s_at	AKAP12	9
206496_PM_at	FMO3	9
210145_PM_at	PLA2G4A	9
204268_PM_at	S100A2	9
230093_PM_at	RSPH1	9
227006_PM_at	PPP1R14A	9
227949_PM_at	PHACTR3	9
205044_PM_at	GABRP	9
230488_PM_s_at	NCRNA00118	8
243432_PM_at	LOC642891	8
223877_PM_at	C1QTNF7	8
213612_PM_x_at	// NBPF10 /// NBPF11	8
227383_PM_at	LOC727820	8
204415_PM_at	IFI6	8
219584_PM_at	PLA1A	8
209173_PM_at	AGR2	8
209769_PM_s_at	GP1BB	7
220351_PM_at	CCRL1	7
209529_PM_at	PPAP2C	7
226822_PM_at	STOX2	7



231077_PM_at	C1orf192	7
201040_PM_at	GNAI2	7
215434_PM_x_at	NBPF1 /// NBPF10	7
208003_PM_s_at	NFAT5	7
203951_PM_at	CNN1	7
220624_PM_s_at	ELF5	6
1556554_PM_at	TRIM50	6
231268_PM_at	LOC645895 /// MYBL1	6
216473_PM_x_at	// LOC653544 /// LOC	6
223484_PM_at	C15orf48	6
205931_PM_s_at	CREB5	6
201531_PM_at	ZFP36	6
209948_PM_at	KCNMB1	6
238449_PM_at	LOC595101	6
228241_PM_at	AGR3	6
207249_PM_s_at	SLC28A2	5
236529_PM_at	SRCRB4D	5
238105_PM_x_at	WNT7B	5
206919_PM_at	ELK4	5
206785_PM_s_at	KLRC1 /// KLRC2	5
212076_PM_at	MLL	5
215123_PM_at	332 /// LOC10028858	5
208514_PM_at	KCNE1	4
231146_PM_at	FAM24B	4
221221_PM_s_at	KLHL3	4
228233_PM_at	FREM1	4
231384_PM_at	GRIN2A	4
218324_PM_s_at	SPATS2	4
228017_PM_s_at	NKAIN4	4
220591_PM_s_at	EFHC2	4
209750_PM_at	NR1D2	4
207685_PM_at	CRYBB3	3
206149_PM_at	CHP2	3
205350_PM_at	CRABP1	3
228108_PM_at	PPM1L	3
206529_PM_x_at	SLC26A4	3
219295_PM_s_at	PCOLCE2	3
212999_PM_x_at	/// HLA-DQB2 /// LOC	3
228501_PM_at	GALNTL2	3
206061_PM_s_at	DICER1	3
206552_PM_s_at	TAC1	3
204560_PM_at	FKBP5	3
235775_PM_at	TMTC2	3
219478_PM_at	WFDC1	3
208499_PM_s_at	DNAJC3	3
1563431_PM_x_at	LOC100287237	3
239929_PM_at	PM20D1	2

236044_PM_at	PPAPDC1A	2
206504_PM_at	CYP24A1	2
210577_PM_at	CASR	2
202912_PM_at	ADM	2
244565_PM_at	HMX2	2
228635_PM_at	PCDH10	2
1558881_PM_at	LOC145820	2
204368_PM_at	SLCO2A1	2
215193_PM_x_at	RB4 /// HLA-DRB5 ///	2
230563_PM_at	RASGEF1A	2
229930_PM_at	LOC100134361	2
219612_PM_s_at	FGG	2
223038_PM_s_at	AM60A /// LOC72811	2
222196_PM_at	LOC286434	2
213421_PM_x_at	PRSS3	1
213524_PM_s_at	GOS2	1
206239_PM_s_at	SPINK1	1
211962_PM_s_at	ZFP36L1	1
208997_PM_s_at	UCP2	1
208607_PM_s_at	SAA1 /// SAA2	1
210133_PM_at	CCL11	1
223657_PM_at	FAM167B	1
203290_PM_at	HLA-DQA1	1
221577_PM_x_at	DF15 /// LOC1002924	1
230381_PM_at	C1orf186	1
203828_PM_s_at	IL32	1
206268_PM_at	LEFTY1	1
205883_PM_at	ZBTB16	1
204988_PM_at	FGB	1
214265_PM_at	ITGA8	1

CN1 - B cell/immunoglobulin Gen CC = 0.90

Probeset	Gene	Number of edges	IFTA	IFTA_i	IFTA_AR	AR	TX	
211641_PM_x_at	IGH@ /// IGHA1 /// IGHA2 /// IGHD /// IGHG1 /	11	Geometric means	105.9942	143.5605	276.7236	197.1401	30.94948
216401_PM_x_at	LOC652493	10	Stds of geomeans	112.6823	159.6326	274.2635	336.8681	46.32292
216984_PM_x_at	IGLV2-23 /// LOC100293440	9	IFTA	0	0.496009	0.003165	0.067379	0.00013
217480_PM_x_at	LOC100287723	9	IFTA_i	0.496009	0	0.074054	0.438889	0.052962
215946_PM_x_at	IGLL1 /// IGLL3 /// LOC91316	9	IFTA_AR	0.003165	0.074054	0	0.249522	4.54E-05
214916_PM_x_at	IGH@ /// IGHA1 /// IGHA2 /// IGHG1 /// IGHG3	9	AR	0.067379	0.438889	0.249522	0	0.000677
216576_PM_x_at	IGK@ /// IGKC /// LOC652493 /// LOC652694	8	TX	0.00013	0.052962	4.54E-05	0.000677	0
217378_PM_x_at	LOC100130100 /// LOC100291464	8	IFTA without inflammation samples					
221286_PM_s_at	MGC29506	8	Banff 1	Banff 2	Banff 3			
215176_PM_x_at	IGK@ /// IGKC /// LOC100291464	8	Geometric means	108.4002	77.51817	206.6657		
211650_PM_x_at	IGHA1 /// IGHD /// IGHG1 /// IGHG3 /// IGHM /	8	Stds of geomeans	18.83923	9.204427	66.20107		
211644_PM_x_at	IGK@ /// IGKC /// IGKV3-20 /// LOC100291682	7	Banff 1	0	0.291329	0.401043		
217281_PM_x_at	IGH@ /// IGHA1 /// IGHA2 /// IGHG1 /// IGHG2	7	Banff 2	0.291329	0	0.284822		
211637_PM_x_at	IGH@ /// IGHA1 /// IGHA2 /// IGHD /// IGHG1 /	7	Banff 3	0.401043	0.284822	0		
214973_PM_x_at	IGHD /// LOC100290059 /// LOC100292999	7	IFTA with AR samples					
206641_PM_at	TNFRSF17	6	Banff 1	Banff 2	Banff 3			
211634_PM_x_at	IGH@ /// IGHA1 /// IGHD /// IGHG1 /// IGHG3 /	6	Geometric means	235.9339	295.495	371.6461		
224404_PM_s_at	FCRL5	5	Stds of geomeans	53.07497	41.76315	34.5727		
216557_PM_x_at	IGHA1 /// IGHD /// IGHG1 /// IGHG3 /// IGHM /	5	Banff 1	0	0.627019	0.205086		
216542_PM_x_at	IGHA1 /// IGHG1 /// IGHM /// LOC100290293	5	Banff 2	0.627019	0	0.420619		
216412_PM_x_at	LOC100290557	4	Banff 3	0.205086	0.420619	0		
206478_PM_at	KIAA0125	4	All IFTA samples					
215121_PM_x_at	CYAT1 /// IGLV1-44	4	Banff 1	Banff 2	Banff 3			
215214_PM_at	IGLC1 /// IGLL5 /// IGLV3-16 /// IGLV3-25	3	Geometric means	146.5702	163.278	298.3214		
211430_PM_s_at	IGH@ /// IGHG1 /// IGHM /// IGHV4-31 /// LOC	3	Stds of geomeans	34.52263	32.43683	55.5084		
211633_PM_x_at	IGH@ /// IGHA1 /// IGHA2 /// IGHG1 /// IGHG3	3	Banff 1	0	0.725424	0.034801		
212592_PM_at	IGJ	2	Banff 2	0.725424	0	0.054399		
215949_PM_x_at	IGHM /// LOC652494	2	Banff 3	0.034801	0.054399	0		
205901_PM_at	PNOC	1						
213502_PM_x_at	LOC91316	1						
1556183_PM_at	FLJ40330	1						

GCN1 - B cell genes

CC = 0.903

IFTA IFTA\_i IFTA\_AR AR TX

Probeset	Gene	Number of edges						
216984_PM_x_at	IGLV2-23 /// LOC1002934	12	Geometric means	126.4965	165.2388	315.103	2.18E+02	34.43450500
216401_PM_x_at	LOC652493	11	Stds of geomeans	137.7338	182.1506	310.9085	3.56E+02	56.33832600
216576_PM_x_at	IGK@ /// IGKC /// LOC652	10	IFTA	0	0.540295	0.004125	0.089001	0.000123765
217378_PM_x_at	LOC100130100 /// LOC10	10	IFTA_i	0.540295	0	0.077026	0.491891	0.049642079
215176_PM_x_at	IGK@ /// IGKC /// LOC100	9	IFTA_AR	0.004125	0.077026	0	0.201472	4.13E-05
211644_PM_x_at	IGK@ /// IGKC /// IGKV3-	9	AR	0.089001	0.491891	0.201472	0	0.000423503
217480_PM_x_at	LOC100287723	9	TX	0.000124	0.049642	4.13E-05	0.000424	0
215946_PM_x_at	IGLL1 /// IGLL3 /// LOC91	9	IFTA without inflammation samples					
221286_PM_s_at	MGC29506	7		Banff 1	Banff 2	Banff 3		
211641_PM_x_at	IGH@ /// IGHA1 /// IGHA	7	Geometric means	130.0212	92.20178	244.2892		
217281_PM_x_at	IGH@ /// IGHA1 /// IGHA	7	Stds of geomeans	23.28685	11.40552	79.41401		
211637_PM_x_at	IGH@ /// IGHA1 /// IGHA	7	Banff 1	0	0.295933	0.414505		
211650_PM_x_at	IGHA1 /// IGHD /// IGHG1	7	Banff 2	0.295933	0	0.292167		
216557_PM_x_at	IGHA1 /// IGHD /// IGHG1	7	Banff 3	0.414505	0.292167	0		
211634_PM_x_at	IGH@ /// IGHA1 /// IGHD	7	IFTA with AR samples					
215214_PM_at	IGLC1 /// IGLL5 /// IGLV3-	6		Banff 1	Banff 2	Banff 3		
214916_PM_x_at	IGH@ /// IGHA1 /// IGHA	6	Geometric means	265.7646	331.6039	438.1468		
211430_PM_s_at	IGH@ /// IGHG1 /// IGHN	5	Stds of geomeans	60.00163	46.2188	41.21783		
206641_PM_at	TNFRSF17	5	Banff 1	0	0.631633	0.161379		
214973_PM_x_at	IGHD /// LOC100290059 /	5	Banff 2	0.631633	0	0.322036		
215121_PM_x_at	CYAT1 /// IGLV1-44	3	Banff 3	0.161379	0.322036	0		
212592_PM_at	IGJ	3	All IFTA samples					
213502_PM_x_at	LOC91316	2		Banff 1	Banff 2	Banff 3		
205267_PM_at	POU2AF1	2	Geometric means	169.7446	186.8695	351.9879		
216412_PM_x_at	LOC100290557	1	Stds of geomeans	39.50922	36.17827	66.13868		
224342_PM_x_at	LOC96610	1	Banff 1	0	0.750215	0.032555		
224404_PM_s_at	FCRL5	1	Banff 2	0.750215	0	0.047103		
211633_PM_x_at	IGH@ /// IGHA1 /// IGHA	1	Banff 3	0.032555	0.047103	0		
216542_PM_x_at	IGHA1 /// IGHG1 /// IGHN	1						



iCN2 - Immune/Inflammatory response

Probeset	Gene	Number of edges
216576_x_at	IGK@ /// IGKC	27
214677_x_at	IGLC1	14
215121_x_at	CYAT1 /// IGLC1 /// IGLV1-44	15
209138_x_at	IGLC1	15
215379_x_at	IGLV1-44	14
215176_x_at	LOC642838	21
211430_s_at	G1 /// IGHG2 /// IGHM /// IGHV4	14
221651_x_at	IGK@ /// IGKC /// LOC100294406	14
221671_x_at	IGK@ /// IGKC /// LOC100294406	14
224795_x_at	IGK@ /// IGKC /// LOC100294406	14
214669_x_at	IGKC	15
215946_x_at	IGLL3P	18
214836_x_at	IGK@ /// IGKC /// LOC100294406	19
216491_x_at	IGHM	19
211637_x_at	IGK@ /// IGHG1 /// IGHG3 /// IGHG4 /	18
211798_x_at	IGLJ3	30
211644_x_at	IGK@ /// IGKC	21
216510_x_at	IGHG1 /// IGHM /// IGHV3-23 ///	28
217157_x_at	IGK@ /// IGKC	22
211643_x_at	IGK@ /// IGKC	16
214768_x_at	IGKC	4
217378_x_at	LOC100130100	27
216207_x_at	IGKC /// LOC642838	26
217281_x_at	A2 /// IGHG1 /// IGHG2 /// IGHG3	25
217480_x_at	LOC100287723	19
211881_x_at	IGLJ3	30
211650_x_at	IGK@ /// IGHG1 /// IGHG3 /// IGHM ///	20
214973_x_at	IGHD	18
217148_x_at	CKAP2 /// IGLC1	15
213502_x_at	GUSBP11	7
217227_x_at	IGLV1-44	9
234764_x_at	CKAP2 /// IGLC1 /// IGLV1-44	5
217235_x_at	IGLL5	17
216984_x_at	CKAP2 /// IGLC1 /// IGLV1-44	11
214916_x_at	IGHG1 /// IGHG3 /// IGHM /// IGHV3-23 ///	11
216557_x_at	IGHG1 /// IGHG3 /// IGHM /// IGHV3-23 ///	18
211639_x_at	IGHD /// IGHG1 /// IGHG3 /// IGHM ///	12
234366_x_at	CKAP2 /// IGLC1	15
216560_x_at	IGLC1	4
206641_at	TNFRSF17	4
234884_x_at	CKAP2 /// IGLC1	4
216542_x_at	IGHA1 /// IGHG1 /// IGHM	17
217258_x_at	IGLV1-44	15
211634_x_at	IGHM	5
211641_x_at	IGHG1 /// IGHG3 /// IGHM /// IGHV3-23 ///	13

211908_x_at	IGK@	14
216853_x_at	IGLC1 /// IGLJ3	2
216365_x_at	IGLC1 /// IGLJ3	2
215949_x_at	IGHM /// LOC100653245	7
216412_x_at	CKAP2 /// IGLC1	7
211868_x_at	/ IGHG1 /// IGHG2 /// IGHG3 ///	5
215214_at	IGLC1	2
209374_s_at	IGHM	1
216430_x_at	IGLV1-44	5
223565_at	MZB1	2
211635_x_at	ID /// IGHG1 /// IGHG3 /// IGHG4	2
216541_x_at	IGHG1 /// IGHM	2

nmune/Inflammatory response			CC = 0.903	IFTA	IFTA_i	IFTA_AR	AR	TX	
Probeset	Gene	Number of edges	Geometric means	82.99476	119.4273	143.9954	164.4409	45.11409	
204912_PM_at	IL10RA	29	Stds of geo means	40.62669	63.6638	117.4587	121.6929	21.56179	
224451_PM_x_at	ARHGAP9	27	IFTA	0	0.112442	0.011224	1.92E-05	5.77E-07	
204882_PM_at	ARHGAP25	23	IFTA_i	0.112442	0	0.414494	0.097349	0.004957	
203416_PM_at	CD53	19	IFTA_AR	0.011224	0.414494	0	0.458278	0.000101	
205831_PM_at	CD2	18	AR	1.92E-05	0.097349	0.458278	0	2.22E-09	
203760_PM_s_at	SLA	16	TX	5.77E-07	0.004957	0.000101	2.22E-09	0	
226219_PM_at	ARHGAP30	16	IFTA without inflammation samples						
201720_PM_s_at	LAPTM5	15	Banff 1						
209083_PM_at	CORO1A	15	Banff 2						
			Banff 3						
203470_PM_s_at	PLEK	15	Geometric means	76.33953	86.09082	107.2144			
			Stds of geomeans	7.074741	6.531144	8.894891			
224927_PM_at	KIAA1949	14	Banff 1	0	0.459658	0.105392			
218802_PM_at	CCDC109B	13	Banff 2	0.459658	0	0.233453			
204890_PM_s_at	LCK	12	Banff 3	0.105392	0.233453	0			
203185_PM_at	RASSF2	12	IFTA with AR samples						
219191_PM_s_at	BIN2	11	Banff 1						
209723_PM_at	SERPINB9	11	Banff 2						
202957_PM_at	HCLS1	10	Banff 3						
205291_PM_at	IL2RB	10	Geometric means	119.8801	190.3242	145.2843			
			Stds of geomeans	10.92746	38.34149	8.585744			
226991_PM_at	NFATC2	10	Banff 1	0	0.370172	0.267546			
213475_PM_s_at	ITGAL	10	Banff 2	0.370172	0	0.553992			
219528_PM_s_at	BCL11B	10	Banff 3	0.267546	0.553992	0			
211742_PM_s_at	EVI2B	9	All IFTA samples						
213539_PM_at	CD3D	8	Banff 1						
209795_PM_at	CD69	8	Banff 2						
226382_PM_at	AMK1D /// LOC28307	8	Banff 3						
213160_PM_at	DOCK2	8	Geometric means	95.02751	123.6056	128.3644			
			Stds of geomeans	9.072969	22.52168	10.54795			
207957_PM_s_at	PRKCB	8	Banff 1	0	0.246953	0.025564			
204774_PM_at	EVI2A	7	Banff 2	0.246953	0	0.849371			
218805_PM_at	GIMAP5	7	Banff 3	0.025564	0.849371	0			
223640_PM_at	HCST	7							
203508_PM_at	TNFRSF1B	7							
202156_PM_s_at	CELF2	7							
206707_PM_x_at	FAM65B	7							
209606_PM_at	CYTIP	6							
206804_PM_at	CD3G	6							
205269_PM_at	LCP2	6							
204221_PM_x_at	GLIPR1	6							
204057_PM_at	IRF8	6							
223501_PM_at	TNFSF13B	6							
226789_PM_at	EMB	6							
210538_PM_s_at	BIRC3	6							
1559584_PM_a_at	C16orf54	6							
203922_PM_s_at	CYBB	6							
209827_PM_s_at	IL16	6							
206011_PM_at	CASP1	6							
206296_PM_x_at	MAP4K1	6							
207419_PM_s_at	RAC2	5							
226818_PM_at	MPEG1	5							
204122_PM_at	TYROBP	5							
228362_PM_s_at	FAM26F	5							



203932_PM_at	HLA-DMB	5
204923_PM_at	SASH3	5
204951_PM_at	RHOH	5
221666_PM_s_at	PYCARD	5
202748_PM_at	GBP2	5
206332_PM_s_at	IFI16	5
219505_PM_at	CECR1	5
228094_PM_at	AMICA1	5
210031_PM_at	CD247	5
205488_PM_at	GZMA	5
204197_PM_s_at	RUNX3	5
206666_PM_at	GZMK	4
208018_PM_s_at	HCK	4
202988_PM_s_at	RGS1	4
206584_PM_at	LY96	4
213733_PM_at	MYO1F	4
224733_PM_at	CMTM3	4
204220_PM_at	GMFG	4
204971_PM_at	CSTA	4
210279_PM_at	GPR18	4
205474_PM_at	CRLF3	4
215151_PM_at	DOCK10	4
211990_PM_at	HLA-DPA1	4
205859_PM_at	LY86	3
205419_PM_at	GPR183	3
204336_PM_s_at	RGS19	3
214467_PM_at	GPR65	3
204661_PM_at	CD52	3
206118_PM_at	STAT4	3
232024_PM_at	GIMAP2	3
210629_PM_x_at	LST1	3
202531_PM_at	IRF1	3
202901_PM_x_at	CTSS	3
236295_PM_s_at	NLRC3	3
206761_PM_at	CD96	3
205758_PM_at	CD8A	3
204279_PM_at	PSMB9	3
204821_PM_at	BTN3A3	3
219777_PM_at	GIMAP6	3
228258_PM_at	TBC1D10C	3
228532_PM_at	C1orf162	2
204232_PM_at	FCER1G	2
202953_PM_at	C1QB	2
223303_PM_at	FERMT3	2
219812_PM_at	PVRIG	2
217838_PM_s_at	EVL	2
204118_PM_at	CD48	2
206513_PM_at	AIM2	2
205821_PM_at	KLRK1	2
226474_PM_at	NLRC5	2
1552701_PM_a_at	CARD16	2
205671_PM_s_at	HLA-DOB	2
206150_PM_at	CD27	2
204820_PM_s_at	BTN3A2 /// BTN3A3	2
202625_PM_at	LYN	2
238025_PM_at	MLKL	2
219033_PM_at	PARP8	2
204563_PM_at	SELL	2
1405_PM_i_at	CCL5	2
206366_PM_x_at	XCL1	2
204103_PM_at	CCL4	2

203964_PM_at	NMI	2
218611_PM_at	IER5	2
213293_PM_s_at	TRIM22	2
201137_PM_s_at	HLA-DPB1	2
1558971_PM_at	THEMIS	2
228677_PM_s_at	RASAL3	2
211656_PM_x_at	-DQB1 /// LOC100294	2
205639_PM_at	AOAH	1
208071_PM_s_at	LAIR1	1
218084_PM_x_at	FXYD5	1
213566_PM_at	RNASE6	1
214084_PM_x_at	727 /// NCF1 /// NCF1	1
205159_PM_at	CSF2RB	1
208885_PM_at	LCP1	1
219014_PM_at	PLAC8	1
211339_PM_s_at	ITK	1
204794_PM_at	DUSP2	1
205786_PM_s_at	ITGAM	1
204959_PM_at	MNDA	1
202643_PM_s_at	TNFAIP3	1
225353_PM_s_at	C1QC	1
207375_PM_s_at	IL15RA	1
31845_PM_at	ELF4	1
203320_PM_at	SH2B3	1
202910_PM_s_at	CD97	1
205101_PM_at	CIITA	1
221087_PM_s_at	APOL3	1
228869_PM_at	SNX20	1
1553043_PM_a_at	CD300LF	1
209949_PM_at	NCF2	1
220918_PM_at	C21orf96	1
205642_PM_at	CEP110	1
228752_PM_at	EFCAB4B	1
207777_PM_s_at	SP140	1
210347_PM_s_at	BCL11A	1
1552703_PM_s_at	CARD16 /// CASP1	1
219385_PM_at	SLAMF8	1
207823_PM_s_at	AIF1	1
229625_PM_at	GBP5	1
209846_PM_s_at	BTN3A2	1
204352_PM_at	TRAF5	1
227210_PM_at	SFMBT2	1
211209_PM_x_at	SH2D1A	1
214567_PM_s_at	XCL1 /// XCL2	1
205114_PM_s_at	L3 /// CCL3L1 /// CCL3	1
238063_PM_at	TMEM154	1
209881_PM_s_at	LAT /// SPNS1	1
1559263_PM_s_at	PPIL4 /// ZC3H12D	1
202307_PM_s_at	TAP1	1
202659_PM_at	PSMB10	1
218322_PM_s_at	ACSL5	1
226603_PM_at	SAMD9L	1
235306_PM_at	GIMAP8	1
212873_PM_at	HMHA1	1
217147_PM_s_at	TRAT1	1
204670_PM_x_at	HLA-DRB1 /// HLA-DRB	1
217478_PM_s_at	HLA-DMA	1
209480_PM_at	HLA-DQB1	1

GCN2 - Immune/Inflammatory response CC = 0.87

Probeset	Gene	Number of edges
203416_PM_at	CD53	28
204912_PM_at	IL10RA	21
226219_PM_at	ARHGAP30	19
201720_PM_s_at	LAPTM5	18
204774_PM_at	EVI2A	18
211742_PM_s_at	EVI2B	14
209083_PM_at	CORO1A	13
207419_PM_s_at	RAC2	13
204118_PM_at	CD48	13
205269_PM_at	LCP2	12
223501_PM_at	TNFSF13B	12
204882_PM_at	ARHGAP25	11
224451_PM_x_a	ARHGAP9	11
204661_PM_at	CD52	11
213160_PM_at	DOCK2	10
206332_PM_s_at	IFI16	10
204122_PM_at	TYROBP	10
219666_PM_at	MS4A6A	10
204336_PM_s_at	RGS19	9
219191_PM_s_at	BIN2	9
204923_PM_at	SASH3	9
204232_PM_at	FCER1G	9
204890_PM_s_at	LCK	9
202957_PM_at	HCLS1	8
203508_PM_at	TNFRSF1B	8
207238_PM_s_at	PTPRC	8
225602_PM_at	GLIPR2	8
223640_PM_at	HCST	7
206584_PM_at	LY96	7
203185_PM_at	RASSF2	7
209827_PM_s_at	IL16	7
232024_PM_at	GIMAP2	7
203922_PM_s_at	CYBB	7
208885_PM_at	LCP1	6
218802_PM_at	CCDC109B	6
226818_PM_at	MPEG1	6
226789_PM_at	EMB	6
217762_PM_s_at	RAB31	6
209191_PM_at	TUBB6	6
213566_PM_at	RNASE6	5
203470_PM_s_at	PLEK	5
206666_PM_at	GZMK	5
202953_PM_at	C1QB	5
209949_PM_at	NCF2	5
205831_PM_at	CD2	5
206150_PM_at	CD27	5
202901_PM_x_a	CTSS	5
209118_PM_s_at	TUBA1A	5
213475_PM_s_at	ITGAL	4
224927_PM_at	KIAA1949	4
209606_PM_at	CYTIP	4
205786_PM_s_at	ITGAM	4
202803_PM_s_at	ITGB2	4
213733_PM_at	MYO1F	4
213539_PM_at	CD3D	4
210279_PM_at	GPR18	4
207651_PM_at	GPR171	4
204960_PM_at	PTPRCAP	4
206011_PM_at	CASP1	4
1552703_PM_s_	CARD16 /// C	4
1405_PM_i_at	CCL5	4
213113_PM_s_at	SLC43A3	4
204619_PM_s_at	VCAN	4
223562_PM_at	PARVG	3
204971_PM_at	CSTA	3
204502_PM_at	SAMHD1	3
219574_PM_at	1-Mar	3
31845_PM_at	ELF4	3
206420_PM_at	IGSF6	3

	IFTA	IFTA_i	IFTA_AR	AR	TX
Geometric means	106.2527	164.9215	172.5222	198.1237	55.85153
Stds of geomeans	53.65198	96.83495	111.9574	136.1865	32.00365
IFTA	0	0.093109	0.005326	2.30E-05	5.69E-07
IFTA_i	0.093109	0	0.839601	0.36704	0.006077
IFTA_AR	0.005326	0.839601	0	0.361243	5.36E-06
AR	2.30E-05	0.36704	0.361243	0	3.96E-10
TX	5.69E-07	0.006077	5.36E-06	3.96E-10	0

IFTA without inflammation samples

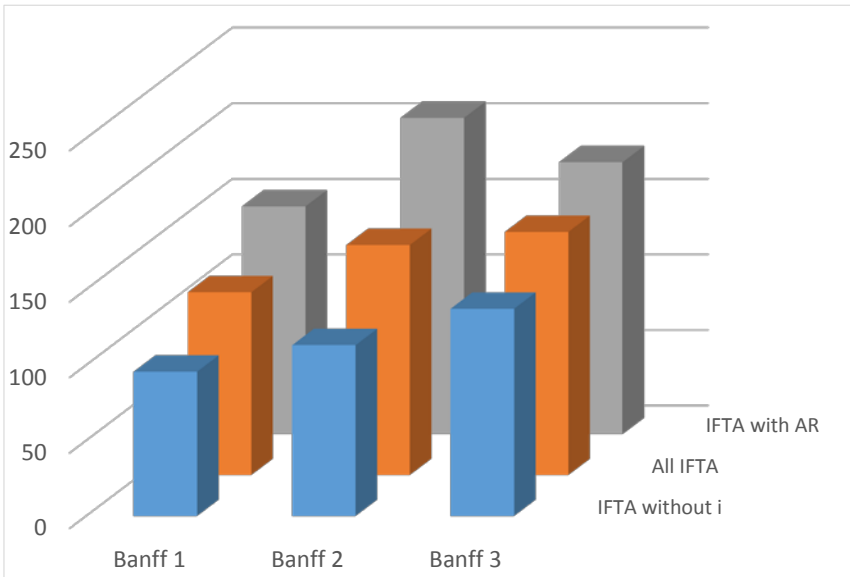
	Banff 1	Banff 2	Banff 3		Banff 1	Banff 2	Banff 3
Geometric means	95.5968	113.1527	137.26				
Stds of geomeans	9.22119	8.853218	10.53772	IFTA without i	95.5968	113.1527	137.26
Banff 1	0	0.317187	0.075625	All IFTA	121.029	152.2357	160.9271
Banff 2	0.317187	0	0.261224	IFTA with AR	150.6856	209.1791	179.8608
Banff 3	0.075625	0.261224	0				

IFTA with AR samples

	Banff 1	Banff 2	Banff 3
Geometric means	150.6856	209.1791	179.8608
Stds of geomeans	13.51412	33.68485	10.23213
Banff 1	0	0.406914	0.297361
Banff 2	0.406914	0	0.662038
Banff 3	0.297361	0.662038	0

All IFTA samples

	Banff 1	Banff 2	Banff 3
Geometric means	121.029	152.2357	160.9271
Stds of geomeans	11.88798	21.60116	12.24757
Banff 1	0	0.212412	0.027471
Banff 2	0.212412	0	0.728429
Banff 3	0.027471	0.728429	0



205681_PM_at	BCL2A1	3
211339_PM_s_at	ITK	3
219528_PM_s_at	BCL11B	3
214467_PM_at	GPR65	3
201858_PM_s_at	SRGN	3
205758_PM_at	CD8A	3
221565_PM_s_at	CALHM2	3
217733_PM_s_at	TMSB10	3
201315_PM_x_at	IFITM2	3
1559584_PM_a	C16orf54	2
203760_PM_s_at	SLA	2
203932_PM_at	HLA-DMB	2
228258_PM_at	TBC1D10C	2
219385_PM_at	SLAMF8	2
202910_PM_s_at	CD97	2
204221_PM_x_at	GLIPR1	2
223343_PM_at	MS4A7	2
205798_PM_at	IL7R	2
204951_PM_at	RHOH	2
205488_PM_at	GZMA	2
208816_PM_x_at	ANXA2P2	2
203104_PM_at	CSF1R	2
225353_PM_s_at	C1QC	2
203083_PM_at	THBS2	2
217966_PM_s_at	FAM129A	2
209795_PM_at	CD69	2
206337_PM_at	CCR7	2
204959_PM_at	MNDA	2
205821_PM_at	KLRK1	2
227628_PM_at	GPX8	2
201590_PM_x_at	ANXA2	2
210139_PM_s_at	PMP22	2
203065_PM_s_at	CAV1	2
212873_PM_at	HMHA1	1
203047_PM_at	STK10	1
228532_PM_at	C1orf162	1
226991_PM_at	NFATC2	1
207957_PM_s_at	PRKCB	1
204220_PM_at	GMFG	1
205291_PM_at	IL2RB	1
218611_PM_at	IER5	1
238025_PM_at	MLKL	1
201743_PM_at	CD14	1
224357_PM_s_at	MS4A4A	1
204174_PM_at	ALOX5AP	1
204438_PM_at	MRC1 /// MRG	1
223620_PM_at	GPR34	1
205419_PM_at	GPR183	1
210845_PM_s_at	PLAUR	1
229686_PM_at	P2RY8	1
204158_PM_s_at	TCIRG1	1
208438_PM_s_at	FGR	1
204436_PM_at	PLEKHO2	1
223303_PM_at	FERMT3	1
219014_PM_at	PLAC8	1
204787_PM_at	VSIG4	1
224733_PM_at	CMTM3	1
208018_PM_s_at	HCK	1
206118_PM_at	STAT4	1
236295_PM_s_at	NLRC3	1
219812_PM_at	PVRIG	1
217147_PM_s_at	TRAT1	1
1552701_PM_a	CARD16	1
213975_PM_s_at	LYZ	1
208690_PM_s_at	PDLIM1	1
226382_PM_at	CAMK1D /// L	1
220485_PM_s_at	SIRPG	1
221666_PM_s_at	PYCARD	1
201666_PM_at	TIMP1	1
201012_PM_at	ANXA1	1
201601_PM_x_at	IFITM1	1
225799_PM_at	LOC541471 //	1

GCN2 - Immune/Inflammatory response CC = 0.87

Probeset	Gene	Number of edges
226219_at	'ARHGAP30'	51
213603_s_at	'RAC2'	49
223322_at	'RASSF5'	42
209083_at	'CORO1A'	40
204923_at	'SASH3'	39
204891_s_at	'LCK'	38
226659_at	'DEF6'	34
210915_x_at	'TRBC1'	34
224451_x_at	'ARHGAP9'	33
213160_at	'DOCK2'	31
213733_at	'MYO1F'	31
228869_at	'SNX20'	30
38149_at	'ARHGAP25'	29
211796_s_at	'TRBC1'	29
213193_x_at	'TRBC1'	29
205270_s_at	'LCP2'	28
205831_at	'CD2'	28
209879_at	'SELPLG'	28
213539_at	'CD3D'	28
204890_s_at	'LCK'	26
205291_at	'IL2RB'	24
203416_at	'CD53'	23
208018_s_at	'HCK'	23
209670_at	'TRAC'	23
201288_at	'ARHGDIB'	22
216250_s_at	'LPXN'	22
210972_x_at	/// TRAJ17 /// TR	22
209827_s_at	'IL16'	21
201721_s_at	'LAPTM5'	20
223562_at	'PARVG'	20
203332_s_at	'INPP5D'	20
203471_s_at	'PLEK'	19
227346_at	'IKZF1'	17
209671_x_at	'TRAC'	17
204806_x_at	'HLA-F'	17
225701_at	'AKNA'	16
217436_x_at	'HLA-J'	16
202803_s_at	'ITGB2'	15
210644_s_at	'LAIR1'	15
34210_at	'CD52'	15
215051_x_at	'AIF1'	15
1555349_a_at	'ITGB2'	14
204882_at	'ARHGAP25'	14

204118_at	'CD48'	14
211902_x_at	'YME1L1'	14
206150_at	'CD27'	14
204122_at	'TYROBP'	14
221875_x_at	'HLA-F'	14
208729_x_at	'HLA-B'	14
211528_x_at	'HLA-G'	14
211529_x_at	'HLA-G'	14
204912_at	'IL10RA'	13
209685_s_at	'PRKCB'	13
212873_at	'HMHA1'	13
204279_at	'PSMB9'	13
204661_at	'CD52'	13
1554899_s_at	'FCER1G'	13
202307_s_at	'TAP1'	13
200905_x_at	'HLA-E'	13
210895_s_at	'CD86'	13
204192_at	'CD37'	12
221666_s_at	'PYCARD'	12
209901_x_at	'AIF1'	12
204232_at	'FCER1G'	12
217456_x_at	'HLA-E'	12
209140_x_at	'HLA-B'	12
214459_x_at	'HLA-C'	12
211339_s_at	'ITK'	11
203879_at	'PIK3CD'	11
204197_s_at	'RUNX3'	11
210982_s_at	'HLA-DRA'	11
211991_s_at	'HLA-DPA1'	11
227030_at	'IKZF3'	11
205213_at	'ACAP1'	11
211911_x_at	'HLA-B'	11
210279_at	'GPR18'	10
204198_s_at	'RUNX3'	10
219528_s_at	'BCL11B'	10
228258_at	'TBC1D10C'	10
214574_x_at	'LST1'	10
213095_x_at	'AIF1'	10
211799_x_at	'HLA-C'	10
219386_s_at	'SLAMF8'	9
203761_at	'SLA'	9
201720_s_at	'LAPTM5'	9
208885_at	'LCP1'	9
213888_s_at	'TRAF3IP3'	9
229686_at	'P2RY8'	9
232543_x_at	'ARHGAP9'	9
210629_x_at	'LST1'	9

209312_x_at	LA-DRB5 /// LOC:	9
215313_x_at	'HLA-A'	9
209970_x_at	'CASP1'	9
203932_at	'HLA-DMB'	8
227344_at	'IKZF1'	8
223303_at	'FERMT3'	8
227677_at	'JAK3'	8
217478_s_at	'HLA-DMA'	8
206181_at	'SLAMF1'	8
211582_x_at	'LST1'	8
209040_s_at	'PSMB8'	8
202659_at	'PSMB10'	8
208306_x_at	DC100507709 ///	8
215193_x_at	LA-DRB4 /// LOC:	8
204951_at	'RHOH'	8
208812_x_at	'HLA-C'	8
210514_x_at	'HLA-G'	8
205758_at	'CD8A'	7
214181_x_at	'LST1'	7
215633_x_at	'LST1'	7
202953_at	'C1QB'	7
220485_s_at	'SIRPG'	7
202531_at	'IRF1'	7
208894_at	'HLA-DRA'	7
217362_x_at	'HLA-DRB6'	7
205456_at	'CD3E'	7
202748_at	'GBP2'	7
213932_x_at	'HLA-A'	7
226818_at	'MPEG1'	6
204057_at	'IRF8'	6
229723_at	'TAGAP'	6
219385_at	'SLAMF8'	6
201422_at	'IFI30'	6
203104_at	'CSF1R'	6
218223_s_at	'PLEKHO1'	6
227811_at	'FGD3'	6
202329_at	'CSK'	6
211581_x_at	'LST1'	6
228532_at	'C1orf162'	6
229625_at	'GBP5'	6
200629_at	'WARS'	6
211366_x_at	'CASP1'	6
211530_x_at	'HLA-G'	6
211368_s_at	'CASP1'	6
1554240_a_at	'ITGAL'	5
204655_at	'CCL5'	5
206687_s_at	'PTPN6'	5

211005_at	'LAT'	5
228298_at	'PCED1B'	5
200814_at	'PSME1'	5
208012_x_at	'SP110'	5
202957_at	'HCLS1'	4
219191_s_at	'BIN2'	4
227645_at	'PIK3R5'	4
203760_s_at	'SLA'	4
207419_s_at	'RAC2'	4
224927_at	'PPP1R18'	4
1552584_at	'IL12RB1'	4
214511_x_at	'FCGR1B'	4
1555759_a_at	'CCL5'	4
201649_at	'UBE2L6'	4
201137_s_at	'HLA-DPB1'	4
1555613_a_at	'ZAP70'	4
204960_at	'PTPRCAP'	4
202269_x_at	'GBP1'	4
200904_at	'HLA-E'	4
231577_s_at	'GBP1'	4
232617_at	'CTSS'	4
223501_at	'TNFSF13B'	4
211367_s_at	'CASP1'	4
204220_at	'GMFG'	3
238439_at	'ANKRD22'	3
204319_s_at	'RGS10'	3
226841_at	'MPEG1'	3
209166_s_at	'MAN2B1'	3
206666_at	'GZMK'	3
214032_at	'ZAP70'	3
204116_at	'IL2RG'	3
206219_s_at	'VAV1'	3
202626_s_at	'LYN'	3
210785_s_at	'C1orf38'	3
218232_at	'C1QA'	3
216950_s_at	\ /// FCGR1B /// I	3
1405_i_at	'CCL5'	3
204852_s_at	'PTPN7'	3
204563_at	'SELL'	3
204821_at	'BTN3A3'	3
206082_at	'HCP5'	3
238725_at	'IRF1'	3
211656_x_at	QB1 /// LOC1002	3
207571_x_at	'C1orf38'	3
201954_at	'ARPC1B'	3
209949_at	'NCF2'	3
209770_at	'BTN3A1'	3



209969_s_at	'STAT1'	3
202270_at	'GBP1'	3
242907_at	'GBP2'	3
209762_x_at	'SP110'	3
1552703_s_at	CARD16 /// CASP:	3
206011_at	'CASP1'	3
203741_s_at	'ADCY7'	2
1555812_a_at	'ARHGDIB'	2
203508_at	'TNFRSF1B'	2
40420_at	'STK10'	2
207957_s_at	'PRKCB'	2
205639_at	'AOAH'	2
204336_s_at	'RGS19'	2
217838_s_at	'EVL'	2
202665_s_at	'WIPF1'	2
204265_s_at	'GPSM3'	2
203547_at	'CD4'	2
202625_at	'LYN'	2
210754_s_at	'LYN'	2
205488_at	'GZMA'	2
211336_x_at	'LILRB1'	2
203922_s_at	'CYBB'	2
225353_s_at	'C1QC'	2
38241_at	'BTN3A3'	2
202963_at	'RFX5'	2
201762_s_at	'PSME2'	2
227552_at	'1-Sep'	2
214339_s_at	'MAP4K1'	2
202902_s_at	'CTSS'	2
1555756_a_at	'CLEC7A'	2
223502_s_at	'TNFSF13B'	2
232024_at	'GIMAP2'	2
204205_at	'APOBEC3G'	1
209606_at	'CYTIP'	1
234987_at	'SAMHD1'	1
225282_at	'SMAP2'	1
219183_s_at	'CYTH4'	1
236295_s_at	1IR3929 /// NLRC	1
206761_at	'CD96'	1
205804_s_at	'TRAF3IP3'	1
228094_at	'AMICA1'	1
227353_at	'TMC8'	1
218913_s_at	'GMIP'	1
233510_s_at	'PARVG'	1
229295_at	'IL17RA'	1
239196_at	'ANKRD22'	1
1554834_a_at	'RASSF5'	1

212671_s_at	\2 /// LOC100507	1
202910_s_at	'CD97'	1
220731_s_at	'NECAP2'	1
225646_at	'CTSC'	1
240070_at	'TIGIT'	1
221081_s_at	'DENND2D'	1
238581_at	'GBP5'	1
227458_at	'CD274'	1
235175_at	'GBP4'	1
200628_s_at	'WARS'	1
225076_s_at	'ZNFX1'	1
204670_x_at	\4 /// LOC100507	1
209823_x_at	QB1 /// LOC1002	1
207104_x_at	'LILRB1'	1
204858_s_at	'TYMP'	1
203385_at	'DGKA'	1
205686_s_at	'CD86'	1
221978_at	'HLA-F'	1
226474_at	'NLRC5'	1
204820_s_at	TN3A2 /// BTN3A	1
225415_at	'DTX3L'	1
200887_s_at	'STAT1'	1
216526_x_at	'HLA-C'	1
1554406_a_at	'CLEC7A'	1
222592_s_at	'ACSL5'	1
214467_at	'GPR65'	1
204959_at	'MNDA'	1
219243_at	'GIMAP4'	1

GCN3 - Metabolism

CC = 0.91

Probeset	Gene	Number of edges	Geometric means	IFTA	IFTA_i	IFTA_AR	AR	TX	
206930_PM_at	GLYAT	51	677.2562	519.7935	415.2672	495.6224	911.8599		
206065_PM_s_at	DPYS	41	232.8723	412.4268	315.3429	262.5513	258.6733		
220951_PM_s_at	A1CF	40	0	0.27043	0.000389	0.000542	9.32E-07		
205175_PM_s_at	KHK	39	0.27043	0	0.477839	0.861575	0.014999		
202108_PM_at	PEPD	38	0.000389	0.477839	0	0.247084	1.82E-09		
229229_PM_at	AGXT2	37	0.000542	0.861575	0.247084	0	9.97E-16		
207184_PM_at	SLC6A13	35	9.32E-07	0.014999	1.82E-09	9.97E-16	0		
227695_PM_at	GLYATL1	32	IFTA without inflammation samples						
204044_PM_at	QPRT	31	Banff 1	Banff 2	Banff 3				
224179_PM_s_at	MIOX	30	Geometric means	766.9414	577.3346	583.6746			
205222_PM_at	EHHADH	30	Stds of geomeans	36.95227	35.36783	67.20855			
231623_PM_at	TMEM174	29	Banff 1	0	0.009573	0.169593			
229916_PM_at	ENPP6	29	Banff 2	0.009573	0	0.957013			
220135_PM_s_at	SLC7A9	29	Banff 3	0.169593	0.957013	0			
221605_PM_s_at	PIPOX	29	IFTA with AR samples						
219970_PM_at	GIPC2	28	Banff 1	Banff 2	Banff 3				
241914_PM_s_at	CSM2A /// ACSM:	28	Geometric means	433.8149	459.2535	337.4054			
206878_PM_at	DAO	27	Stds of geomeans	48.55479	81.9396	9.649173			
223732_PM_at	SLC23A1	26	Banff 1	0	0.886888	0.276783			
220753_PM_s_at	CRYL1	25	Banff 2	0.886888	0	0.453983			
205243_PM_at	SLC13A3	24	Banff 3	0.276783	0.453983	0			
231667_PM_at	SLC39A5	23	All IFTA samples						
205137_PM_x_at	USH1C	23	Banff 1	Banff 2	Banff 3				
229777_PM_at	CLRN3	22	Geometric means	615.6403	542.8052	446.8583			
206469_PM_x_at	AKR7A3	21	Stds of geomeans	51.66213	56.30521	60.10235			
206522_PM_at	MGAM	21	Banff 1	0	0.344188	0.044711			
205978_PM_at	KL	21	Banff 2	0.344188	0	0.255971			
206963_PM_s_at	NAT8 /// NAT8B	20	Banff 3	0.044711	0.255971	0			
210343_PM_s_at	SLC22A6	19							
206484_PM_s_at	XPNPEP2	18							
214389_PM_at	SLC5A12	18							
206457_PM_s_at	DIO1	17							
206775_PM_at	CUBN	17							
220148_PM_at	ALDH8A1	17							
220801_PM_s_at	HAO2	16							
210289_PM_at	NAT8	16							
219281_PM_at	MSRA	15							
219954_PM_s_at	GBA3	15							
206515_PM_at	CYP4F3	14							
205489_PM_at	CRYM	14							
219902_PM_at	BHMT2	14							
201348_PM_at	GPX3	14							
219525_PM_at	SLC47A1	14							
214033_PM_at	BCC6 /// ABCC6P	14							
207544_PM_s_at	ADH6	13							
218844_PM_at	ACSF2	13							

227506_PM_at	SLC16A9	13
204532_PM_x_at	JGT1A4 /// UGT1.	13
219739_PM_at	RNF186	12
231790_PM_at	DMGDH	12
214069_PM_at	/ ACSM2B /// LOC	12
209309_PM_at	AZGP1	11
205682_PM_x_at	APOM	11
201562_PM_s_at	SORD	11
205380_PM_at	PDZK1	11
202740_PM_at	ACY1	10
223820_PM_at	RBP5	10
211682_PM_x_at	UGT2B28	9
209605_PM_at	TST	8
209977_PM_at	PLG	8
1552755_PM_at	C9orf66	8
206024_PM_at	HPD	8
223782_PM_s_at	TINAG	8
207429_PM_at	SLC22A2	8
225272_PM_at	SAT2	7
221552_PM_at	ABHD6	7
209696_PM_at	FBP1	7
203924_PM_at	GSTA1	7
203722_PM_at	ALDH4A1	7
219792_PM_at	AGMAT	7
230481_PM_at	ACY3	7
204289_PM_at	ALDH6A1	7
207076_PM_s_at	ASS1	7
206119_PM_at	BHMT	7
220554_PM_at	SLC22A7	6
204347_PM_at	AK3L1	6
216696_PM_s_at	PRODH2	6
204704_PM_s_at	ALDOB	6
223784_PM_at	TMEM27	6
230022_PM_at	\ /// CLEC18B ///	5
206527_PM_at	ABAT	5
205666_PM_at	FMO1	5
203434_PM_s_at	MME	5
224411_PM_at	PLA2G12B	5
208596_PM_s_at	4 /// UGT1A5 ///	5
205221_PM_at	HGD	5
209980_PM_s_at	SHMT1	5
206964_PM_at	NAT8B	4
219298_PM_at	ECHDC3	4
220310_PM_at	TUBAL3	4
230602_PM_at	ACMSD	4
231632_PM_at	C19orf69	4
243669_PM_s_at	PRAP1	4
217973_PM_at	DCXR	4
205311_PM_at	DDC	4
219543_PM_at	PBLD	4
207298_PM_at	SLC17A3	4
210619_PM_s_at	HYAL1	4
202830_PM_s_at	SLC37A4	4
219655_PM_at	C7orf10	3
202847_PM_at	PCK2	3
218862_PM_at	ASB13	3
219113_PM_x_at	HSD17B14	3

205364_PM_at	ACOX2	3
202139_PM_at	AKR7A2	3
209978_PM_s_at	LPA /// PLG	3
234974_PM_at	GALM	3
206030_PM_at	ASPA	3
221298_PM_s_at	SLC22A8	3
203381_PM_s_at	APOE	3
201349_PM_at	SLC9A3R1	3
208480_PM_s_at	C6 /// LOC10029:	3
220376_PM_at	LRRC19	3
205768_PM_s_at	SLC27A2	3
212701_PM_at	TLN2	2
219873_PM_at	COLEC11	2
205892_PM_s_at	FABP1	2
217874_PM_at	SUCLG1	2
227560_PM_at	SFXN2	2
205675_PM_at	MTTP	2
239093_PM_at	DHDPSL	2
202772_PM_at	HMGCL	2
219962_PM_at	ACE2	2
1554668_PM_a_at	FAM151A	2
209667_PM_at	CES2	2
231496_PM_at	FCAMR	2
201425_PM_at	ALDH2	2
204041_PM_at	MAOB	2
219076_PM_s_at	PXMP2	2
209368_PM_at	EPHX2	2
202025_PM_x_at	ACAA1	1
236205_PM_at	ABCC6P1	1
219222_PM_at	RBKS	1
204608_PM_at	ASL	1
233604_PM_at	FLJ22763	1
231070_PM_at	IYD	1
221879_PM_at	CALML4	1
203560_PM_at	GGH	1
205074_PM_at	SLC22A5	1
205355_PM_at	ACADSB	1
223482_PM_at	TMEM120A	1
231021_PM_at	SLC6A19	1
220100_PM_at	SLC22A11	1
219773_PM_at	NOX4	1
204934_PM_s_at	HPN	1
210119_PM_at	KCNJ15	1
239860_PM_at	LOC100130232	1
229596_PM_at	AMDHD1	1
229526_PM_at	AQP11	1
207071_PM_s_at	ACO1	1
218546_PM_at	C1orf115	1
236225_PM_at	GGT6	1
227753_PM_at	TMEM139	1
223699_PM_at	CNDP1	1
204167_PM_at	BTD	1

GCN3 - Metabolism	CC = 0.923			IFTA	IFTA_i	IFTA_AR	AR	TX
Probeset	Gene	Number of edges	Geometric means	541.0168	422.5721	334.1991	393.7162	728.3744
205175_PM_s_at	KHK	52	Std of geo means	189.4673	333.98	256.23	207.9826	211.1669
202108_PM_at	PEPD	52	IFTA	0	0.304151	0.000545	0.000483	1.42E-06
207544_PM_s_at	ADH6	51	IFTA_i	0.304151	0	0.459291	0.79704	0.018027
227695_PM_at	GLYATL1	50	IFTA_AR	0.000545	0.459291	0	0.287712	3.19E-09
220951_PM_s_at	A1CF	49	AR	0.000483	0.79704	0.287712	0	6.53E-16
206878_PM_at	DAO	48	TX	1.42E-06	0.018027	3.19E-09	6.53E-16	0
209309_PM_at	AZGP1	45						
206484_PM_s_at	XPNPEP2	43						
221605_PM_s_at	PIPOX	39						
			IFTA without inflammation samples					
				Banff 1	Banff 2	Banff 3		
220135_PM_s_at	SLC7A9	38	Geometric means	614.2982	457.8575	470.607		
			Stds of geomeans	30.37391	28.04886	54.10916		
230602_PM_at	ACMSD	38	Banff 1	0	0.008326	0.179409		
229229_PM_at	AGXT2	37	Banff 2	0.008326	0	0.89278		
229777_PM_at	CLRN3	37	Banff 3	0.179409	0.89278	0		
206065_PM_s_at	DPYS	37						
210343_PM_s_at	SLC22A6	36						
206930_PM_at	GLYAT	36						
206964_PM_at	NAT8B	34						
			IFTA with AR samples					
				Banff 1	Banff 2	Banff 3		
205364_PM_at	ACOX2	33	Geometric means	350.0065	371.3268	267.4036		
			Stds of geomeans	39.18393	66.99905	6.955809		
223782_PM_s_at	TINAG	32	Banff 1	0	0.883762	0.24865		
227506_PM_at	SLC16A9	32	Banff 2	0.883762	0	0.435327		
224179_PM_s_at	MIOX	31	Banff 3	0.24865	0.435327	0		
231623_PM_at	TMEM174	30						
220801_PM_s_at	HAO2	30						
207076_PM_s_at	ASS1	30						
223732_PM_at	SLC23A1	29						
			All IFTA samples					
				Banff 1	Banff 2	Banff 3		
206775_PM_at	CUBN	29	Geometric means	495.0049	433.8036	357.7162		
			Stds of geomeans	41.68285	45.62495	48.95457		
243669_PM_s_at	PRAP1	28	Banff 1	0	0.325843	0.044346		
205768_PM_s_at	SLC27A2	28	Banff 2	0.325843	0	0.267331		
206457_PM_s_at	DIO1	27	Banff 3	0.044346	0.267331	0		
220502_PM_s_at	SLC13A1	27						
230830_PM_at	OSTBETA	25						
214389_PM_at	SLC5A12	25						
209977_PM_at	PLG	23						
205666_PM_at	FMO1	23						
219525_PM_at	SLC47A1	22						
218844_PM_at	ACSF2	21						
227055_PM_at	METTL7B	21						
205710_PM_at	LRP2	21						
204532_PM_x_at	1A4 /// UG	20						
206469_PM_x_at	AKR7A3	19						
220554_PM_at	SLC22A7	19						
209696_PM_at	FBP1	19						
205682_PM_x_at	APOM	19						
205489_PM_at	CRYM	19						
219962_PM_at	ACE2	19						
239707_PM_at	SLC5A10	18						
219954_PM_s_at	GBA3	18						
209978_PM_s_at	LPA /// PLG	17						
231632_PM_at	C19orf69	17						
206963_PM_s_at	T8 /// NAT	17						
216696_PM_s_at	PRODH2	16						
202847_PM_at	PCK2	16						

206527_PM_at	ABAT	16
205243_PM_at	SLC13A3	16
217319_PM_x_at	CYP4A22	16
219298_PM_at	ECHDC3	16
210289_PM_at	NAT8	16
218021_PM_at	S4 /// DHR:	15
207184_PM_at	SLC6A13	15
209605_PM_at	TST	15
206872_PM_at	SLC17A1	15
205363_PM_at	BBOX1	15
229916_PM_at	ENPP6	14
203560_PM_at	GGH	14
205222_PM_at	EHHADH	14
208383_PM_s_at	PCK1	14
231021_PM_at	SLC6A19	13
230481_PM_at	ACY3	13
207407_PM_x_at	CYP4A11	13
208480_PM_s_at	/// LOC100	13
211682_PM_x_at	UGT2B28	13
206119_PM_at	BHMT	13
214033_PM_at	C6 /// ABC	13
223784_PM_at	TMEM27	13
202025_PM_x_at	ACAA1	12
231667_PM_at	SLC39A5	12
205892_PM_s_at	FABP1	12
206024_PM_at	HPD	12
220753_PM_s_at	CRYL1	12
214069_PM_at	CSM2B /// I	12
219902_PM_at	BHMT2	12
204997_PM_at	GPD1	11
221298_PM_s_at	SLC22A8	11
207567_PM_at	SLC13A2	11
1552755_PM_at	C9orf66	11
223820_PM_at	RBP5	11
203924_PM_at	GSTA1	11
206515_PM_at	CYP4F3	11
205137_PM_x_at	USH1C	11
219773_PM_at	NOX4	11
204844_PM_at	ENPEP	11
219792_PM_at	AGMAT	10
228375_PM_at	IGSF11	10
205221_PM_at	HGD	10
203933_PM_at	RAB11FIP3	9
219113_PM_x_at	HSD17B14	9
220310_PM_at	TUBAL3	9
205750_PM_at	BPHL	9
219655_PM_at	C7orf10	8
207298_PM_at	SLC17A3	8
219277_PM_s_at	OGDHL	8
205380_PM_at	PDZK1	8
229502_PM_at	CHDH	7
204347_PM_at	AK3L1	7
204704_PM_s_at	ALDOB	7
204289_PM_at	ALDH6A1	7
233604_PM_at	FLJ22763	7
219255_PM_x_at	IL17RB	7
205978_PM_at	KL	7
219948_PM_x_at	UGT2A3	7
229241_PM_at	LDHD	6
1554668_PM_a_at	FAM151A	6
225203_PM_at	PPP1R16A	6
220100_PM_at	SLC22A11	6
220061_PM_at	ACSM5	6

229596_PM_at	AMDHD1	6
208596_PM_s_at	// UGT1A5	6
219630_PM_at	PDZK1IP1	6
203928_PM_x_at	MAPT	5
206155_PM_at	ABCC2	5
203790_PM_s_at	HRSP12	5
220074_PM_at	CDHR5	5
231376_PM_at	UPP2	5
217977_PM_at	SEPX1	5
210390_PM_s_at	-CCL15 ///	5
203335_PM_at	PHYH	5
204137_PM_at	GPR137B	5
205799_PM_s_at	SLC3A1	5
207560_PM_at	SLC28A1	4
207071_PM_s_at	ACO1	4
231070_PM_at	IYD	4
219970_PM_at	GIPC2	4
205311_PM_at	DDC	4
219543_PM_at	PBLD	4
224209_PM_s_at	GDA	4
207429_PM_at	SLC22A2	4
205234_PM_at	SLC16A4	4
226597_PM_at	REEP6	3
237799_PM_at	SLC22A12	3
220675_PM_s_at	PNPLA3	3
205012_PM_s_at	HAGH	3
220507_PM_s_at	UPB1	3
218275_PM_at	SLC25A10	3
203722_PM_at	ALDH4A1	3
204608_PM_at	ASL	3
219076_PM_s_at	PXMP2	3
206754_PM_s_at	B6 /// CYP2	3
206514_PM_s_at	4F2 /// CYP	3
203434_PM_s_at	MME	3
225573_PM_at	.D11 /// NP	3
204934_PM_s_at	HPN	3
219527_PM_at	MOSC2	3
204388_PM_s_at	MAOA	3
220148_PM_at	ALDH8A1	3
205911_PM_at	PTH1R	3
205306_PM_x_at	KMO	3
205675_PM_at	MTTP	3
205942_PM_s_at	ACSM3	3
205342_PM_s_at	SULT1C2	3
205719_PM_s_at	PAH	3
218025_PM_s_at	PECI	3
209667_PM_at	CES2	2
210452_PM_x_at	CYP4F2	2
203145_PM_at	SPAG5	2
209645_PM_s_at	ALDH1B1	2
230022_PM_at	/ CLEC18B ,	2
200903_PM_s_at	AHCY	2
223482_PM_at	TMEM120A	2
220740_PM_s_at	SLC12A6	2
241914_PM_s_at	/2A /// ACS	2
219054_PM_at	C5orf23	2
223268_PM_at	C11orf54	2
244723_PM_at	OC1001294i	2
231790_PM_at	DMGDH	2
207095_PM_at	SLC10A2	2
221879_PM_at	CALML4	2
207131_PM_x_at	GGT1	2
231068_PM_at	SLC47A2	2

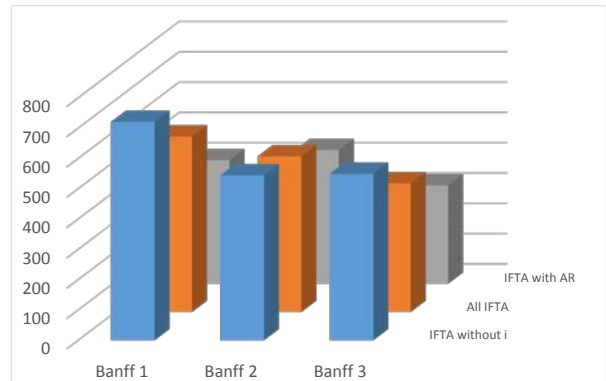
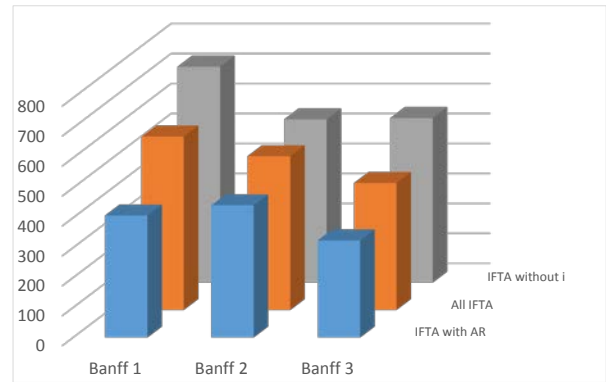


203126_PM_at	IMPA2	2
201348_PM_at	GPX3	2
239093_PM_at	DHDPSL	2
203963_PM_at	CA12	2
226649_PM_at	PANK1	2
201035_PM_s_at	HADH	2
205355_PM_at	ACADSB	2
234974_PM_at	GALM	1
238518_PM_x_at	GLYCK	1
209577_PM_at	PCYT2	1
208034_PM_s_at	PROZ	1
232271_PM_at	HNF4G	1
206952_PM_at	G6PC	1
205757_PM_at	ENTPD5	1
227560_PM_at	SFXN2	1
220604_PM_x_at	FTCD	1
219739_PM_at	RNF186	1
232378_PM_at	SLC5A9	1
239594_PM_at	LOC145837	1
206522_PM_at	MGAM	1
206535_PM_at	SLC2A2	1
228274_PM_at	SDSL	1
237450_PM_at	LOC389332	1
206094_PM_x_at	UGT1A6	1
229432_PM_at	NAGS	1
219789_PM_at	NPR3	1
221305_PM_s_at	1A8 /// UG	1
207542_PM_s_at	AQP1	1
210619_PM_s_at	HYAL1	1
203559_PM_s_at	ABP1	1
239860_PM_at	LOC1001302	1
224411_PM_at	PLA2G12B	1
236205_PM_at	ABCC6P1	1
211416_PM_x_at	GGTLC1	1
224918_PM_x_at	MGST1	1
205673_PM_s_at	ASB9	1
201695_PM_s_at	PNP	1
206226_PM_at	HRG	1

GCN3 - Metabolism CC = 0.91

Probeset	Gene	Number of edges	IFTA	IFTA_i	IFTA_AR	AR	TX	
206065_PM_s_at	DPYS	48	637.1649	491.4153	394.9956	473.4611	855.6262	
221605_PM_s_at	PIPOX	43						
202108_PM_at	PEPD	38	214.0441	378.5614	285.1926	239.0971	235.774	
231623_PM_at	TMEM174	36	IFTA	0	0.266688	0.000312	0.000649	6.67E-07
220951_PM_s_at	A1CF	36	IFTA_i	0.266688	0	0.474756	0.887699	0.014122
202847_PM_at	PKC2	35	IFTA_AR	0.000312	0.474756	0	0.212729	9.76E-10
227695_PM_at	GLYATL1	34	AR	0.000649	0.887699	0.212729	0	6.72E-16
220753_PM_s_at	CRYL1	32	TX	6.67E-07	0.014122	9.76E-10	6.72E-16	0
220135_PM_s_at	SLC7A9	31						
229229_PM_at	AGXT2	31	IFTA without inflammation samples					
219970_PM_at	GIPC2	30	Banff 1	Banff 2	Banff 3			
219792_PM_at	AGMAT	29	Geometric means	720.4592	544.6156	549.2422		
206024_PM_at	HPD	28	Stds of geomeans	33.80777	32.89827	59.36285		
219655_PM_at	C7orf10	27	Banff 1	0	0.009199	0.151452		
229916_PM_at	ENPP6	27	Banff 2	0.009199	0	0.964745		
205175_PM_s_at	KHK	26	Banff 3	0.151452	0.964745	0		
219281_PM_at	MSRA	26	IFTA with AR samples					
231790_PM_at	DMGDH	26	Banff 1	Banff 2	Banff 3			
206775_PM_at	CUBN	26	Geometric means	407.2553	441.3637	324.299		
219902_PM_at	BHMT2	26	Stds of geomeans	43.33275	75.02892	7.505331		
210343_PM_s_at	SLC22A6	25	Banff 1	0	0.834214	0.29253		
227506_PM_at	SLC16A9	25	Banff 2	0.834214	0	0.432678		
206484_PM_s_at	XPNPPE2	23	Banff 3	0.29253	0.432678	0		
209309_PM_at	AZGP1	23	All IFTA samples					
206930_PM_at	GLYAT	23	Banff 1	Banff 2	Banff 3			
206963_PM_s_at	VAT8 /// NAT8I	23	Geometric means	579.28	513.601	424.2737		
223732_PM_at	SLC23A1	22	Stds of geomeans	47.28804	51.57522	53.95699		
207076_PM_s_at	ASS1	22	Banff 1	0	0.351533	0.041675		
204044_PM_at	QPRT	21	Banff 2	0.351533	0	0.243345		
218844_PM_at	ACSF2	21	Banff 3	0.041675	0.243345	0		
207184_PM_at	SLC6A13	21						
241914_PM_s_at	SM2A /// ACSM	20						
204289_PM_at	ALDH6A1	19						
220148_PM_at	ALDH8A1	19						
227560_PM_at	SFXN2	18						
229777_PM_at	CLRN3	18						
209368_PM_at	EPHX2	17						
207843_PM_x_at	CY85A	17						
205682_PM_x_at	APOM	16						
205222_PM_at	EHHADH	16						
230602_PM_at	ACMSD	16						
214389_PM_at	SLCSA12	15						
219298_PM_at	ECHDC3	15						
1552755_PM_at	C9orf66	14						
206457_PM_s_at	DIO1	14						
201135_PM_at	ECHS1	14						
206527_PM_at	ABAT	14						
205221_PM_at	HGD	14						
219954_PM_s_at	GBA3	14						
207544_PM_s_at	ADH6	13						
204867_PM_at	GCHFR	13						
220554_PM_at	SLC22A7	12						
220801_PM_s_at	HAO2	12						
231667_PM_at	SLC39A5	11						
221298_PM_s_at	SLC22A8	11						
206522_PM_at	MGMAM	11						
219525_PM_at	SLC47A1	11						
209605_PM_at	TST	11						
211682_PM_x_at	UGT2B28	10						
204934_PM_s_at	HPN	10						
205768_PM_s_at	SLC27A2	10						
214033_PM_at	IC66 /// ABCG5	10						
219113_PM_x_at	HSD17B14	9						
203335_PM_at	PHYH	9						
224179_PM_s_at	MIOX	9						
206878_PM_at	DAO	9						
219739_PM_at	RNF186	9						
203434_PM_s_at	MME	9						
226767_PM_s_at	FAHD1	9						
220376_PM_at	LRRC19	9						
203790_PM_s_at	HRSF12	9						
229596_PM_at	AMDHD1	8						
231021_PM_at	SLC6A19	8						
204041_PM_at	MAOB	8						
223782_PM_s_at	TINAG	8						
219543_PM_at	PBLD	8						
205243_PM_at	SLC13A3	7						
225272_PM_at	SAT2	7						
202830_PM_s_at	SLC37A4	7						
206515_PM_at	CYP4F3	7						
201349_PM_at	SLC9A3R1	7						
202740_PM_at	ACY1	7						
205750_PM_at	BPHL	7						
219076_PM_s_at	PXMP2	7						
218511_PM_s_at	PNPO	7						
204238_PM_s_at	C6orf108	6						
205306_PM_x_at	KMO	6						
202772_PM_at	HMGCL	6						
229534_PM_at	ACOT4	6						
209667_PM_at	CES2	6						
205355_PM_at	ACADSB	6						
219222_PM_at	RBKS	6						
205512_PM_s_at	AIFM1	6						
201035_PM_s_at	HADH	6						
243669_PM_s_at	PRAP1	5						
205666_PM_at	FMO1	5						
205983_PM_at	DPEP1	5						
205311_PM_at	DDC	5						

	Banff 1	Banff 2	Banff 3
IFTA without i	720.4592	544.6156	549.2422
All IFTA	579.28	513.601	424.2737
IFTA with AR	407.2553	441.3637	324.299



213129_PM_s_at	1///LOC10032	5
212701_PM_at	TLN2	4
234974_PM_at	GALM	4
225203_PM_at	PPP1R16A	4
205012_PM_s_at	HAGH	4
207567_PM_at	SLC13A2	4
227055_PM_at	METTL7B	4
217874_PM_at	SUCLG1	4
209980_PM_s_at	SHMT1	4
219962_PM_at	ACE2	4
229241_PM_at	LDHD	4
217973_PM_at	DCXR	4
210619_PM_s_at	HYAL1	4
218025_PM_s_at	PECI	4
223266_PM_at	STRADB	3
206469_PM_x_at	AKR7A3	3
219773_PM_at	NOX4	3
231070_PM_at	IYD	3
203126_PM_at	IMPA2	3
205978_PM_at	KL	3
203560_PM_at	GGH	3
205342_PM_s_at	SULT1C2	3
208950_PM_s_at	ALDH7A1	3
204997_PM_at	GPD1	2
231391_PM_at	CTXN3	2
207560_PM_at	SLC28A1	2
204704_PM_s_at	ALDOB	2
231496_PM_at	FCAMR	2
1553728_PM_at	LRRCA3	2
216696_PM_s_at	PRODH2	2
219054_PM_at	C5orf23	2
205208_PM_at	ALDH1L1	2
204347_PM_at	AK3L1	2
209916_PM_at	DHTKD1	2
213587_PM_s_at	ATP6V0E2	2
239093_PM_at	DHDP5L	2
1555790_PM_a_at	EM192 /// ZNF	2
205052_PM_at	AUH	2
230481_PM_at	ACY3	2
204844_PM_at	ENPEP	2
219176_PM_at	C2orf47	2
203924_PM_at	GSTA1	1
203928_PM_x_at	MAPT	1
205364_PM_at	ACOX2	1
212694_PM_s_at	PCCB	1
218952_PM_at	PCSK1N	1
202178_PM_at	PRKCZ	1
230830_PM_at	OSTBETA	1
200961_PM_at	SEPHS2	1
203474_PM_at	IQGAP2	1
204294_PM_at	AMT	1
238518_PM_x_at	GLYCTK	1
236225_PM_at	GGT6	1
210119_PM_at	KCNJ15	1
205942_PM_s_at	ACSM3	1
208813_PM_at	GOT1	1
222140_PM_s_at	/// GPR89B ///	1
202217_PM_at	C21orf33	1
209248_PM_at	GHITM	1
204565_PM_at	ACOT13	1
209833_PM_at	CRADD	1
218976_PM_at	DNAJC12	1

GCN3 - Metabolism	CC = 0.875	
Probeset	Gene	Edges
202108_at	PEPD	67
222930_s_at	AGMAT	57
202847_at	PCK2	56
220507_s_at	UPB1	56
205364_at	ACOX2	54
213706_at	GPD1	52
206930_at	GLYAT	50
205175_s_at	KHK	48
219902_at	BHMT2	46
201563_at	SORD	46
220135_s_at	SLC7A9	46
205243_at	SLC13A3	42
240114_s_at	TMEM174	41
231683_at	GLYAT	39
202740_at	HD14A-ACY1 /// AC	39
221588_x_at	ALDH6A1	38
220801_s_at	HAO2	38
216599_x_at	SLC22A6	37
219298_at	ECHDC3	36
225272_at	SAT2	36
204704_s_at	ALDOB	35
209309_at	AZGP1	35
207076_s_at	ASS1	35
206024_at	HPD	33
231667_at	SLC39A5	32
206457_s_at	DIO1	32
216910_at	XPNPEP2	31
229916_at	ENPP6	31
1552755_at	C9orf66	30
210343_s_at	SLC22A6	30
238177_at	SLC6A19	29
204476_s_at	PC	29
224179_s_at	MIOX	29
227695_at	ATL1 /// LOC10028	29
230914_at	HNF4A	27
220100_at	SLC22A11	27
203924_at	GSTA1	27
206484_s_at	XPNPEP2	26
201562_s_at	SORD	26
229954_at	CHDH	26
227794_at	ATL1 /// LOC10028	26
218275_at	SLC25A10	25
221298_s_at	SLC22A8	25
231352_at	SLC22A8	25
206878_at	DAO	24

1552281_at	SLC39A5	23
237799_at	SLC22A12	22
207184_at	SLC6A13	22
206522_at	MGAM	22
209696_at	FBP1	21
214999_s_at	RAB11FIP3	19
219655_at	C7orf10	19
227522_at	CMBL	19
204997_at	GPD1	19
214910_s_at	APOM	18
224043_s_at	UPB1	17
206119_at	BHMT	17
206775_at	CUBN	16
1552757_s_at	C9orf66	15
1554668_a_at	FAM151A	15
220074_at	CDHR5	13
216696_s_at	PRODH2	13
205892_s_at	FABP1	13
205682_x_at	APOM	12
221305_s_at	JGT1A8 /// UGT1A1	11
203790_s_at	HRSP12	11
231790_at	DMGDH	11
231021_at	SLC6A19	10
210451_at	PKLR	9
205757_at	ENTPD5	8
217319_x_at	CYP4A22	8
205412_at	ACAT1	8
216733_s_at	GATM	8
205489_at	CRYM	8
218688_at	DAK	7
227055_at	METTL7B	7
243614_s_at	PRODH2	7
221590_s_at	ALDH6A1	7
231009_at	PLA2G12B	7
205983_at	DPEP1	6
229241_at	LDHD	5
218487_at	ALAD	5
223062_s_at	PSAT1	5
205896_at	SLC22A4	5
206155_at	ABCC2	5
209980_s_at	SHMT1	5
205769_at	SLC27A2	5
220310_at	TUBAL3	4
219873_at	COLEC11	4
219739_at	RNF186	4
205306_x_at	KMO	4
205719_s_at	PAH	4

208596_s_at	\4 /// UGT1A5 /// \	4
224918_x_at	MGST1	4
1555175_a_at	PBLD	4
228713_s_at	HSD17B14	3
203929_s_at	MAPT	3
211231_x_at	CYP4A11	3
207567_at	SLC13A2	3
207544_s_at	ADH6	3
211138_s_at	KMO	3
206325_at	SERPINA6	3
207407_x_at	CYP4A11	3
217583_at	PAH	3
242375_x_at	PAH	3
225379_at	MAPT	3
228375_at	IGSF11	3
202590_s_at	PDK2	2
231480_at	SLC6A19	2
206840_at	AFM	2
227560_at	SFXN2	2
236652_at	LOC149703	2
230949_at	SLC23A3	2
220892_s_at	PSAT1	2
207298_at	SLC17A3	2
205768_s_at	SLC27A2	2
206401_s_at	MAPT	2
203928_x_at	MAPT	2
203157_s_at	GLS	2
210544_s_at	ALDH3A2	2
220075_s_at	CDHR5	1
230830_at	OSTBETA	1
220740_s_at	SLC12A6	1
222102_at	GSTA3	1
214274_s_at	ACAA1	1
209668_x_at	CES2	1
231483_at	LOC100505985	1
227480_at	SUSD2	1
204437_s_at	FOLR1	1
226597_at	REEP6	1
202752_x_at	SLC7A8	1
211806_s_at	KCNJ15	1
232422_at	A2LD1	1
213664_at	SLC1A1	1
215471_s_at	MAP7	1
203159_at	GLS	1
202053_s_at	ALDH3A2	1