

Mapping autism risk loci using genetic linkage and chromosomal rearrangements (The Autism Genome Project (AGP) Consortium)

Supplementary Table 2. List of 254 CNVs in Affected Individuals.

Supplementary Table 5: List of 254 CNVs in Affected Individuals (NCBI Build 35)

Sample ID	CNV/sample	Chr	Cytoband	Start	Stop	Size	#SNPs/segment	CNV	Familial	Mendelian error	dGV	RefGene	% overlap
NAAR065-D7-HI2326	2	1	1p36.12	21,400,700	21,625,400	224,700	2	gain			yes		100.0%
NAAR074-A7-04C35667	5	1	1p31.3	60,389,500	61,350,000	960,500	6	gain	yes		yes	MGC40069 NM_182615	34.4%
NAAR074-D1-04C35701	1	1	1p31.3	60,629,100	61,350,000	720,900	5	gain	yes				0.0%
NAAR003-D2-8055-204	1	1	1p21.2	101,987,000	101,998,000	11,000	3	loss				KIFC3 NM_005550 MMP15 NM_002428 GPR56 NM_005682 TEPP NM_005682 SIGLEC6 NM_198845 ZNF613 NM_001031721 ZNF614 NM_025040 SIC	0.0%
NAAR066-H6-HI2815	1	1	1p21.1	105,739,000	105,801,000	62,000	3	gain			yes		58.5%
NAAR007-D5-8172-201	1	1	1q21.1	143,780,000	144,894,000	1,114,000	7	gain	yes		yes	ADCY2 NM_020546 NSUN2 NM_017755 IRX1 NM_024337 ICE1 NM_17E	13.2%
NAAR007-D6-8172-202	1	1	1q21.1	143,780,000	144,894,000	1,114,000	7	gain	yes		yes	LOC134147 NM_138809 CTNND2 NM_001332 LOC134145 NM_199133	18.2%
NAAR025-E10-3090.002	1	1	1q21.1	143,780,000	144,479,000	699,000	6	gain			yes		53.8%
NAAR048-G5-02C09922	1	1	1q21.1	143,780,000	144,894,000	1,114,000	7	gain			yes	SNRPN NM_022806 SNRPN NM_022807 UBE3A NM_130839 OCA2 NM	30.7%
NAAR070-D8-HI3079	1	1	1q21.1	143,780,000	144,894,000	1,114,000	7	loss	yes			APIN NM_017855 C4orf7 NM_152997 CSN3 NM_005212	0.0%
NAAR006-A3-8125-201	6	1	1q23.3	158,901,000	159,090,000	189,000	6	gain			yes		47.5%
NAAR069-H9-04C29142	3	1	1q23.3	158,901,000	159,599,000	698,000	7	gain			yes		100.0%
NAAR058-E4-HI1581	1	1	1q31.1	185,134,000	185,838,000	704,000	7	loss	yes		yes	PMP22 NM_153322 FLJ45831 NM_001001684 TEKT3 NM_031898 PMF	100.0%
NAAR048-G6-02C09923	2	1	1q42.3	232,746,000	232,746,000	0	2	loss			yes		30.7%
NAAR043-F6-01C06146	1	2	2p25.3	1,725,230	1,743,780	18,550	3	gain	yes		yes	SNRPN NM_022806 SNRPN NM_022807 UBE3A NM_130839 OCA2 NM	0.0%
NAAR043-F7-01C06147	1	2	2p25.3	1,725,230	1,743,780	18,550	3	gain	yes		yes	HTR1F NM_000866 CGGBP1 NM_00100390 CGGBP1 NM_003663 ZN	0.0%
NAAR056-F7-HI0995	1	2	2p24.3	14,316,000	15,674,900	1,358,900	11	gain			yes		0.0%
NAAR032-G1-3222.004	2	2	2p24.1	21,249,500	22,833,700	1,584,200	7	gain	yes				14.7%
NAAR067-F3-HI1481	4	2	2p22.3	32,986,100	33,204,100	218,000	3	gain					0.0%
NAAR010-E6-8265-201	1	2	2p16.3	51,891,200	52,313,100	421,900	4	gain				TMEM16E NM_213599 SLC17A6 NM_020346	14.7%
NAAR043-H6-01C06231	4	2	2p16.1	58,068,200	59,840,200	1,772,000	6	gain			yes		100.0%
NAAR078-C9-F-031-003	1	2	2p12.2	79,137,200	79,137,300	100	2	loss			yes		78.3%
NAAR071-G6-04C33169	1	2	2p11.2	83,832,600	84,397,700	565,100	7	gain			yes		100.0%
NAAR003-A5-8047-202	4	2	2p11.2	88,993,300	88,993,400	100	2	loss			yes		12.1%
NAAR003-F10-8064-201	1	2	2p11.2	88,993,300	88,993,400	100	2	loss			yes		6.4%
NAAR052-E11-HI0559	1	2	2q12.1	104,863,000	104,863,000	0	3	loss			yes	ASTN2 NM_198187 ASTN2 NM_014010 ASTN2 NM_198188 ASTN2 NM	15.0%
NAAR052-G3-HI0186	1	2	2q12.3	106,922,000	107,678,000	756,000	7	gain			yes	ANKRD15 NM_153186 DMRT2 NM_181872 DMRT1 NM_021951 DMRT.	68.9%
NAAR022-E8-3020.004	1	2	2q13	111,333,000	112,712,000	1,379,000	6	gain	yes		yes	SUCLG2 NM_003848 FAM19A4 NM_001005527 FAM19A1 NM_213609	2.1%
NAAR015-H9-R-103-008	1	2	2q22.3	145,475,000	145,587,000	112,000	3	gain			yes	C2orf10 NM_194250	14.5%
NAAR001-A9-8002-202	7	2	2q24.1	154,759,000	155,131,000	372,000	4	loss			yes	GALNT13 NM_052917	0.0%
NAAR071-F2-04C33150	1	2	2q24.1	156,592,000	157,717,000	1,125,000	8	gain			yes		0.3%
NAAR077-H7-05C40979	1	2	2q24.3	165,478,000	166,218,000	740,000	4	gain			yes	RNF2 NM_007212 VNS1 ABP NM_016389 VNS1 ABP NM_006469 C1orf	6.7%
NAAR048-G6-02C09923	2	2	2q31.1	172,258,000	172,303,000	45,000	3	loss					0.0%
NAAR006-A3-8125-201	6	2	2q32.1	184,270,000	186,428,000	2,158,000	11	gain	yes			MOV10L1 NM_018995	0.0%
NAAR006-A4-8125-202	1	2	2q32.1	184,623,000	186,428,000	1,805,000	9	gain	yes		yes	ANKRD15 NM_015158 DMRT1 NM_021951 ANKRD15 NM_153186 DMF	68.9%
NAAR057-F1-HI1281	2	2	2q32.1	185,302,000	186,892,000	1,590,000	8	gain				MOV10L1 NM_018995	0.0%
NAAR062-A2-HI0717	1	3	3p26.3	1,478,480	2,264,800	786,320	6	gain					0.0%
NAAR058-D6-HI1540	6	3	3p14.2	59,347,700	59,711,600	363,900	7	gain			yes	KIAA1944 NM_133448	100.0%
NAAR007-B6-8159-203	1	3	3p14.1	67,773,300	68,967,900	1,194,600	7	loss	yes	yes		MCTP2 NM_018349	0.0%
NAAR077-H11-HI1824	4	3	3p13	70,753,700	71,252,700	499,000	4	gain			yes	SNRPN NM_022806 SNRPN NM_022807 UBE3A NM_130839 OCA2 NM	30.7%
NAAR037-A9-1014-A9-P3	3	3	3p12.2	82,496,200	83,190,200	694,000	6	gain	yes	yes		CDH13 NM_0010257	0.0%
NAAR025-D4-3081.005	1	3	3p12.1	85,618,700	85,619,200	500	3	loss	yes	yes	yes	ANKRD15 NM_153186 DMRT2 NM_181872 DMRT1 NM_021951 DMRT.	68.9%
NAAR078-D11-R-001-017	1	3	3p12.1	85,618,700	85,619,200	500	3	loss			yes	SGCZ NM_139167	52.8%
NAAR049-E2-02C10442	1	3	3q24	149,082,000	149,082,000	0	2	loss					0.0%
NAAR007-F6-8177-202	3	3	3q25.31 3q25.32	157,517,000	159,424,000	1,907,000	10	gain			yes	ANKRD15 NM_153186 DMRT2 NM_181872 DMRT1 NM_021951 DMRT.	68.9%
NAAR064-F12-HI2093	5	3	3q25.31 3q25.32	157,517,000	158,701,000	1,184,000	7	gain			yes		20.6%
NAAR052-F6-HI0682	3	4	4p16.3 4p16.2 4p16.1	398,952	17,044,800	16,645,848	64	loss	yes				0.0%
NAAR062-H3-HI1083	2	4	4p16.3 4p16.2 4p16.1	398,952	6,790,030	6,391,078	12	gain	yes		yes	IRF4 NM_002460 HUS1B NM_148959 DUSP22 NM_020185 EXOC2 NM	32.9%
NAAR071-B8-HI3174	2	4	4p15.33 4p16.1	10,760,900	11,857,300	1,096,400	7	gain			yes		100.0%
NAAR052-F6-HI0682	3	4	4p15.32 4p15.31 4p15.2	18,188,800	23,734,300	5,545,500	20	loss	yes			CDH8 NM_001796	0.0%
NAAR035-C8-1014-C8-P1	1	4	4p15.2	24,846,300	24,846,500	200	2	gain			yes	HTR7 NM_019859 MPHOSPH1 NM_016195 PANK1 NM_138316 HTR7	2.0%
NAAR065-F7-HI2361	3	4	4p15.1	28,022,000	28,870,800	848,800	7	gain					0.0%
NAAR001-A9-8002-202	7	4	4q13.3	71,370,900	71,371,300	400	3	loss					0.0%
NAAR010-F7-8268-201	1	4	4q26	117,347,000	118,226,000	879,000	7	gain	yes		yes		100.0%
NAAR069-F6-HI2662	2	4	4q32.2 4q32.3	164,134,000	167,151,000	3,017,000	15	gain				MMP15 NM_002428 GPR56 NM_005682 GPR56 NM_201525 TEPP NM	0.0%
NAAR046-F3-01C08055	2	4	4q34.3 4q35.1 4q35.2	182,216,000	188,232,000	6,016,000	27	gain				TRPM3 NM_206946 TRPM3 NM_206944 TRPM3 NM_020952 TRPM3 N	0.0%
NAAR031-C8-3213.002	1	4	4q34.3	182,703,000	182,703,000	0	3	gain				MMP15 NM_002428 GPR56 NM_005682 GPR56 NM_201525 TEPP NM	0.0%
NAAR047-F8-01C08500	1	4	4q35.1 4q35.2	185,809,000	189,310,000	3,501,000	17	gain	yes		yes		57.5%
NAAR047-F9-01C08501	1	4	4q35.1 4q35.2	185,809,000	189,310,000	3,501,000	17	gain	yes		yes		72.3%
NAAR062-D6-HI0890	1	4	4q35.2	188,901,000	189,905,000	1,004,000	9	gain	yes				0.0%
NAAR062-D7-HI0891	1	4	4q35.2	188,901,000	189,310,000	409,000	4	loss	yes		yes	OR2T33 NM_001004695 OR2L2 NM_001004686 OR2T33 NM_001005495	79.6%
NAAR007-A6-8156-201	1	4	4q35.2	189,303,000	189,310,000	7,000	3	loss					100.0%
NAAR027-C6-3120.003	1	4	4q35.2	189,303,000	189,310,000	7,000	3	loss	yes				0.0%
NAAR027-D6-3120.004	1	4	4q35.2	189,303,000	189,310,000	7,000	3	loss	yes		yes	TNFRSF8 NM_152942 CLCN6 NM_021737 PRAMEF3 NM_001013692 F	31.5%
NAAR056-B12-HI0790	1	4	4q35.2	189,303,000	189,310,000	7,000	3	loss				KLK13 NM_015596 KLK10 NM_002776 KLK12 NM_145895 KLK9 NM_0	0.0%
NAAR070-H5-HI3148	1	4	4q35.2	189,303,000	189,310,000	7,000	3	loss	yes				0.0%
NAAR071-A7-HI3161	1	4	4q35.2	189,303,000	189,310,000	7,000	3	loss	yes				0.0%
NAAR023-F9-3046.003	1	4	4q35.2	189,670,000	190,118,000	448,000	7	loss	yes	yes	yes	GJA5 NM_005266 CHD1L NM_004284 BCL9 NM_004326 FMO5 NM_00	33.6%
NAAR073-E12-04C35554	1	4	4q35.2	189,670,000	190,118,000	448,000	7	gain	yes				0.0%
NAAR073-F2-04C35556	1	4	4q35.2	189,670,000	190,200,000	530,000	8	gain	yes				0.0%
NAAR024-A12-3072.008	1	4	4q35.2	189,808,000	191,091,000	1,283,000	12	loss	yes	yes	yes	GJA5 NM_005266 CHD1L NM_004284 BCL9 NM_004326 FMO5 NM_00	33.6%
NAAR041-G7-01C05468	2	4	4q35.2	190,013,000	191,091,000	1,078,000	8	loss	yes	yes	yes		100.0%
NAAR046-F3-01C08055	2	4	4q35.2	190,013,000	191,091,000	1,078,000	8	gain					

Sample ID	CNV/sample	Chr	Cytoband	Start	Stop	Size	#SNPs/segment	CNV	Familial	Mendelian error	dGV	RefGene	% overlap
NAAR003-A5-8047-202	4	5	5p15.31\5p15.2\5p15.1	9,538,490	16,046,000	6,507,510	24	loss			yes		32.0%
NAAR030-E12-3198.003	1	5	5p14.1	29,073,500	29,136,100	62,600	4	loss	yes	yes	yes		11.2%
NAAR030-F12-3198.004	2	5	5p14.1	29,073,500	29,136,100	62,600	4	loss	yes	yes	yes		0.0%
NAAR050-H5-HI2533	2	5	5p14.1	29,073,500	29,136,100	62,600	4	loss	yes	yes	yes		0.0%
NAAR075-F3-04C36242	1	5	5p13.3	31,683,400	31,683,500	100	2	loss			yes		0.2%
NAAR030-C3-3179.006	1	5	5p13.3	33,080,000	33,196,500	116,500	4	gain					0.0%
NAAR053-B12-HI0551	2	5	5p13.1	39,193,600	40,355,600	1,162,000	14	gain				ERO1LB1[NM_019891	0.0%
NAAR003-D6-8056-201	1	5	5p13.1	39,448,600	39,469,900	21,300	2	gain				MOV10L1[NM_018995	0.0%
NAAR031-G8-3214.004	1	5	5q13.3	75,136,400	75,136,700	300	3	loss					0.0%
NAAR046-D1-01C08018	1	5	5q13.3	75,136,400	75,136,700	300	3	loss				C18orf58[NM_173817	0.0%
NAAR077-H11-HI1824	4	5	5q21.2\15q21.1	102,457,000	103,447,000	990,000	5	gain			yes	SNRPN[NM_022806]\SNRPN[NM_022807]\UBE3A[NM_130839]\OCA2[NM_130839]	30.7%
NAAR001-A9-8002-202	7	5	5q21.2	103,669,000	104,188,000	519,000	3	loss			yes		13.4%
NAAR047-E4-01C08484	1	5	5q23.1	117,078,000	119,691,000	2,613,000	17	loss	yes		yes		2.4%
NAAR030-G7-3183.003	5	5	5q23.1\15q23.2	119,510,000	121,563,000	2,053,000	13	gain				VEGFC[NM_005429	0.0%
NAAR029-A9-3171.003	1	5	5q23.2	125,468,000	125,556,000	88,000	5	gain			yes		12.1%
NAAR037-A5-1014-A5-P3	5	5	5q31.1	132,594,000	134,866,000	2,272,000	12	gain			yes	DKFZp434N2030[NM_001009894]\KCNC2[NM_139136]\PPFIA2[NM_0036	5.7%
NAAR064-H4-HI2135	2	5	5q35.2	174,348,000	174,971,000	623,000	7	gain			yes		100.0%
NAAR027-E4-3118.003	1	6	6p25.3	150,610	150,878	268	3	loss				TDRD3[NM_030794	0.0%
NAAR046-C9-01C08014	1	6	6p25.3	150,610	150,878	268	3	gain			yes		100.0%
NAAR049-G4-HI2402	1	6	6p25.3	150,610	150,878	268	3	gain			yes		100.0%
NAAR052-F3-HI0633	2	6	6p25.3\16p25.2\16p25.1	374,457	30,443,000	30,068,543	141	loss	yes			CDH8[NM_001796	0.0%
NAAR055-A4-HI0442	1	6	6p25.2\16p25.1\16p24.3	3,801,430	18,594,500	14,793,070	67	loss	yes		yes	HDAC11[NM_024827]\FBLN2[NM_001998]\FBLN2[NM_001004019]\NUP2	39.5%
NAAR070-A12-04C29161	2	6	6p24.3	7,456,900	7,595,230	138,330	2	gain				MMP15[NM_002428]\GPR56[NM_005682]\GPR56[NM_201525]\TEPPIN[M_201525]	0.0%
NAAR044-G5-01C06574	1	6	6p22.2	25,282,000	25,382,600	100,600	4	gain			yes	GALNT1[NM_020474]\DTNA3[NM_032980]\DSC3[NM_024423]\DTNA3[NM_024423]	14.9%
NAAR041-A2-99C00465	4	6	6q14.1	77,520,700	78,789,900	1,269,200	8	gain				COL15A1[NM_001855]\NR4A3[NM_006981]\C9orf21[NM_153698]\CTSL2[0.0%
NAAR066-F1-HI2710	2	6	6q14.1	78,060,300	79,324,200	1,263,900	9	gain			yes	FHOD3[NM_025135	100.0%
NAAR024-E12-3073.004	1	6	6q16.1	94,672,800	95,213,100	540,300	8	loss			yes	PPM2C[NM_018444]\NM_145269]\CDH17[NM_004063]\RBM12B[NM_203	8.3%
NAAR041-A2-99C00465	6	6	6q16.3	104,688,000	105,059,000	371,000	5	gain			yes	CTNNA1[NM_003798]\OR13D1[NM_001004448]\PTPN3[NM_002829]\FC	7.2%
NAAR078-A3-200305415	9	6	6q16.3\16q21	104,688,000	112,813,000	8,125,000	29	gain			yes	HTR1B[NM_000863	34.6%
NAAR078-A3-200305415	9	6	6q21\16q22.1\16q22.2	113,107,000	121,399,000	8,292,000	40	loss	yes				0.0%
NAAR078-A3-200305415	9	6	6q22.3\16q22.32\16q22.3	122,787,000	130,388,000	7,601,000	31	loss	yes		yes	OPRK1[NM_000912	8.4%
NAAR078-A3-200305415	9	6	6q24.1	139,167,000	142,639,000	3,472,000	12	loss				CDH4[NM_001794	0.0%
NAAR078-A3-200305415	9	6	6q24.2\16q24.3	144,964,000	148,225,000	3,261,000	18	loss	yes			PDZK3[NM_015022]\PDZK3[NM_178140	0.0%
NAAR078-A3-200305415	9	6	6q25.2	153,246,000	154,205,000	959,000	8	loss					0.0%
NAAR078-A3-200305415	9	6	6q25.3	156,077,000	158,058,000	1,981,000	12	loss					0.0%
NAAR067-F3-HI1481	4	6	6q25.3	157,739,000	157,941,000	202,000	3	gain				GAB2[NM_012296]\GAB2[NM_080491	0.0%
NAAR052-G9-HI1097	1	6	6q26	163,090,000	163,493,000	403,000	4	gain	yes		yes	PIPE[NM_006112]\CAP1[NM_006367]\RRAGC[NM_022157]\PPIE[NM_200	25.4%
NAAR010-G1-8269-202	2	6	6q27	165,016,000	165,037,000	21,000	3	loss				NOVA1[NM_006489]\NOVA1[NM_002515]\NOVA1[NM_006491	11.4%
NAAR078-A3-200305415	9	6	6q27	165,016,000	167,022,000	2,006,000	13	loss					78.3%
NAAR047-H1-02C09502	8	7	7p21.3\17p21.2\17p21.1	11,993,100	17,334,000	5,340,900	20	gain			yes		100.0%
NAAR064-H2-HI2133	1	7	7p21.3	12,577,400	12,826,100	248,700	5	gain			yes		20.6%
NAAR063-F4-HI1524	2	7	7p21.3\17p21.2	49,519,500	50,046,900	527,400	6	gain	yes		yes		20.6%
NAAR064-A4-HI1686	1	7	7q21.11	83,174,700	85,227,400	2,052,700	14	loss	yes	yes		KIAA1559[NM_020917]\MGCG70924[NM_199285]\SYMFK[NM_004819]\ZN	21.1%
NAAR059-G5-HI2100	1	7	7q21.13	87,837,300	89,132,500	1,295,200	6	gain			yes	KCR1[NM_001013620]\CPNE8[NM_153634	90.1%
NAAR061-A5-HI0128	1	7	7q31.32	121,543,000	122,291,000	748,000	4	loss	yes	yes		MMP15[NM_002428]\GPR56[NM_005682]\GPR56[NM_201525]\TEPPIN[M_201525]	0.0%
NAAR062-H3-HI1083	2	8	8p23.3\18p23.2\18p23.1	1,130,900	6,780,950	5,650,050	32	loss					0.0%
NAAR064-E5-HI1947	1	8	8p23.2	3,909,530	4,949,310	1,039,780	12	gain			yes		6.4%
NAAR067-A8-HI2741	2	8	8p23.2	3,909,530	3,909,710	180	2	gain	yes		yes	C1D[NM_173177]\MEIS1[NM_002398]\PPP3R1[NM_000945]\LOC554251]	8.7%
NAAR006-F6-8145-201	2	8	8p23.2	4,473,850	5,900,610	1,426,760	13	gain			yes		86.0%
NAAR007-E6-8175-201	1	8	8p23.1	8,160,870	11,422,100	3,261,230	11	loss		yes	yes	KRTHA7[NM_003770]\FLJ34306[NM_199340]\CD79B[NM_021602]\CASC	18.2%
NAAR041-G2-00C04611	1	8	8p22	13,570,600	14,168,200	597,600	7	gain	yes		yes		48.8%
NAAR050-H10-HI2538	2	8	8q11.21	50,311,400	50,549,200	237,800	2	gain			yes		72.3%
NAAR041-A2-99C00465	4	8	8q11.23	54,253,900	54,663,300	409,400	5	gain			yes	CDC26[NM_139286]\HSDL2[NM_032303]\ASTN2[NM_198187]\WDR31[NM_198187]	17.3%
NAAR032-C11-3252.003	1	8	8q13.3	70,795,900	72,139,600	1,343,700	9	gain					0.0%
NAAR073-A12-03C15260	1	8	8q22.1\18q22.2	97,006,400	99,137,500	2,131,100	6	gain					0.0%
NAAR052-F3-HI0633	2	8	8q22.3\18q23.2\18q23.1	104,786,000	142,072,000	37,286,000	139	gain				CDH8[NM_001796	0.0%
NAAR070-E3-HI3091	2	8	8q24.12	120,513,000	122,308,000	1,795,000	7	loss					0.0%
NAAR035-G1-1014-G1-P1	1	8	8q24.22	134,743,000	134,743,000	0	2	gain				KRTAP19-4[NM_181610]\KRTAP19-6[NM_181612]\KRTAP19-5[NM_1816	0.0%
NAAR051-G11-02C12334	1	8	8q24.23	137,820,000	137,859,000	39,000	2	loss			yes	GJA5[NM_005266]\CHD1L[NM_004284]\BCL9[NM_004326]\FMO5[NM_00	40.1%
NAAR069-F6-HI2662	2	8	8q24.3	142,072,000	142,072,000	0	2	gain			yes		30.1%
NAAR077-C8-04C37826	1	8	8q24.3	142,072,000	142,072,000	0	2	gain					0.0%
NAAR027-A12-3129.004	1	9	9p24.3	239,391	1,599,250	1,359,859	8	gain				C3orf32[NM_015931]\LOH3CR2A[NM_013343]\CAV3[NM_001234]\CAV3[0.0%
NAAR050-H5-HI2533	2	9	9p24.3	239,391	559,992	320,601	5	gain	yes		yes		0.0%
NAAR064-F6-HI2067	3	9	9p24.3\19p24.2\19p24.1	239,391	33,916,500	33,677,109	213	gain	yes		yes		100.0%
NAAR065-B12-HI2269	3	9	9p24.3	239,391	1,599,250	1,359,859	8	gain				CTNNA3[NM_013266]\LRRTM3[NM_178011	0.0%
NAAR041-F10-00C04574	2	9	9p23	11,611,200	12,277,900	666,700	10	loss	yes	yes	yes		100.0%
NAAR065-B12-HI2269	3	9	9p23\19p22.3	11,611,200	14,481,300	2,870,100	31	gain				LOC51334[NM_016644	0.0%
NAAR052-H6-HI1012	1	9	9p23	12,010,900	12,277,900	267,000	6	loss		yes	yes		100.0%
NAARCP2-A1-S-065-003	1	9	9p21.3	23,996,000	23,996,300	300	3	loss				SGCG[NM_000231]\SPATA13[NM_153023]\SACS[NM_014363]\FLJ46358	0.0%
NAAR065-B12-HI2269	3	9	9p21.1	28,114,200	31,349,900	3,235,700	11	gain				LOC51334[NM_016644]\SRFBP1[NM_152546]\FTTMJ[NM_177478]\FLJ325	0.0%
NAAR037-A9-1014-A9-P3	3	9	9p13.2	38,017,600	38,288,600	271,000	4	gain			yes	KIAA1815[NM_024896]\UHRF2[NM_152306]\MJD2C[NM_015061]\MLAN	22.3%
NAAR069-H9-04C29142	3	9	9p13.2	38,017,600	38,288,600	271,000	4	gain				MMP15[NM_002428]\GPR56[NM_005682]\GPR56[NM_201525]\TEPPIN[M_201525]	0.0%
NAAR064-F6-HI2067	3	9	9q21.1\19q21.12\19q21.11	70,403,200	90,734,300	20,331,100	84	gain				CTNNA3[NM_013266]\LRRTM3[NM_178011	0.0%
NAAR022-H7-3019.003	1	9	9q21.12\19q2										

Sample ID	CNV/sample	Chr	Cytoband	Start	Stop	Size	#SNPs/segment	CNV	Familial	Mendelian error	dGV	RefGene	% overlap
NAAR065-F2-HI0182	1	10	10p13	13,087,500	13,302,400	214,900	4	loss	yes	yes	yes	FHOD3 NM_025135	100.0%
NAAR060-A7-HI2165	1	10	10q11.22 10q11.23	49,217,200	50,638,800	1,421,600	14	gain	yes		yes	DSG4 NM_177986 DSG2 NM_001943 B4GALT6 NM_004775 DSG3 NM	0.2%
NAAR043-H10-01C06237	1	10	10q21.1	59,937,900	59,938,400	500	3	loss	yes			TRPM3 NM_206946 TRPM3 NM_206944 TRPM3 NM_020952 TRPM3 N	0.0%
NAAR057-C7-HI1208	1	10	10q21.3	64,337,400	66,264,700	1,927,300	9	gain					0.0%
NAAR044-H5-01C06591	1	10	10q22.1 10q22.2 10q	67,889,900	133,793,000	65,903,100	258	gain			yes	CDH19 NM_021153 CDH7 NM_033646 SERPINB8 NM_001031848 C18	16.4%
NAAR030-G10-3194.003	1	10	10q21.3	68,424,900	68,552,100	127,200	6	gain	yes				100.0%
NAAR047-H1-02C09502	8	10	10q23.31 10q23.32	92,008,800	93,008,000	999,200	7	gain			yes	SNRPN NM_022806 SNRPN NM_022807 UBE3A NM_130839 OCA2 NM	31.6%
NAAR057-F1-HI1281	2	10	10q23.31 10q23.32	92,008,800	93,008,000	999,200	7	gain			yes	PMP22 NM_153322 FLJ45831 NM_001001684 TEKT3 NM_031898 PMF	100.0%
NAAR077-E7-05C39675	6	10	10q23.31 10q23.32	92,152,400	93,008,000	855,600	5	gain				SHBINM_003028	0.0%
NAAR020-F12-HI1566	3	10	10q25.1	110,441,000	111,091,000	650,000	4	loss			yes	CSMD1 NM_033225	100.0%
NAAR050-H11-HI2539	2	10	10q26.2	127,758,000	127,758,000	0	3	gain			yes	SYNE2 NM_182914 ZFVYVE26 NM_015346 SYNE2 NM_182910 SYNE2	0.5%
NAAR074-D9-04C35709	1	11	11p15.2	15,182,800	15,182,900	100	2	loss			yes	GPR65 NM_003608 GALC NM_000153	32.7%
NAAR001-C2-8006-202	1	11	11p15.1	18,048,100	18,048,400	300	2	loss					0.0%
NAAR076-G4-04C37169	1	11	11p14.3	21,709,100	21,709,300	200	3	gain	yes			HABP2 NM_004132	0.0%
NAAR076-G5-04C37170	1	11	11p14.3	21,709,100	21,709,300	200	3	gain	yes		yes	MGC40069 NM_182615	34.4%
NAAR001-A9-8002-202	7	11	11p14.3	22,349,700	22,375,100	25,400	4	loss				SLC17A6 NM_020346	0.0%
NAAR010-E1-8264-201	2	11	11p13	34,393,300	34,576,200	182,900	4	gain				OLFM3 NM_058170	0.0%
NAAR066-A7-HI0151	1	11	11p13	36,163,200	36,163,400	200	3	loss			yes	GABRG3 NM_033223	6.3%
NAAR063-B1-HI1183_2	2	11	11p11.2	48,014,900	48,704,500	689,600	4	gain				SFRS4 NM_005626 PTPRU NM_005704 MECR NM_001024732 EPB41	0.0%
NAAR068-E11-HI2859	2	11	11p11.12	49,879,900	50,595,000	715,100	7	gain	yes		yes	TRAM1 NM_014294 IPRDM14 NM_024504 XKR9 NM_001011720 SLCO	1.1%
NAAR056-C2-HI0799	1	11	11p11.12	50,096,900	50,595,000	498,100	6	gain	yes				0.0%
NAAR068-F2-HI2862	2	11	11p11.12	50,096,900	50,595,000	498,100	6	gain	yes				0.0%
NAAR001-A9-8002-202	7	11	11p11.12	50,418,000	50,595,000	177,000	3	loss			yes		100.0%
NAAR020-F12-HI1566	3	11	11p11.12	50,418,000	50,595,000	177,000	3	loss				SNX14 NM_020468 INT5E NM_002526 SYNCRIP NM_006372 SNX14 N	0.0%
NAAR074-C12-04C35700	1	11	11p11.12	51,247,900	51,319,500	71,600	4	gain					0.0%
NAAR001-F11-8017-202	3	11	11q14.1	77,603,900	77,613,800	9,900	3	loss		yes	yes	PMP22 NM_153322 PMP22 NM_000304 TEKT3 NM_031898 FLJ45831	100.0%
NAAR026-G7-3105.004	1	11	11q22.3	103,005,000	103,045,000	40,000	5	loss		yes		C3orf32 NM_015931 LOH3CR2A NM_013343 CAV3 NM_001234 CAV3 I	0.0%
NAAR063-B3-HI1190	1	11	11q22.3	103,928,000	104,733,000	805,000	8	gain	yes				0.0%
NAAR057-E5-HI1258	1	11	11q23.2 11q23.3 11q	113,502,000	134,403,000	20,901,000	95	gain					0.0%
NAARCP2-A7-S-082-003	1	11	11q25	133,403,000	134,403,000	1,000,000	5	gain			yes		76.9%
NAAR035-E11-1014-E11-P1	1	11	11q25	134,083,000	134,403,000	320,000	4	gain			yes	PSG7 NM_002783 PSG1 NM_006905 PSG6 NM_001031850 PSG6 NM	100.0%
NAAR024-E10-3070.004	1	11	11q25	134,394,000	134,403,000	9,000	3	gain			yes	SHOX2 NM_006884 TIPARP NM_015508 FLJ16641 NM_001004316 SS	8.6%
NAAR060-C5-HI2203	1	12	12q24.12 12p13.33	93,683	130,547,000	130,453,317	476	gain			yes	FLJ16171 NM_001004348 DRD1 NM_000794 SFXN1 NM_022754	15.2%
NAAR047-E5-01C08485	1	12	12p11.23	27,470,200	27,495,700	25,500	3	gain	yes				57.5%
NAAR028-D6-3139.003	1	12	12q11 12q12	36,491,900	37,417,300	925,400	12	gain			yes		24.9%
NAAR001-A9-8002-202	7	12	12q12	36,506,000	37,162,800	656,800	10	loss			yes	KCR1 NM_001013620	100.0%
NAAR004-B12-9080-201	2	12	12q12	36,506,000	36,697,300	191,300	7	loss				KIFC3 NM_005550 MMP15 NM_002428 GPR56 NM_005682 TEPP NM	0.0%
NAAR020-F12-HI1566	3	12	12q12	36,694,800	36,697,300	2,500	3	loss					0.0%
NAAR052-F6-HI0682	3	12	12q24.12 12q13.11	44,378,200	130,547,000	86,168,200	321	gain	yes	yes			0.0%
NAAR033-G1-3258.004	1	12	12q14.1	58,858,000	59,736,400	878,400	4	loss	yes	yes		HRASLS NM_020386 OPA1 NM_130837 OPA1 NM_130831 ATP13A4 N	36.4%
NAAR001-A9-8002-202	7	12	12q21.1	71,222,200	71,727,000	504,800	3	loss			yes	TRHDE NM_013381	60.0%
NAAR028-C3-3133.003	1	12	12q24.33	128,620,000	128,999,000	379,000	4	gain				CAT NM_001752 ELF5 NM_001422 ELF5 NM_198381	0.0%
NAAR041-F10-00C04574	2	13	13q12.12	22,502,100	23,692,300	1,190,200	9	gain	yes		yes	CASP4 NM_033306 COP1 NM_052889 CASP1 NM_033292 CASP1 NM	24.8%
NAAR051-G1-HI2618	1	13	13q12.12	22,502,100	23,692,300	1,190,200	9	gain					0.0%
NAAR047-H1-02C09502	8	13	13q13.1 13q13.2	32,884,200	33,883,200	999,000	6	gain			yes		72.3%
NAAR054-F3-HI0298	1	13	13q14.2	47,048,100	47,569,100	521,000	8	gain	yes				0.0%
NAAR054-F4-HI0299	1	13	13q14.2	47,048,100	47,569,100	521,000	8	gain	yes				0.0%
NAAR031-G7-3212.003	1	13	13q21.31 13q21.32	63,529,600	65,319,400	1,789,800	9	gain	yes		yes		100.0%
NAAR044-C5-01C06331	1	13	13q21.32	65,120,700	65,951,300	830,600	5	gain	yes		yes	C1orf58 NM_173817 KIAA1772 NM_024935 MGCG26718 NM_00102999	22.3%
NAAR072-F11-200501053	3	13	13q31.1	80,722,400	82,292,200	1,569,800	9	gain					0.0%
NAAR047-H1-02C09502	8	13	13q31.1	83,604,500	84,667,000	1,062,500	6	gain			yes		100.0%
NAAR072-F11-200501053	3	13	13q33.1 13q33.2	103,629,000	104,277,000	648,000	7	loss			yes	ACOXL NM_018308 BCL2L1 NM_138624 BCL2L1 NM_138621 BCL2L	100.0%
NAAR036-E10-1014-E10-P2	3	14	14q11.2	21,305,700	21,719,200	413,500	9	gain				PACRG NM_152410	0.0%
NAAR038-D6-1015-D6-P1	1	14	14q11.2	21,305,700	21,719,200	413,500	9	gain			yes	C9orf72 NM_018325 C9orf72 NM_145005 C9orf82 NM_024828 ELAVL2	13.8%
NAAR010-E1-8264-201	2	14	14q12	24,835,400	25,548,500	713,100	6	gain				DAB2 NM_001343	0.0%
NAAR063-F7-HI1544	1	14	14q23.2 14q23.3	61,897,100	65,075,600	3,178,500	11	gain			yes	NDUFA11 NM_175614 ZNF441 NM_152355 TICAM1 NM_182919 FLJ39C	9.8%
NAAR063-E9-HI1500	1	14	14q31.1 14q31.2 14q	80,741,900	87,019,000	6,277,100	43	gain			yes	MRPL40 NM_003776 CLTCL1 NM_007098 UFD1L NM_001035247 VDC	20.7%
NAAR002-B3-8026-204	2	15	15q11.2	21,490,300	22,083,700	593,400	9	gain					0.0%
NAAR024-B7-3064.003	1	15	15q11.2 15q12	21,490,300	25,698,400	4,208,100	18	gain	yes		yes	GJA5 NM_005266 CHD1L NM_004284 BCL9 NM_004326 FMO5 NM_00	33.6%
NAAR024-C7-3064.004	1	15	15q11.2 15q12	21,490,300	25,698,400	4,208,100	18	gain	yes		yes	TNKS1 NM_003747 THEX1 NM_153332 XKR6 NM_173683 MFHAS1 NM	9.6%
NAAR039-C9-1021-C9-P3	2	15	15q11.2 15q12	21,490,300	25,698,400	4,208,100	18	gain			yes	ZA20D2 NM_006007 LOC401507 NM_001012278_copy_2 GBA2 NM_02	27.4%
NAAR039-E9-1012-F2-PA	1	15	15q11.2 15q12	21,490,300	25,698,400	4,208,100	18	gain			yes	SLC28A3 NM_022127 HNRPK NM_002140 HNRPK NM_031263 FRMDC	14.5%
NAAR065-E6-HI0302	1	15	15q11.2 15q12	21,490,300	25,698,400	4,208,100	18	gain	yes		yes		20.6%
NAAR065-E7-HI0304	1	15	15q11.2 15q12	21,490,300	25,698,400	4,208,100	18	gain	yes		yes		94.8%
NAAR015-C12-F-016-003	1	15	15q11.2	21,885,600	22,083,700	198,100	6	gain			yes	C1orf11 NM_182581 NOS1AP NM_014697	100.0%
NAAR052-E6-HI0308	1	15	15q12	23,325,300	24,495,700	1,170,400	4	gain			yes	ACOXL NM_018308 BCL2L1 NM_138624 BCL2L1 NM_138621 BCL2L	100.0%
NAAR078-A3-200305415	9	15	15q22.1 15q22.33 15q	49,345,700	100,170,000	50,824,300	190	gain		yes		SGCG NM_000231 SPATA13 NM_153023 SACS NM_014363 FLJ46358	0.0%
NAAR007-C5-8168-202	1	15	15q22.2	57,930,400	58,146,000	215,600	4	gain			yes		100.0%
NAAR055-A4-HI0442	2	15	15q24.2 15q24.3 15q	74,290,400	100,170,000	25,879,600	104	gain			yes		100.0%
NAAR070-E3-HI3091	2	16	16p13.2	7,668,760	8,435,410	766,650	8	loss				APIN NM_017855 C4orf7 NM_152997 CNS3 NM_005212	0.0%
NAAR075-E1-04C36221	2	16	16p13.2	7,668,760	8,435,410	766,650</							

Sample ID	CNV/sample	Chr	Cytoband	Start	Stop	Size	#SNPs/segment	CNV	Familial	Mendelian error	dGV	RefGene	% overlap
NAAR017-D4-HI2243	1	16	16q23.3	81,327,500	82,050,200	722,700	5	gain					0.0%
NAAR068-B12-HI1404	2	17	17p12	14,304,400	15,237,700	933,300	10	gain	yes				0.0%
NAAR001-E1-8012-201	1	17	17p12	14,432,900	15,237,700	804,800	9	loss	yes	yes	yes		0.7%
NAAR045-A5-01C06730	3	17	17p12	14,691,500	15,108,700	417,200	4	gain			yes	ACOXL NM_018308 BCL2L1 NM_138624 BCL2L1 NM_138621 BCL2L1	100.0%
NAAR003-A5-8047-202	4	17	17q21.1 17q25.2 17q25.3	33,248,900	76,399,500	43,150,600	88	gain		yes			0.0%
NAAR067-D12-HI2767	2	18	18p11.32	1,564,270	1,964,310	400,040	10	gain	yes		yes		69.2%
NAAR076-D4-04C36611	1	18	18p11.32	1,748,000	1,807,190	59,190	4	loss				SHB NM_003028	0.0%
NAAR022-A10-3023.004	1	18	18p11.21 18p11.22	10,741,600	11,601,400	859,800	7	gain	yes		yes	SUCLG2 NM_003848 FAM19A4 NM_001005527 FAM19A1 NM_213609 FAM19A1	2.1%
NAAR022-H9-3023.003	1	18	18p11.21 18p11.22	10,741,600	11,601,400	859,800	7	gain	yes			FOXB1 NM_012182	0.0%
NAAR001-F11-8017-202	3	18	18p11.21	11,554,300	11,601,400	47,100	3	loss			yes	PMP22 NM_153322 PMP22 NM_000304 TEKT3 NM_031898 FLJ45831 PMP22	100.0%
NAAR036-E10-1014-E10-P2	3	18	18q11.2	18,307,400	18,529,700	222,300	4	gain			yes	CAPZA3 NM_033328 PLCZ1 NM_033123 PIK3C2G NM_004570 AEBP2 GAB2 NM_012296 GAB2 NM_080491	2.5%
NAAR050-H11-HI2539	2	18	18q11.2	18,307,400	18,529,700	222,300	4	gain					0.0%
NAAR058-D6-HI1540	6	18	18q11.2	18,307,400	18,529,700	222,300	4	gain			yes	PMP22 NM_153322 FLJ45831 NM_001001684 TEKT3 NM_031898 PMF KRTAP19-4 NM_181610 KRTAP19-6 NM_181612 KRTAP19-5 NM_181613 KRTAP19-4	100.0%
NAAR036-B11-1014-B11-P2	1	18	18q12.2 18q12.3	34,993,000	35,619,700	626,700	5	loss	yes	yes			0.0%
NAAR020-B4-HI0937	1	19	19q12	32,869,600	33,398,500	528,900	7	gain			yes	ATP5J NM_001003696 CRYZL1 NM_145858 CLDN14 NM_144492 C21C1 ATP5J	10.8%
NAAR071-F1-04C33149	1	19	19q13.11	37,946,700	39,375,900	1,429,200	8	gain			yes		0.3%
NAAR041-G7-01C05468	2	20	20p13	95,685	691,220	595,535	4	gain	yes		yes		100.0%
NAAR041-A2-99C00465	4	20	20q13.33	59,180,200	59,682,100	501,900	5	gain			yes	SLC27A4 NM_005094 C5 NM_001735 CDK9 NM_001261 RAPGEF1 NM_001735	11.0%
NAAR010-H3-8273-202	1	21	21q11.2	13,520,500	13,574,800	54,300	2	gain			yes		100.0%
NAAR017-C2-HI2202	1	21	21q22.11	30,538,900	30,983,100	444,200	8	gain	yes		yes	C2orf10 NM_194250	9.2%
NAAR069-A4-HI2923	1	21	21q22.3	46,751,900	46,782,200	30,300	2	gain			yes		6.8%
NAAR030-C8-3183.007	1	22	22q11.21	17,506,900	19,774,000	2,267,100	4	loss			yes		18.1%
NAAR063-B1-HI1183_2	2	22	22q11.21	17,506,900	20,306,800	2,799,900	5	gain	yes		yes	NDUFA11 NM_175614 ZNF441 NM_152355 TICAM1 NM_182919 FLJ90 NDUFA11	10.2%
NAAR074-A11-04C35671	2	22	22q12.1	26,638,100	27,802,400	1,164,300	4	gain					0.0%
NAAR001-G4-8018-201	1	22	22q13.32 22q13.33	47,765,700	48,006,700	241,000	3	loss				GAB2 NM_080491 GAB2 NM_012296	0.0%
NAAR053-F1-03C15328	1	22	22q13.32 22q13.33	48,004,600	48,881,300	876,700	4	loss	yes	yes	yes		19.2%
NAAR072-F11-200501053	3	22	22q13.32 22q13.33	48,004,600	48,881,300	876,700	4	loss	yes	yes	yes		19.2%
NAAR002-B3-8026-204	2	22	22q13.33	48,881,000	48,881,300	300	2	gain			yes		100.0%