Supplemental Table 3. Significant genes from 2-Class analysis of A vs C (FDR < 5%)

GenBank#	GENE_SYMBOL	log2(A/C)
AA704934	ABI1	-0.275
N74920	ACACA	-0.342
AA788780	ACSL3	-0.353
H29215	ACSL3	-0.205
AA456112	ACTR3	-0.489
AI021905	ADD1	-0.275
H06380	ADNP	-0.257
AI289840	ADORA2A	-0.380
AI023998	AKR1A1	-0.302
AI217765	AKTIP	-0.347
AA045665	ALG13	-0.218
AI243516	ALOX5	-0.597
R44164	AMD1	-0.195
R82299	AMD1	-0.275
AI219775	ANKRD11	-0.287
T49236	ANKRD17	-0.202
N25798	ANKRD28	-0.309
AA670269	AP3B1	-0.230
AI185458	APC	-0.284
R93602	ARG1	-0.253
AA135616	ARID5B	-0.406
AA704752	ARIH1	-0.201
AA281729	ARL5B	-0.349
AA922226	ARL5B	-0.281
R31524	ARMC8	-0.294
H75690	ATAD2B	-0.506
H29771	ATF6	-0.317
AA700707	ATP11B	-0.245
AI276056	ATP13A3	-0.284
AI336948	BACH1	-0.350
AA707306	BAT2D1	-0.173
N65985	BDH2	-0.245
AA705040	BGLAP	-0.206
R20547	BHLHB9	-0.506
H96791	BIN3	-0.265
W38022	BSPRY	-0.318
AA934057	BTBD7	0.334
N51323	BTG1	-0.270
N36172	C10ORF18	-0.285
AA676713	C12ORF30	-0.240
AI733697	C12ORF30	-0.293
AA491265	C13ORF7	-0.301
AA906454	C14ORF108	-0.340
N26711	C14ORF24	-0.270
AA939293	C14ORF32	-0.166
H58992	C14ORF32	-0.273

H65514	C18ORF25	-0.255
R55017	C1ORF52	-0.192
R44985	C20ORF103	-0.964
AA922097	C2ORF34	-0.256
AA912620	C7ORF13	-0.244
AA883504	C7ORF54	-0.266
AA521288	CA5BL	-0.301
AA908213	CAPRIN1	-0.247
R36449	CAPRIN1	-0.223
AI302306	CCDC14	-0.230
AA628201	CCDC26	-0.256
AA902164	CCDC50	-0.417
AA905404	CCDC88C	-0.582
AI025933	CCDC88C	-0.225
AA040170	CCL7	-0.265
AA465166	CCNL1	-0.272
AA630016	CCT8	-0.254
AA463248	CD160	-0.311
AA886208	CD40	-0.554
H03494	CD44	-0.537
AA044276	CD59	-0.230
AA111969	CD83	-0.426
H92525	CDC2L6	-0.367
AA917005	CDC73	-0.311
H90893	CDC73	-0.291
AI248342	CDYL	-0.270
W46341	CHD9	-0.254
AI275092	CHIC1	-0.347
AA682637	CHST2	-0.400
N73571	CIR	-0.257
H68764	CLINT1	-0.305
AA634476	CNOT2	-0.240
R07066	CNRIP1	-0.293
AA625651	COPS2	-0.146
AA133194	CORO6	-0.289
AA994835	CRIM1	-0.352
AA447587	CROP	-0.285
AI002411	CROP	-0.224
AI221140	CUL1	-0.264
AA995108	CUL3	-0.422
AI242465	CYB5R4	-0.209
AI371096	DAPK1	0.584
AI305162	DCP1A	-0.268
AA504511	DCP2	-0.415
AA682425	DECR1	-0.246
AA931245	DHX15	-0.354
W86861	DHX38	-0.158
AA455279	DHX58	-0.353
AA699640	DNAJC3	-0.287

AA927453	DNAJC3	-0.317
AI820599	DNASE2B	-0.813
AA045278	DSE	-0.547
H44784	DST	-0.334
N67598	DST	-0.454
W65461	DUSP5	-0.250
H61841	DYRK1A	-0.246
AI167261	DYRK2	-0.281
AI016151	EFHA2	-0.447
H60119	EHBP1	-0.296
AI149630	EHD4	-0.491
H40023	EIF5	-0.414
AA040699	ELK3	-0.262
AA707219	ELL2	-0.599
T87150	ELL2	-0.412
AI090439	ELMO1	-0.366
AA022645	ENTPD1	-0.617
AA120875	EPC1	-0.413
H54779	EPC1	-0.405
N49717	EPC1	-0.290
AI241301	ERO1LB	-0.269
H19429	ERO1LB	-0.513
H30558	ERO1LB	-0.641
AI247774	EXOC4	-0.227
AA977210	FAF1	-0.444
W90105	FAF1	-0.250
AI049503	FAM133B	-0.272
N24829	FBXL11	-0.204
T53389	FCGBP	-0.257
AA430668	FCGRT	0.579
R54846	FGFR1	0.499
AI032747	FLJ14154	-0.180
AI271436	FLJ20160	-0.271
AA937453	FLJ43663	-0.311
AA972308	FLJ43663	-0.270
AI248213	FLJ43663	-0.401
T95898	FLJ43663	-0.414
AA699707	FNBP1	-0.324
AI018807	FNIP1	-0.368
AI079779	FOXK2	-0.221
T71650	FRS2	-0.305
N54783	FUBP1	-0.293
AA779569	FUS	-0.325
H11042	FUSIP1	-0.194
AI093876	GABPB2	-0.380
N48820	GABPB2	-0.410
AA702791	GJB7	-0.238
AI217380	GNAL	-0.257
AA620960	GNG2	-0.367

N48294	GNPTAB	-0.394
H56207	GPATCH8	-0.240
R39926	GPR137B	-0.522
AI017149	GRHL3	-0.363
AA083577	GUF1	-0.286
AA699808	HCST	-0.466
R38639	HDHD1A	-0.269
AI248021	HLF	-0.348
AA479962	HNRNPC	-0.217
H99811	HNRPA3	-0.214
AA609738	HNRPD	-0.347
H82104	HNRPD	-0.391
T55592	HNRPD	-0.330
AA447768	HRB	-0.316
N53488	HSD17B12	-0.213
AA703169	HTR3A	-0.287
H13205	IDS	-0.392
AA873578	IGHG1	-0.990
W73790	IGLL1	-1.000
R62653	IMAA	-0.248
AA996230	ING3	-0.210
AI015577	INOC1	-0.375
AA262235	INTS6	0.310
H91827	ITCH	-0.193
AA436187	ITGAM	-0.384
AA609962	ITGAM	-0.522
H56961	JMJD2C	-0.436
AA448164	KBTBD2	-0.149
W02624	KBTBD2	-0.331
N36389	KIAA0226	-0.243
N27761	KIAA0495	-0.317
H85885	KIAA0999	-0.232
N47010	KIAA1432	-0.763
AA167270	KIAA1524	-0.296
AA443140	KIFC2	-0.273
AA156946	KLF6	-0.600
AA416628	KLF6	-0.476
AA865224	KLF6	-0.477
AA111979	KLHL24	-0.481
T64972	LANCL2	-0.396
AA704941	LARP5	-0.470
H18953	LCOR	-0.198
W73144	LCP1	-0.323
AA280651	LMO2	-0.376
AI024284	LOC143381	-0.495
H48138	LOC145474	-0.383
AI018016	LOC401089	0.412
AA281926	LRBA	-0.278
AI092008	LRP2BP	-0.602

N53411	LRP2BP	-0.439
N99539	LRP6	0.368
AI217767	LRRC41	-0.326
AA702419	LUC7L2	-0.223
N72288	MARCH7	-0.311
AA902629	MARVELD2	-0.256
R56829	MASP2	-0.453
AA521303	MAT2B	-0.212
AA677880	MBD2	-0.330
AI273507	MBIP	-0.260
R07012	MCM4	-0.364
H70887	MED10	-0.309
AA491228	MEF2A	-0.416
AI123400	MEF2A	-0.274
N49958	MEF2C	-0.511
AI264565	MEI1	-0.360
AI076295	MEMO1	-0.627
AA398341	MFAP3L	-0.240
AA923375	MFN1	-0.464
AA774524	MFSD2	-0.584
AA476584	MGC12966	0.293
H97875	MGC24039	-0.477
AA001918	MIER1	-0.475
AI239677	MIER1	-0.276
AI082362	MLL3	-0.310
AI190774	MLL3	-0.203
H78010	MLL3	-0.297
AA210701	MOBKL1B	-0.315
AA947294	MORF4L2	-0.266
AI302997	MRPL54	-0.206
N24004	MUTYH	-0.278
H77533	NAP1L1	-0.203
AA678176	NAT13	-0.249
AA777399	NAT13	-0.297
AA489785	NCOA1	-0.224
AI186954	NF1	-0.244
AI001741	NFKB1	-0.525
AI028699	NIPBL	-0.225
R12411	NIPSNAP3B	-0.351
AA625804	NNT	0.378
N74106	NOSTRIN	-0.353
H16262	NPTN	-0.195
H37761	NR4A3	-0.363
N72196	NR4A3	-0.251
AA677601	NR5A2	-0.269
AA626383	NRD1	-0.318
R51261	NSMCE2	-0.278
R54554	NUP88	-0.249
AA045327	OGN	-0.228

N47511	OMG	-0.304
H10059	OSBPL3	-0.460
AI222165	PABPC1	-0.322
AA152296	PANK2	-0.251
AA165520	PAPD4	-0.246
T81837	PAPD4	-0.330
N50904	PARP9	-0.410
AA504356	PCBP2	-0.352
AA702399	PCNX	-0.322
T48011	PCYOX1	-0.173
R16146	PFKFB2	-0.327
T97353	PFTK1	-0.436
AA286777	PHC3	-0.404
AI168122	PHC3	-0.296
R07319	PHC3	-0.257
AI310971	PHF20L1	-0.190
AA779546	PKIA	-0.292
AA410184	PKNOX2	-0.232
R99847	PLA2G12A	-0.766
AA427940	PLN	-0.276
AI475653	POLS	-0.144
AA917520	PPHLN1	-0.257
AI160166	PPIA	-0.278
AA151249	PPOX	-0.248
AI274880	PPP2R2A	-0.284
AI336804	PPP2R5C	-0.213
AA056083	PPP2R5E	-0.230
AI242970	PRDM2	-0.396
R89715	PRKCG	-0.533
AA464541	PRPF40A	-0.314
AA677380	PRPF40A	-0.262
AI032886	PRPF4B	-0.210
AA490903	PSCDBP	-0.680
W90716	PSD4	-0.330
AA862434	PSMB9	-0.228
AI085796	PSMD1	-0.280
AI290481	PTBP2	-0.332
W92859	PTPN1	-0.299
AA428195	PTPN2	-0.170
AI273320	PTPN2	-0.279
AA906845	PTPN22	-0.491
AA904360	PTPRC	-0.370
H74265	PTPRC	-0.352
R38343	PTPRG	-0.343
AI263457	RAB11FIP2	-0.165
H21670	RAB18	-0.291
AA677878	RAB22A	-0.251
AA490474	RAB23	-0.183
AA677106	RAB2A	-0.384

AA670411	RAB2B	-0.177
AI290596	RAB30	-0.362
H00477	RAB5A	-0.183
AI028363	RALA	-0.183
AA969014	RAPGEF1	-0.347
AI287588	RAPGEF1	-0.328
AI052298	RASA1	-0.283
AA278633	RASGRP1	-0.299
N26823	RBBP6	-0.249
AA676634	RBM16	-0.230
N63150	RCOR3	-0.184
AA677078	REEP5	-0.241
R51073	REPS1	-0.293
AA708786	REV3L	-0.313
AA699346	RFC3	-0.326
AI038592	RGL1	-0.437
AI028234	RHOA	-0.383
AI074526	RIC3	-0.641
W04152	RICH2	-0.237
AI138734	RNF13	-0.241
AA455970	RNF139	-0.284
R10334	RNF32	-0.256
AI141046	RNF7	-0.242
AA432137	RORA	-0.322
AA878775	RP13-15M17.2	-0.258
AI022132	RPA3	-0.234
AI147399	RPAP2	-0.310
H95669	RPS18P1	-0.434
AA291183	RSRC2	-0.201
AI209205	RSRC2	-0.410
R39039	RUFY2	-0.300
R62633	SASP	-0.275
AI218719	SCFD1	-0.209
AI002532	SCN5A	-0.211
AA704707	SECISBP2	-0.307
AA954738	SELPLG	-0.273
AA682691	SELT	-0.201
AA026388	SENP6	-0.320
AA972286	SEPT11	-0.316
R96240	SFPQ	-0.202
AA455164	SFRS1	-0.233
AA883496	SFRS10	-0.451
AI299893	SFRS12	-0.288
N57632	SFRS12	-0.251
AA705212	SFRS4	-0.223
R05810	SFRS4	-0.149
H48346	SGMS1	-0.383
AI262665	SGOL2	-0.316
AA446651	SH3D19	-0.680

AA976599	SH3D19	-0.344
AA984663	SLC26A5	-0.238
AI222995	SLC36A1	-0.313
N68171	SMAD4	-0.240
T90760	SMAP1L	-0.234
H74183	SMEK2	-0.247
AA019547	SND1	-0.400
AI243340	SND1	-0.307
AA004719	SNN	-0.366
AA700764	SNX5	-0.236
AA001219	SOCS3	-0.329
AA504773	SORL1	-0.227
R33103	SPG20	0.803
AA427924	SPON1	-0.285
AA677280	SPRED1	-0.366
AA975530	SSH2	-0.370
AI146762	SSH2	-0.255
H08595	SSX2IP	0.402
H19227	ST3GAL6	0.857
AA282023	STAT5B	-0.655
AA620393	STIM2	-0.330
AA707196	STK24	-0.255
AA455248	STK4	-0.549
AA878599	SYAP1	-0.266
AA598572	SYK	-0.621
R87238	SYT11	-0.403
AI091450	SYTL3	-0.662
AI041592	TANK	-0.268
AI143794	TARDBP	-0.284
T95578	TBRG1	-0.176
AA400277	TFCP2	-0.312
N90882	TGM3	-0.219
H73461	THOC2	-0.209
AI285186	TM2D1	-0.295
AA479252	TM9SF2	-0.222
AA398129	TM9SF3	-0.201
AA676838	TMEM110	-0.279
AI150297	TMEM30A	-0.316
AA977196	TMEM38A	0.325
AA699368	TNFAIP8	-0.308
AI241421	TNKS	-0.289
AI244972	TRIB1	-0.332
AA426120	TRIM33	-0.252
N26724	TRIO	-0.264
AA432256	TRIP12	-0.294
N45223	TSC22D2	-0.358
AA676649	TSHZ2	-0.302
AI075923	TSSK4	-0.258
AI028308	TTC17	-0.252

AI031763	TTC17	-0.282
AA448694	U2AF1	-0.311
AA626236	UBE2E2	-0.366
R09284	UBR5	-0.245
R89313	UGCGL1	-0.448
H63175	USP47	-0.357
AA399952	USP50	-0.217
H16686	VAPA	-0.357
AI028039	VPS13C	-0.533
H18668	VTI1A	-0.251
AA417318	WDR33	-0.255
T97112	WDR37	-0.218
AA460557	WDR43	-0.411
AA598802	WTAP	-0.163
AA873459	WTAP	-0.315
R08938	YWHAG	-0.328
R45221	ZBTB20	-0.361
AA777255	ZC3H15	-0.339
AA406078	ZEB1	-0.342
AA677683	ZFAND3	-0.202
AA707544	ZMYM2	-0.335
AA005196	ZNF138	-0.388
T97215	ZNF207	-0.249
W86455	ZNF273	-0.263
AA970023	ZNF292	-0.216
R63980	ZNF292	-0.326
AA017242	ZNF407	-0.427
AA504273	ZNF514	-0.275
AA928817	ZNF711	-0.369
AI005358	ZNF768	-0.323
AA400474	ZPBP	-0.786
H25019	ZZZ3	-0.349
AA453460	unknown	-0.211
AA679870	unknown	-0.240
AA906961	unknown	-0.361
AA922231	unknown	-0.408
AA927612	unknown	-0.347
AA947306	unknown	-0.205
H10156	unknown	-0.507
N64635	unknown	-0.213
W19228	unknown	0.418
W58325	unknown	-0.243
AA013481	unknown	-0.432
AA018569	unknown	-0.317
AA406581	unknown	-0.339
AA410254	unknown	-0.661
AA412435	unknown	-0.602
AA416760	unknown	-0.292
AA421352	unknown	-0.202

AA477431	unknown	-0.242
AA678010	unknown	-0.245
AA683343	unknown	-0.326
AA700817	unknown	-0.219
AA703378	unknown	-0.266
AA705081	unknown	-0.414
AA777474	unknown	-0.256
AA866057	unknown	-0.288
AA878762	unknown	-0.243
AA885523	unknown	-0.324
AA889061	unknown	-0.564
AA894630	unknown	0.389
AA905165	unknown	-0.482
AA905166	unknown	-0.290
AA907052	unknown	-0.438
AA908241	unknown	0.333
AA916872	unknown	0.313
AA927397	unknown	-0.427
AA927821	unknown	-0.266
AA931369	unknown	-0.317
AA936171	unknown	-0.242
AA939238	unknown	-0.512
AA939251	unknown	-0.472
AA970158	unknown	-0.659
AA984679	unknown	-0.317
AA989432	unknown	-0.375
AI004821	unknown	-0.247
AI018042	unknown	-0.271
AI018127	unknown	-1.398
AI031771	unknown	-0.247
AI042180	unknown	-0.280
AI096618	unknown	-0.306
AI122689	unknown	-0.325
AI127342	unknown	-0.456
AI128226	unknown	-0.397
AI218327	unknown	-0.261
AI218398	unknown	-0.707
AI222606	unknown	-0.285
AI240278	unknown	-0.312
AI240359	unknown	0.621
AI243608	unknown	-0.535
AI245201	unknown	-0.261
AI246463	unknown	-0.377
AI248260	unknown	0.336
AI262392	unknown	-0.234
AI268113	unknown	-0.262
AI274393	unknown	-0.334
H04399	unknown	-0.293
H05653	unknown	-0.558

H08541	unknown	-0.340
H09334	unknown	-0.407
H21071	unknown	-0.330
H29535	unknown	-0.459
H49055	unknown	-0.324
H65193	unknown	-0.363
H72625	unknown	-0.187
H73587	unknown	-0.390
H73594	unknown	-0.279
H78407	unknown	-0.337
H99211	unknown	-0.201
N49789	unknown	-0.199
N51441	unknown	-0.589
N54960	unknown	-0.225
N62259	unknown	-0.381
N65982	unknown	-0.404
N71463	unknown	-0.201
N72150	unknown	-0.434
N72300	unknown	-0.327
N73227	unknown	-0.317
N76276	unknown	-0.357
N80451	unknown	-0.440
N95440	unknown	-0.490
R06119	unknown	-0.280
R11217	unknown	-0.262
R11360	unknown	-0.322
R20640	unknown	-0.205
R25895	unknown	-0.496
R26614	unknown	-0.336
R49592	unknown	-0.267
R55365	unknown	-0.363
R76875	unknown	-0.210
R89104	unknown	-0.289
R93686	unknown	-0.264
T59442	unknown	-0.668
T65857	unknown	-0.825
T70401	unknown	-0.347
T81155	unknown	-0.336
T84782	unknown	-0.566
T95643	unknown	-0.258
T97139	unknown	-0.388
T99772	unknown	-0.435
W84754	unknown	-0.316