

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

Supplementary Table 4. List of Validated CNVs.

Supplementary Table 7: List of Validated CNVs (NCBI Build 35)

List of Validated CNVs in Batch Analysis

SCAN ID	Family ID	Invd ID	chr	cytoband	start	stop	size	cnv (loss/gain)	Validation
NAAR030-E12-3198.003		3198	3	1 p36.11;p35.3:	24,939,600	30,896,500	5,956,900	gain	Familial
NAAR030-F12-3198.004		3198	4	1 p36.11;p35.3:	25,148,200	30,896,500	5,748,300	gain	Familial
NAAR047-C10-C08464		1116;7101	4,7	1 p35.2	30,265,700	30,896,500	630,800	loss	Familial
NAAR047-C8-01C08462		1116;7101	1,1	1 p35.2	30,265,700	30,896,500	630,800	loss	Familial
NAAR060-G3-H1233		7101;1116	1,1	1 p35.2	30,265,700	30,896,500	630,800	loss	Familial
NAAR074-C3-0C35691		5116	1	1 p32.1;p31.3	60,055,100	61,350,000	1,294,900	gain	Familial
NAAR074-D1-04C35701		5116	4	1 p31.3	60,389,500	61,350,000	960,500	gain	Familial
NAAR036-D12-1014-D12-P2		3178	6	1 p31.1	82,453,300	83,282,300	829,000	gain	Mendelian Error
NAAR024-A12-3072.008		3072	8	1 p21.1	105,739,000	105,801,000	62,000	gain	Familial
NAAR024-G11-3072.006		3072	6	1 p21.1	105,739,000	105,801,000	62,000	gain	Familial
NAAR007-D4-8172-111		8172	11	1 p21.1	143,780,000	144,894,000	1,114,000	gain	Familial
NAAR007-D5-8172-201		8172	205	1 p21.1	143,780,000	144,894,000	1,114,000	gain	Familial
NAAR007-D6-8172-202		8172	202	1 p21.1	143,780,000	144,894,000	1,114,000	gain	Familial
NAAR070-D8-H1079		1425	301	1 p21.1	143,780,000	144,894,000	1,114,000	loss	Mendelian Error
NAAR007-A4-AU2201		8156	101	1 p23.3	158,901,000	159,599,000	698,000	gain	Familial
NAAR007-A8-8156-203		8156	203	1 p23.3	158,901,000	159,599,000	698,000	gain	Familial
NAAR029-E10-3172.009		3172	9	1 p23.3	158,901,000	159,599,000	698,000	gain	Familial
NAAR029-E9-3172.001		3172	1	1 p23.3	158,901,000	159,036,000	135,000	gain	Familial
NAAR029-F9-3172.002		3172	2	1 p23.3	158,901,000	159,036,000	135,000	gain	Familial
NAAR064-H3-H12134		1321	2	1 p23.3	158,901,000	159,599,000	698,000	gain	Familial
NAAR064-H4-H12135		1321	5	1 p23.3	158,901,000	159,036,000	135,000	gain	Familial
NAAR058-E4-H1581		1288	4	1 p31.1	185,134,000	185,838,000	704,000	loss	Mendelian Error
NAAR055-C12-H10556		1168	1	1 p42.3	232,746,000	232,746,000	1,000	loss	Familial
NAAR055-D1-H10557		1168	2	1 p42.3	232,746,000	232,746,000	1,000	loss	Familial
NAAR055-D2-H10560		1168	3	1 p42.3	232,746,000	232,746,000	1,000	loss	Familial
NAAR067-D6-H12761		1410	303	1 p42.3	232,746,000	232,746,000	1,000	loss	Familial
NAAR067-D7-H12762		1410	301	1 p42.3	232,746,000	232,746,000	1,000	loss	Familial
NAAR012-G3-19-961040		4011	1	2 p36.2;p25.3;2j	157,739	240,643,000	240,485,261	gain	Familial, Mendelian Error
NAAR001-A2-8001-111		8001	111	2 2p24.3	14,316,000	15,674,900	1,358,900	gain	Familial
NAAR001-A3-8001-202		8001	202	2 2p24.3	14,316,000	15,674,900	1,358,900	gain	Familial
NAAR023-B10-3047.004		3047	4	2 2p24.2	17,113,300	17,558,400	445,100	loss	Familial
NAAR023-C10-3047.005		3047	5	2 2p24.2	17,284,200	17,558,400	274,200	loss	Familial
NAAR032-E1-3222.002		3222	2	2 2p24.1	19,980,700	21,966,300	1,985,600	gain	Familial
NAAR032-F1-3222.003		3222	3	2 2p24.1	19,980,700	23,634,900	3,654,200	gain	Familial
NAAR032-G1-3222.004		3222	4	2 2p24.1	19,980,700	23,634,900	3,654,200	gain	Familial
NAAR049-C11-42C10134		8122;1295	2	2 1p16.3	50,430,000	50,785,300	355,300	loss	QPCR, min.sat
NAAR064-C2-H11745		8122;1295	203,3	2 1p16.3	106,322,000	106,322,000	750,000	loss	Mendelian Error
NAAR052-C12-03C13728		2015	2	2 2q14.3;2q21.1;2j	129,275,000	149,814,000	20,539,000	gain	Familial
NAAR006-A3-8125-201		8125	201	2 2q32.1	184,623,000	186,335,000	1,712,000	gain	Familial
NAAR006-A4-8125-202		8125	202	2 2q32.1	184,623,000	186,335,000	1,712,000	gain	Familial
NAAR001-D7-8011-111		8011	111	2 2q36.1	224,192,000	224,192,000	0	loss	Familial
NAAR001-D9-8011-202		8011	202	2 2q36.1	224,192,000	224,192,000	0	loss	Familial
NAAR007-B2-8159-101		8159	101	3 3p14.1	67,773,300	68,967,900	1,194,600	loss	Familial
NAAR007-B4-AU32503		8159	201	3 3p14.1	67,773,300	68,967,900	1,194,600	loss	Familial, Mendelian Error
NAAR007-B6-8159-203		8159	203	3 3p14.1	67,773,300	68,967,900	1,194,600	loss	Familial, Mendelian Error
NAAR030-F9-3192.001		3192	1	3 3p12.2	82,496,200	83,190,200	694,000	gain	Familial
NAAR037-A9-1014-A9-P3		3192	4	3 3p12.2	82,496,200	83,190,200	694,000	gain	Familial, Mendelian Error
NAAR048-D2-02C10148		9043	4	3 3p12.2	82,496,200	82,849,700	353,500	loss	Familial
NAAR049-D1-02C10136		9043	5	3 3p12.2	82,496,200	82,849,700	353,500	loss	Familial
NAAR072-G5-H10615		1023	8	3 3p13.31	117,973,000	118,274,000	301,000	loss	Familial
NAARCP2-D11-H10615		1023	8	3 3p13.31	117,973,000	118,274,000	301,000	loss	Familial
NAAR045-E11-01C07334		7019	5	3 3q25.33;3q26.1	160,960,000	162,570,000	1,610,000	gain	Familial
NAAR045-E8-01C07331		7019	8	3 3q25.33;3q26.1	160,960,000	162,570,000	1,610,000	gain	Familial
NAARCP1-F7-R-191-004		6026	4	3 3q28.3q29	193,786,000	195,272,000	1,486,000	loss	Mendelian Error
NAAR052-F6-H10682		1092	4	4 4p16.3;4p16.2;4j	398,352	22,577,600	22,179,248	loss	Mendelian Error
NAAR062-H3-H11083		1218	3	4 4p16.3;4p16.2;4j	398,352	6,790,000	6,391,648	loss	Mendelian Error
NAAR045-D8-01C07315		7002;8038	4,203	4 4q13.3	73,981,000	75,223,100	1,242,100	gain	Familial
NAAR045-D6-01C07313		7002;8038	3,201	4 4q13.3	74,920,500	75,223,100	302,600	gain	Familial
NAAR010-F6-8268-111		8268	111	4 4q26	116,325,000	118,226,000	1,901,000	gain	Familial
NAAR010-F7-8268-201		8268	201	4 4q26	117,347,000	118,226,000	879,000	gain	Familial
NAAR010-F9-8268-203		8268	203	4 4q26	117,865,000	118,226,000	361,000	gain	Familial
NAAR014-C10-19981812		2016	16	4 4q32.2;4q32.3;4j	162,505,000	173,191,000	10,686,000	gain	Familial
NAAR014-C9-19981150		2016	10	4 4q32.3;4q33;4q3j	166,717,000	179,076,000	12,359,000	gain	Familial
NAAR047-C1-01C08451		7098	6	4 4q34.3	179,062,000	179,488,000	426,000	gain	Familial
NAAR047-C2-01C08452		7098	4	4 4q34.3	179,062,000	179,488,000	426,000	gain	Familial
NAAR047-F7-01C08499		7126	1	4 4q35.1;4q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR047-F8-01C08500		7126	4	4 4q35.1;4q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR047-F9-01C08501		7126	1	4 4q35.1;4q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR012-E10-19-983957_2		4022	501	4 4q35.2	187,766,000	190,013,000	2,247,000	gain	Familial
NAAR062-D5-H10889		1088	3	4 4q35.2	188,796,000	189,905,000	1,109,000	gain	Familial
NAAR062-D6-H10890		1088	4	4 4q35.2	188,901,000	189,905,000	1,004,000	gain	Familial
NAAR070-H5-H13148		1420	302	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR071-A5-H13159		1420	201	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR071-A7-H13161		1420	303	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR023-D9-3046.001		3046	1	4 4q35.2	189,670,000	190,118,000	448,000	loss	Familial
NAAR023-F9-3046.003		3046	3	4 4q35.2	189,670,000	190,118,000	448,000	loss	Familial
NAAR062-D4-H10888		1088	2	4 4q35.2	189,670,000	189,905,000	235,000	gain	Familial
NAAR024-A12-3072.008		3072	8	4 4q35.2	189,808,000	191,091,000	1,283,000	loss	Familial
NAAR024-B12-3072.009		3072	9	4 4q35.2	189,808,000	191,091,000	1,283,000	loss	Familial
NAAR024-G11-3072.006		3072	6	4 4q35.2	189,808,000	191,091,000	1,283,000	loss	Familial
NAAR041-G10-01C05471		7008	2	4 4q35.2	190,013,000	191,091,000	1,078,000	loss	Familial
NAAR041-G7-01C05468		7008	4	4 4q35.2	190,013,000	191,091,000	1,078,000	loss	Familial, Mendelian Error
NAAR003-A5-8047-202		8047	202	5 5p15.33;5p15.32	1,677,350	8,438,300	6,760,950	loss	Mendelian Error
NAAR030-E12-3198.003		3198	3	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR030-F12-3198.004		3198	4	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR050-H5-H12533		1356	302	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial, Mendelian Error
NAAR069-C1-H12941		1356	201	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR062-A11-H10781		1172	4	5 5q12.2;5q11.2;5j	57,466,600	179,796,000	122,329,400	gain	Mendelian Error
NAAR067-E6-H12773		1394	202	5 5q12.1	62,312,800	62,902,800	590,000	loss	Familial
NAAR067-E8-H12775		1394	301	5 5q12.1	62,312,800	62,902,800	590,000	loss	Familial
NAAR054-B1-H10145		2021;1099	4,4	5 5q13.3	75,136,400	75,136,700	300	loss	Mendelian Error
NAAR047-E4-01C08484		7113	4	5 5q23.1	117,056,000	119,691,000	2,635,000	loss	Mendelian Error
NAAR029-A9-3171.003		3171	3	5 5q23.2	125,468,000	125,556,000	88,000	gain	Familial
NAAR029-D9-3171.006		3171	6	5 5q23.2	125,468,000	125,556,000	88,000	gain	Familial
NAAR080-D1-H11260		1211	5	5 5q23.2;5q31.1;5j	127,335,000	179,796,000	52,461,000	gain	Mendelian Error
NAAR001-H4-8021-101		8021	101	6 6p25.3	150,610	374,457	223,847	gain	Familial
NAAR001-H5-8021-111		8021	111	6 6p25.3	150,610	374,457	223,847	gain	Familial
NAAR027-A9-3124.001		3124	1	6 6p25.3	150,610	374,457	223,847	gain	Familial
NAAR027-B9-3124.002		3124	12	6 6p25.3	150,610	374,457	223,847	gain	Familial
NAAR027-C9-3124.003		3124	3	6 6p25.3	150,610	374,457	223,847	gain	Familial
NAAR052-F3-H10633		1041	3	6 6p25.3;6p25.2;6j	150,610	30,443,000	30,292,390	loss	Mendelian Error
NAAR014-H6-20-0425549		4060	1	6 6p22.3;6p22.2;6j	18,944,300	27,642,200	8,697,900	gain	Mendelian Error
NAAR011-D3-8299-202_2		8299	202	6 6p12.1;6p11.2;6j	54,139,800	65,881,300	11,741,500	gain	Familial
NAAR078-A3-200305415		4075	100	6 6q22.2;6q22.1;6j	112,813,000	154,205,000	41,392,000	loss	Mendelian Error
NAAR066-E8-H12732		1402</							

SCAN ID	Family ID	Invd ID	chr	cytoband	start	stop	size	cnv (loss/gain)	Validation
NAAR010-B5-8254-204		8252	101	13 13q21.2	59,820,300	60,629,400	809,100	gain	Familial
NAAR031-A8-3212.005		3212	5	13 13q21.32	64,798,700	65,319,400	520,700	gain	Familial
NAAR031-G7-3212.003		3212	3	13 13q21.32	64,798,700	65,319,400	520,700	gain	Familial
NAAR025-E6-3085.003		3085	3	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR025-F6-3085.004		3085	4	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR025-G6-3085.005		3085	5	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR025-H6-3085.006		3085	6	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR074-H7-04C35946		5036	2	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR075-E1-04C36221		5025	8	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR076-A1-04C36336		5026	7	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR076-F7-04C37159		5036	4	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR013-H5-20-003619		4042	501	15 15q11.2;15q12.1	21,490,300	28,040,100	6,549,800	gain	Familial
NAAR024-A7-3064.002		3064	2	15 15q11.2;15q12	21,490,300	25,698,400	4,208,100	gain	Familial
NAAR024-B7-3064.003		3064	3	15 15q11.2;15q12	21,490,300	25,698,400	4,208,100	gain	Familial, Affy Nsp 250K
NAAR024-C7-3064.004		3064	4	15 15q11.2;15q12	21,490,300	25,698,400	4,208,100	gain	Familial, Affy Nsp 250K
NAAR039-E9-1012-F2-PA		4042	102	15 15q11.2;15q12.1	21,490,300	25,698,400	4,208,100	gain	Familial
NAAR065-E8-HI0302		1097	3	15 15q11.2;15q12	21,490,300	25,698,400	4,208,100	gain	Familial
NAAR065-E7-HI0304		1097	4	15 15q11.2;15q12	21,490,300	25,698,400	4,208,100	gain	Familial
NAAR078-A3-200305415		4075	100	15 15q22.1;15q22.3	49,345,700	100,170,000	50,824,300	gain	Mendelian Error
NAAR046-G1-01C08070		7073	5	15 15q26.3	99,686,700	100,170,000	483,300	gain	Familial
NAAR046-G2-01C08071		7073	3	15 15q26.3	99,686,700	100,170,000	483,300	gain	Familial
NAAR064-C5-HI1705		1303	4	16 16p12.3	17,241,900	18,006,800	764,900	loss	Familial
NAAR064-C7-HI1861		1303	3	16 16p12.3	17,241,900	18,006,800	764,900	loss	Familial
NAAR026-B4-3099.006		3099	6	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial
NAAR026-C4-3099.007		3099	7	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial
NAAR026-D4-3099.008		3099	8	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial
NAAR045-C7-01C07274		9019	3	16 16q22.3	73,431,000	73,547,600	116,600	loss	Mendelian Error
NAAR002-A4-8025-111		8025	111	16 16q23.1	74,542,400	74,727,000	184,600	gain	Familial
NAAR002-A8-8025-204		8025	204	16 16q23.1	74,542,400	74,727,000	184,600	gain	Familial
NAAR017-D3-HI2242		1294	5	16 16q23.3	81,327,500	82,362,300	1,034,800	gain	Familial
NAAR017-D4-HI2243		1294	6	16 16q23.3	81,327,500	82,362,300	1,034,800	gain	Familial
NAAR001-D12-8012-111		8012	111	17 17p12	14,304,400	15,237,700	933,300	loss	Familial
NAAR019-F3-HI0561		3135;1058	2;1	17 17p12	14,304,400	15,237,700	933,300	loss	Familial
NAAR028-B4-3135-002		1058;3135	1;2	17 17p12	14,304,400	15,237,700	933,300	loss	Familial
NAAR028-C4-3135-003		1058;3135	4;3	17 17p12	14,304,400	15,237,700	933,300	loss	Familial
NAAR028-D4-3135-004		1058;3135	5;4	17 17p12	14,304,400	15,237,700	933,300	loss	Familial
NAAR068-B10-HI1406		1263	3	17 17p12	14,304,400	15,618,600	1,314,200	gain	Familial
NAAR068-B11-HI1405		1263	4	17 17p12	14,304,400	15,618,600	1,314,200	gain	Familial
NAAR068-B12-HI1404		1263	5	17 17p12	14,304,400	15,618,600	1,314,200	gain	Familial
NAAR001-E1-8012-201		8012	201	17 17p12	14,432,900	15,237,700	804,800	loss	Mendelian Error
NAAR068-B9-HI1408		1263	2	17 17p12	14,432,900	15,618,600	1,185,700	gain	Familial
NAAR003-A5-8047-202		8047	202	17 17q21.1;17q25.2	33,248,900	76,399,500	43,150,600	gain	Mendelian Error
NAAR032-H10-3251.004		1238;3251	4;4	17 17q21.31;17q21.2	39,115,900	47,542,500	8,426,600	gain	Familial
NAAR028-F12-3152.002		3152	2	17 17q21.33;17q22	47,396,100	47,542,500	146,400	gain	Familial
NAAR029-B1-3152.004		3152	4	17 17q21.33;17q22	47,396,100	47,542,500	146,400	gain	Familial
NAAR053-A1-HI1319		3251;1238	4;4	17 17q21.33;17q22	47,396,100	47,542,500	146,400	gain	Familial
NAAR060-F1-HI1320		1238;3251	6;2	17 17q21.33;17q22	47,396,100	47,542,500	146,400	gain	Familial, Mendelian Error
NAAR067-D10-HI2765		1384	202	18 18p11.32	1,564,270	1,807,190	242,920	gain	Familial
NAAR067-D12-HI2767		1384	301	18 18p11.32	1,564,270	1,964,310	400,040	gain	Familial
NAAR025-B4-3081.003		3081	3	18 18p11.22	8,513,940	8,514,030	1,000	loss	Familial
NAAR025-D4-3081.005		3081	5	18 18p11.22	8,513,940	8,514,030	1,000	loss	Familial
NAAR022-A10-3023.003		3023	4	18 18p11.22;18p11.1	10,741,600	12,085,900	1,344,300	gain	Familial
NAAR022-G9-3023.002		3023	2	18 18p11.22;18p11.1	10,741,600	11,601,400	859,200	gain	Familial
NAAR030-E12-3198.004		3198	3	19 19q13.13;19p13	3,542,590	57,869,600	54,327,010	gain	Familial
NAAR030-F12-3198.004		3198	4	19 19q13.13;19p13	3,542,590	63,437,700	59,895,110	gain	Familial
NAAR032-E1-3222.002		3222	2	19 19q13.13;19p13	3,542,590	63,437,700	59,895,110	gain	Familial
NAAR032-F1-3222.003		3222	3	19 19q13.13;19p13	3,542,590	63,437,700	59,895,110	gain	Familial
NAAR032-G1-3222.004		3222	4	19 19q13.13;19p13	3,542,590	63,437,700	59,895,110	gain	Familial
NAAR037-C2-1014-C2-P3		3221	4	19 19p13.3;19p13.2	3,542,590	15,912,900	12,370,310	gain	Familial
NAAR037-C3-1014-C3-P3		3221	5	19 19p13.3;19p13.2	3,542,590	15,912,900	12,370,310	gain	Familial
NAAR035-D10-1014-D10-P1		3024	2	19 19p13.12	14,604,000	15,450,300	846,300	gain	Familial
NAAR035-D9-1014-D9-P1		3024	1	19 19p13.12	14,604,000	14,801,000	197,000	gain	Familial
NAAR036-A10-1014-A10-P2		3094	3	19 19q13.12;19q13	42,492,500	63,437,700	20,945,200	gain	Mendelian Error
NAAR037-B4-1014-B4-P3		3201	3	19 19q13.12;19q13	42,492,500	59,489,700	16,997,200	gain	Mendelian Error
NAAR038-F12-1015-F12-P1		5093	3	19 19q13.32;19q13	50,478,900	56,589,300	6,114,400	gain	Mendelian Error
NAAR037-C2-1014-C2-P3		3221	4	19 19q13.11;19q13	56,275,700	63,437,700	7,162,000	gain	Familial
NAAR037-C1-1014-C1-P3		3221	2	19 19q13.11;19q13	56,275,700	63,437,700	6,674,400	gain	Familial
NAAR041-G10-01C05471		7008	2	20 20p13	95,685	1,358,480	1,262,795	gain	Familial
NAAR041-G7-01C05468		7008	4	20 20p13	95,685	691,220	595,535	gain	Familial
NAAR025-E6-3085.003		3085	3	20 20q13.33	59,180,200	61,366,400	2,186,200	gain	Familial
NAAR025-H7-3085.014		3085	14	20 20q13.33	59,180,200	61,366,400	2,186,200	gain	Familial
NAAR030-E7-3183.001		3183	1	20 20q13.33	59,180,200	61,366,400	2,186,200	gain	Familial
NAAR030-F7-3183.002		3183	2	20 20q13.33	59,180,200	61,366,400	2,186,200	gain	Familial
NAAR059-C10-HI1879		4031;1174	500;2	21 21q22.12	36,447,400	36,479,700	32,300	gain	Familial
NAAR059-C7-HI1876		4031;1174	100;4	21 21q22.12	36,447,400	36,479,700	32,300	gain	Familial
NAAR030-E12-3198.003		3198	3	21 21q22.3	42,530,300	46,782,200	4,251,900	gain	Familial
NAAR030-F12-3198.004		3198	4	21 21q22.3	42,530,300	46,782,200	4,251,900	gain	Familial
NAAR032-D2-3224.002		3224	2	21 21q22.3	42,530,300	46,782,200	4,251,900	gain	Familial
NAAR032-D6-3238.003		3238	3	21 21q22.3	42,530,300	46,782,200	4,251,900	gain	Familial
NAAR032-E1-3222.002		3222	2	21 21q22.3	42,530,300	46,782,200	4,251,900	gain	Familial
NAAR032-F1-3222.003		3222	3	21 21q22.3	42,530,300	46,782,200	4,251,900	gain	Familial
NAAR032-G1-3222.004		3222	4	21 21q22.3	42,530,300	46,782,200	4,251,900	gain	Familial
NAAR032-G2-3224.005		3224	5	21 21q22.3	42,530,300	46,782,200	4,251,900	gain	Familial
NAAR019-C8-HI0322		1020	3	22 22q11.1;22q11.1	15,885,600	19,774,000	4,088,400	gain	FISH
NAAR063-B1-HI183.2		1004	4	22 22q11.21	17,506,900	19,774,000	2,267,100	gain	FISH
NAAR037-C2-1014-C2-P3		3221	4	22 22q12.1;22q12.2	25,705,900	32,390,900	6,685,000	gain	Mendelian Error
NAAR029-C10-3172.007		3172	7	22 22q13.33	48,881,000	48,881,300	1,000	gain	Familial
NAAR029-F9-3172.002		3172	2	22 22q13.33	48,881,000	48,881,300	1,000	gain	Familial
NAAR053-F1-03C15328		2072	2	22 22q13.33	48,004,600	48,881,300	876,700	loss	Familial, Affy Nsp 250K
NAAR072-F11-200501053		2072	1	22 22q13.33	48,004,600	48,881,300	876,700	loss	Familial, Affy Nsp 250K

List of Validated CNVs in Plate Analysis

SCAN ID	Family ID	Invd ID	chr	cytoband	start	stop	size	cnv (loss/gain)	Validation
NAAR009-H10-8250-111		1359;8250	201;11	1 1p36.22;1p36.2	10,931,500	15,413,600	4,482,100	gain	Familial, Mendelian Error
NAAR051-F7-HI2612		8250;359	111;201	1 1p36.22;1p36.2	10,931,500	15,413,600	4,482,100	gain	Familial
NAAR037-C2-1014-C2-P3		3221	4	1 1p36.12;1p36.1	23,012,200	34,002,000	10,989,800	gain	Mendelian Error
NAAR047-C10-01C08464		1116;7101	4;7	1 1p35.2	30,265,700	30,817,000	551,300	loss	Familial, Mendelian Error
NAAR047-C8-01C08462		1116;7101	1;1	1 1p35.2	30,265,700	30,817,000	551,300	loss	Familial
NAAR060-G3-HI2323		7101;1116	1;1	1 1p35.2	30,265,700	30,896,500	630,800	loss	Familial
NAAR074-A7-04C35667		5116	5	1 1p31.3	60,389,500	61,350,000	960,500	gain	Familial
NAAR074-C3-04C35691		5116	1	1 1p31.3	60,629,100	61,350,000	720,900	gain	Familial
NAAR074-D1-04C35701		5116	4	1 1p31.3	60,629,100	61,350,000	720,900	gain	Familial, Affy Nsp 250K
NAAR036-D12-1014-D12-P2		3178	6	1 1p31.1	82,453,300	82,511,000	57,700	gain	Mendelian Error
NAAR007-D4-8172-111		8172	111	1 1q21.1	143,780,000	144,894,000	1,114,000		

SCAN ID	Family ID	Invd ID	chr	cytband	start	stop	size	cnv (loss/gain)	Validation
NAAR032-E1-3222.002		3222	2	2 2p24.1	21,249,500	21,510,300	260,800	gain	Familial
NAAR032-G1-3222.004		3222	4	2 2p24.1	21,249,500	22,833,700	1,584,200	gain	Familial
NAAR049-C8-02C10130			2	2 2p16.3	50,430,300	50,785,300	355,000	loss	QPCR, min.sat
NAAR049-C11-02C10134			2	2 2p16.3	50,430,300	50,785,300	355,300	loss	QPCR, min.sat
NAAR064-C2-H11745	8122;1295		203,3	2 2q12.3	106,922,000	107,678,000	756,000	loss	Mendelian Error
NAAR022-E8-3020.004		3020	4	2 2q13	111,333,000	112,712,000	1,379,000	gain	Familial
NAAR035-D5-1014-D5-P1		3020	1	2 2q13	111,333,000	112,712,000	1,379,000	gain	Familial
NAAR006-A3-8125-201		8125	201	2 2q32.1	184,270,000	186,428,000	2,158,000	gain	Familial
NAAR006-A4-8125-202		8125	202	2 2q32.1	184,270,000	186,428,000	2,158,000	gain	Familial
NAAR062-A10-H10780		1172	2	2 2q34q2q35	211,888,000	217,650,000	5,771,000	gain	Familial
NAAR062-A12-H10782		1172	1	2 2q34q2q35	211,888,000	220,598,000	8,710,000	gain	Familial
NAAR007-B2-8159-101		8159	101	3 3p14.1	67,773,300	68,967,900	1,194,600	loss	Familial
NAAR007-B4-AU32503		8159	201	3 3p14.1	67,773,300	68,967,900	1,194,600	loss	Familial, Mendelian Error
NAAR007-B6-8159-203		8159	203	3 3p14.1	67,773,300	68,967,900	1,194,600	loss	Familial, Mendelian Error
NAAR030-F9-3192.001		3192	1	3 3p12.2	82,496,200	83,190,200	694,000	gain	Familial
NAAR037-A9-1014-A9-P3		3192	1	3 3p12.2	82,496,200	83,190,200	694,000	gain	Familial, Mendelian Error
NAAR025-D4-3081.005		3081	5	3 3p12.1	85,618,700	85,619,200	1,000	loss	Mendelian Error
NAAR072-G5-H10615		1023	8	3 3q13.31	117,973,000	118,274,000	301,000	loss	Familial
NAARCP2-D11-H10615		1023	8	3 3q13.31	117,973,000	118,274,000	301,000	loss	Familial
NAAR052-F6-H10682		1092	4	4 4p16.31q4p16.21q	398,952	17,044,800	16,645,848	loss	Mendelian Error
NAAR062-H3-H11083		1218	3	4 4p16.31q4p16.21q	398,952	6,790,030	6,391,078	gain	Mendelian Error
NAAR052-F6-H10682		1092	4	4 4p15.32q15p15.3	18,198,800	23,734,300	5,545,500	loss	Mendelian Error
NAAR045-G12-POS	3259;3078		1,2	4 4p15.21q4p15.1	27,420,500	28,639,200	1,218,700	gain	Familial
NAAR054-G12-POS	3078;3259		2,1	4 4p15.1	28,022,000	31,238,500	3,216,500	gain	Familial
NAAR055-G12-POS	3078;3259		2,1	4 4p15.1	28,022,000	31,238,500	3,216,500	gain	Familial
NAAR060-G12-POS	3078;3259		2,1	4 4p15.1	28,415,900	28,639,200	223,300	loss	Familial
NAAR033-E1-3257.002		3257	2	4 4q13.3	71,219,300	71,371,300	152,000	loss	Familial
NAAR033-E1-3257.005		3257	5	4 4q13.3	71,219,300	71,371,300	152,000	loss	Familial, Mendelian Error
NAAR010-F6-8268-111		8268	111	4 4q26	116,524,000	118,226,000	1,702,000	gain	Familial
NAAR010-F7-8268-201		8268	201	4 4q26	117,347,000	118,226,000	879,000	gain	Familial
NAAR047-F7-01C08499		7126	1	4 4q35.11q4q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR047-F8-01C08500		7126	4	4 4q35.11q4q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR047-F9-01C08501		7126	3	4 4q35.11q4q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR062-D6-H10889		1088	3	4 4q35.2	188,901,000	189,905,000	1,108,000	gain	Familial
NAAR062-D6-H10889		1088	4	4 4q35.2	188,901,000	189,905,000	1,004,000	gain	Familial
NAAR062-D7-H10891		1088	5	4 4q35.2	188,901,000	189,310,000	409,000	loss	Familial
NAAR027-C6-3120.003		3120	3	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR027-D6-3120.004		3120	4	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR027-E6-3120.005		3120	5	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR070-H5-H13148		1420	302	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR071-A5-H13159		1420	201	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR071-A7-H13161		1420	303	4 4q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR023-D9-3046.001		3046	1	4 4q35.2	189,670,000	190,118,000	448,000	loss	Familial
NAAR023-F9-3046.003		3046	3	4 4q35.2	189,670,000	190,118,000	448,000	loss	Familial, Mendelian Error
NAAR062-D4-H10888		1088	2	4 4q35.2	189,670,000	189,905,000	235,000	gain	Familial
NAAR073-E12-04C35554		5035	2	4 4q35.2	189,670,000	190,118,000	448,000	gain	Familial, Affy Nsp 250K
NAAR073-F2-04C35556		5035	3	4 4q35.2	189,670,000	190,200,000	530,000	gain	Familial
NAAR073-H10-04C35587		5035	2	4 4q35.2	189,670,000	190,118,000	448,000	gain	Familial
NAAR024-A12-3072.008		3072	8	4 4q35.2	189,808,000	191,091,000	1,283,000	loss	Familial, Mendelian Error
NAAR024-B12-3072.009		3072	9	4 4q35.2	189,808,000	191,091,000	1,283,000	loss	Familial, Mendelian Error
NAAR024-G11-3072.006		3072	6	4 4q35.2	189,808,000	191,091,000	1,283,000	loss	Familial
NAAR041-G10-01C05471		7008	2	4 4q35.2	190,013,000	191,091,000	1,078,000	loss	Familial
NAAR041-G11-01C05468		7008	4	4 4q35.2	190,013,000	191,091,000	1,078,000	loss	Familial, Mendelian Error
NAAR003-A5-8047-202		8047	202	5 5p15.331q5p15.3	1,677,350	8,438,300	6,760,950	loss	Mendelian Error
NAAR030-D12-3198.002		3198	2	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR030-E12-3198.003		3198	3	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial, Mendelian Error
NAAR030-F12-3198.004		3198	4	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial, Mendelian Error
NAAR031-A1-3198.005		3198	5	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR050-H5-H12533		1356	302	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial, Mendelian Error
NAAR069-C1-H12941		1356	201	5 5p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR062-A11-H10781		1172	4	5 5q12.21q5q12.31q	62,596,000	179,796,000	117,200,000	gain	Mendelian Error
NAAR047-C10-01C08464		1116;7101	4,7	5 5q21.3	108,971,000	109,116,000	145,000	gain	Familial
NAAR047-C11-01C08465		7101;1116	10,5	5 5q21.3	108,971,000	109,116,000	145,000	gain	Familial
NAAR047-E4-01C08484		7113	4	5 5q23.1	117,078,000	119,691,000	2,613,000	loss	Mendelian Error
NAAR073-A1-02C09714		2068;2068	3,4	6 6p25.3	150,610	1,478,110	1,327,500	gain	Familial
NAAR073-A3-02C09716		2068	2	6 6p25.3	150,610	1,478,110	1,327,500	gain	Familial
NAAR073-A4-02C09717		2068;2068	3,4	6 6p25.3	150,610	1,478,110	1,327,500	gain	Familial
NAAR052-F3-H10633		1041	3	6 6p25.31q6p25.21q	374,457	30,443,000	30,068,543	loss	Mendelian Error
NAAR055-A4-H10442		1066	4	6 6p25.21q6p25.11q	3,801,430	18,594,500	14,793,070	loss	Mendelian Error
NAAR078-A3-200305415		4075	100	6 6q21.31q6q22.11q	113,107,000	121,399,000	8,292,000	loss	Mendelian Error
NAAR078-A3-200305415		4075	100	6 6q22.311q6q22.3.1	122,787,000	130,388,000	7,601,000	loss	Mendelian Error
NAAR078-A3-200305415		4075	100	6 6q24.21q6q24.3.1	144,964,000	148,228,000	3,264,000	loss	Mendelian Error
NAAR052-G9-H11097		1047	4	6 6q26	163,090,000	163,493,000	403,000	gain	Familial
NAAR017-C4-H12209		1047	102	6 6q26	163,493,000	163,493,000	1,000	gain	Familial
NAAR064-A8-H11697		1284	8	6 6q261q6q27	164,166,000	165,792,000	1,626,000	loss	Mendelian Error
NAAR072-C7-H13275		1411	202	7 7q21.31q7p21.21q	11,819,700	16,715,900	4,896,200	gain	Familial
NAAR072-A5-H13244		1411	302	7 7q21.31q7p21.21q	12,246,800	17,334,000	5,087,200	gain	Familial
NAAR063-F2-H11522		1226	1	7 7q12.31q7p12.2	49,519,500	49,519,500	1,219,700	gain	Familial
NAAR063-F4-H11524		1226	6	7 7q12.31q7p12.2	49,519,500	50,046,900	527,400	gain	Familial
NAAR064-A2-H11684		1245	6	7 7q21.11	83,174,700	84,701,800	1,527,100	loss	Familial
NAAR064-A4-H11686		1245	9	7 7q21.11	83,174,700	85,227,400	2,052,700	loss	Familial, Mendelian Error
NAAR061-A6-H10130		1010	4	7 7q31.32	120,844,000	121,741,000	897,000	loss	Familial
NAAR061-A5-H10128		1010	5	7 7q31.32	121,543,000	122,291,000	748,000	loss	Familial, Mendelian Error
NAAR052-E3-H10085	1065;7103	1261	4,5	7 7q36.1	149,576,500	149,708,000	133,000	loss	Mendelian Error
NAAR063-C5-H11372		1261	5	8 8p23.2	3,909,530	3,910,100	1,000	gain	Familial
NAAR067-A8-H12741		1261	8	8 8p23.2	3,909,530	3,909,710	1,000	gain	Familial
NAAR054-C1-H10191	7052;1017		3,3	8 8p23.2	4,473,850	4,949,310	475,460	gain	Familial
NAAR054-B12-H10189	1017;7052		2,1	8 8p23.2	4,881,960	4,949,310	67,350	gain	Familial
NAAR007-E6-8175-201		8175	201	8 8p23.1	8,160,870	11,422,100	3,261,230	loss	Mendelian Error
NAAR041-F5-00C03537		2029	2	8 8p22	13,570,600	14,168,200	597,600	gain	Familial
NAAR041-G2-00C04611		2029	3	8 8p22	13,570,600	14,168,200	597,600	gain	Familial
NAAR050-H5-H12533		1356	302	9 9q24.3	239,391	559,992	320,601	gain	Familial
NAAR064-F6-H12067		1305	3	9 9q24.31q9p24.21q	239,391	33,916,500	33,677,109	gain	Familial
NAAR064-F8-H12081		1305	2	9 9q24.3	239,391	1,599,250	1,359,859	gain	Familial
NAAR069-C1-H12941		1356	201	9 9q24.3	239,391	559,992	320,601	gain	Familial
NAAR074-A9-04C35688		5134	2	9 9q24.3	239,391	1,599,250	1,359,859	gain	Familial
NAAR074-G7-04C35931		5134	4	9 9q24.3	239,391	1,599,250	1,359,859	gain	Familial
NAAR041-F10-00C04574		9032	4	9 9q23	11,611,200	12,277,900	666,700	loss	Familial, Mendelian Error
NAAR041-F12-00C04583		9032	2	9 9q23	11,611,200	12,277,900	666,700	loss	Familial
NAAR002-G12-8045-101		1008;8045	1,101	9 9q23	12,010,900	12,277,900	267,000	loss	Familial
NAAR052-H6-H11012		1183	3	9 9q23	12,010,900	12,277,900	267,000	loss	Mendelian Error
NAAR071-H9-H11766	1008;8045		1,101	9 9q23	12,010,900	12,277,900	267,000	loss	Familial
NAAR017-E6-H12334		1302	3	9 9p13.31q9p13.21q	34,733,600	80,821,100	46,087,500	gain	Mendelian Error
NAAR022-A8-3019.004		3019	4	9 9q21.121q9q21.1	70,619,600	70,908,800	289,200	loss	Familial, Mendelian Error
NAAR022-H7-3019.003		3019	3	9 9q21.121q9q21.1	70,619,600	70,908,800			

SCAN ID	Family ID	Invd ID	chr	cytband	start	stop	size	cnv (loss/gain)	Validation
NAAR035-C11-1014-C11-P1		3011	8	11 11p11.12	50,096,900	50,595,000	498,100	gain	Familial
NAAR056-C2-H0789		1203	4	11 11p11.12	50,096,900	50,595,000	498,100	gain	Familial
NAAR056-C4-H0801		1203	2	11 11p11.12	50,096,900	50,595,000	498,100	gain	Familial
NAAR068-F2-HI2862		1440	302	11 11p11.12	50,096,900	50,595,000	498,100	gain	Familial
NAAR022-B3-3011.002		3011	2	11 11p11.12	50,123,600	50,595,000	471,400	gain	Familial
NAAR074-C12-04C35700		5081	4	11 11p11.12	51,247,900	51,319,500	71,600	gain	Affy Nsp 250K
NAAR001-F11-8017-202		8017	202	11 11q14.1	77,603,900	77,613,800	9,900	loss	Mendelian Error
NAAR026-G7-3105.004		3105	4	11 11q22.3	103,005,000	103,045,000	40,000	loss	Mendelian Error
NAAR020-DE-H11175		1117	2	11 11q22.3	103,928,000	104,733,000	805,000	gain	Familial
NAAR063-B2-HI1189		1117	3	11 11q22.3	103,928,000	104,849,000	921,000	gain	Familial
NAAR063-B3-HI1190		1117	5	11 11q22.3	103,928,000	104,733,000	805,000	gain	Familial
NAAR043-D12-01C06058	2003.2003.7057.7057.1386.1386	1092	4,5;3;4;302;303	11 11q25	131,716,000	131,787,000	71,000	gain	Familial
NAAR052-B12-02C13222	2003.2003.7057.7057.1386.1386	1092	4,5;3;4;302;303	11 11q25	131,716,000	131,787,000	71,000	gain	Familial
NAAR066-D1-HI2798	7057.1386	5301	11 11q25	131,716,000	131,751,000	35,000	gain	Familial	
NAAR047-E2-01C08492		7113	1	12 12p11.23	27,470,200	27,495,700	25,500	gain	Familial
NAAR047-E5-01C08485		7113	3	12 12p11.23	27,470,200	27,495,700	25,500	gain	Familial
NAAR033-A8-3271.005		3271	5	12 12q12	36,506,000	36,727,000	221,000	loss	Familial
NAAR033-E7-3271.001		3271	1	12 12q12	36,506,000	36,727,000	221,000	loss	Familial
NAAR052-F6-HI0682		1092	4	12 12q24.121112q13	44,378,800	130,547,000	86,168,200	gain	Familial, Mendelian Error
NAAR033-F1-3258.001		3258	1	12 12q14.1	58,858,000	59,736,400	878,400	loss	Familial
NAAR033-G1-3258.004		3258	4	12 12q14.1	58,858,000	59,736,400	878,400	loss	Familial, Mendelian Error
NAAR055-G1-HI0683		1092	1	12 12q23.1112q23.1	97,294,200	100,120,000	2,915,800	gain	Familial
NAAR041-F10-00C04574		9032	4	13 13q12.12	22,502,100	23,692,300	1,190,200	gain	Familial
NAAR041-F9-00C04573		9032	1	13 13q12.12	22,502,100	23,692,300	1,190,200	gain	Familial
NAAR054-F3-HI0298		1154	3	13 13q14.2	47,048,100	47,569,100	521,000	gain	Familial
NAAR054-F4-HI0299		1154	4	13 13q14.2	47,048,100	47,569,100	521,000	gain	Familial
NAAR031-G7-3212.003		3212	3	13 13q21.311113q21	63,529,600	65,319,400	1,789,800	gain	Familial
NAAR031-A8-3212.005		3212	5	13 13q21.32	64,798,700	65,319,400	520,700	gain	Familial
NAAR044-C3-01C06329		7084	2	13 13q21.32	65,120,700	65,951,300	830,600	gain	Familial
NAAR044-C5-01C06331		7084	4	13 13q21.32	65,120,700	65,951,300	830,600	gain	Familial
NAAR045-G12-POS	3259.3078	1,2	13 13q31.1	83,604,500	85,823,600	2,219,100	gain	Familial	
NAAR055-G12-POS	3078.3259	2,1	13 13q31.1	83,604,500	85,823,600	2,219,100	gain	Familial	
NAAR060-G12-POS	3078.3259	2,1	13 13q31.1	83,604,500	85,823,600	2,219,100	gain	Familial	
NAAR029-F1-3156.002		3156	2	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR029-G1-3156.003		3156	3	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial
NAAR048-H1-02C09931	1276.2036	3,3	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial	
NAAR060-G12-POS	3078.3259	2,1	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial	
NAAR072-A5-HI3244	1411	302	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial	
NAAR072-A6-HI3245	1411	303	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial	
NAAR073-G11-04C35577	5036	6	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial	
NAAR076-F7-04C37159	6036	3	14 14q12	24,430,200	26,578,900	2,148,700	gain	Familial	
NAAR029-E1-3156.001	3156	1	14 14q12	24,835,400	26,578,900	1,743,500	gain	Familial	
NAAR030-G12-POS	3078.3259	2,1	14 14q12	24,835,400	26,578,900	1,743,500	gain	Familial	
NAAR052-DE-03C13914	1276.2036	1,1	14 14q12	24,835,400	26,578,900	1,743,500	gain	Familial	
NAAR024-B7-3064.003	3064	3	15 15q11.2115q12	21,490,300	25,698,400	4,208,100	gain	Familial, Affy Nsp 250K	
NAAR024-C7-3064.004	3064	4	15 15q11.2115q12	21,490,300	25,698,400	4,208,100	gain	Familial, Affy Nsp 250K	
NAAR065-EG-HI0302	1097	3	15 15q11.2115q12	21,490,300	25,698,400	4,208,100	gain	Familial, FISH, MLPA	
NAAR065-E7-HI0304	1097	4	15 15q11.2115q12	21,490,300	25,698,400	4,208,100	gain	Familial, FISH, MLPA	
NAAR024-A7-3064.002	3064	2	15 15q11.2115q12	21,885,600	25,698,400	3,812,800	gain	Familial	
NAAR046-F11-01C08067	7070.8044	6,201	15 15q11.2	21,885,600	22,083,700	198,100	loss	Mendelian Error	
NAAR078-A3-200305415	4075	100	15 15q22.1115q22.2	49,345,700	100,170,000	50,824,300	gain	Mendelian Error	
NAAR029-C8-3169.004	3169	4	16 16p13.2	8,241,130	8,435,410	194,280	gain	Familial	
NAAR036-DE-1014-DE-P2	3169	3	16 16p13.2	8,241,130	8,435,410	194,280	gain	Familial	
NAAR026-B4-3099.006	3099	6	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial, Mendelian Error	
NAAR026-C4-3099.007	3099	7	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial, Mendelian Error	
NAAR026-D4-3099.008	3099	8	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial, Mendelian Error	
NAAR001-D12-8012-111	8012	111	17 17p12	14,304,400	15,237,700	933,300	loss	Familial	
NAAR028-B4-3135.002	1058.3135	1,2	17 17p12	14,304,400	15,237,700	933,300	loss	Familial	
NAAR028-C4-3135.003	1058.3135	4,3	17 17p12	14,304,400	15,237,700	933,300	loss	Familial, Mendelian Error	
NAAR028-D4-3135.004	3135.1058	4,5	17 17p12	14,304,400	15,237,700	933,300	loss	Familial, Mendelian Error	
NAAR068-B11-HI1405	1263	4	17 17p12	14,304,400	15,237,700	933,300	gain	Familial	
NAAR068-B12-HI1404	1263	5	17 17p12	14,304,400	15,237,700	933,300	gain	Familial	
NAAR001-E1-8012-201	8012	201	17 17p12	14,432,900	15,237,700	804,800	loss	Familial, Mendelian Error	
NAAR003-A5-8047-202	8047	202	17 17q21.1117q25.1	33,248,900	76,399,500	43,150,600	gain	Mendelian Error	
NAAR067-D10-HI2765	1384	202	18 18p11.32	1,564,270	1,807,190	242,920	gain	Familial	
NAAR067-D12-HI2767	1384	301	18 18p11.32	1,564,270	1,964,310	400,040	gain	Familial	
NAAR076-D4-04C36611	5106	3	18 18p11.32	1,748,000	1,807,190	59,190	loss	Affy Nsp 250K	
NAAR022-A10-3023.004	3023	4	18 18p11.21118p11	10,741,600	11,601,400	859,800	gain	Familial	
NAAR022-G9-3023.002	3023	2	18 18p11.21118p11	10,741,600	11,601,400	859,800	gain	Familial	
NAAR022-H9-3023.003	3023	3	18 18p11.21118p11	10,741,600	11,601,400	859,800	gain	Familial	
NAAR031-A8-3212.005	3212	5	18 18q12.2	32,374,000	32,510,700	136,700	loss	Familial, Mendelian Error	
NAAR031-E7-3212.001	3212	1	18 18q12.2	32,374,000	32,510,700	136,700	loss	Familial	
NAAR027-G6-3121.002	3121	2	18 18q12.2118q12.2	34,993,000	35,619,700	626,700	loss	Familial	
NAAR036-B11-1014-B1-P2	3121	4	18 18q12.2118q12.2	34,993,000	35,619,700	626,700	loss	Familial, Mendelian Error	
NAAR030-C12-3198.001	3198	1	19 19p13.3119p13.3	3,542,590	15,912,900	12,370,310	gain	Familial	
NAAR030-D12-3198.002	3198	2	19 19p13.3119p13.3	3,542,590	16,332,900	12,790,310	gain	Familial	
NAAR037-C2-1014-C2-P3	3221	4	19 19q13.4119q13	56,275,700	63,437,700	7,162,000	gain	Familial	
NAAR037-C1-1014-C1-P3	3221	19	19q13.4119q13	56,763,300	63,437,700	6,674,400	gain	Familial	
NAAR041-G10-01C05471	7008	2	20 20p13	95,685	1,358,480	1,262,795	gain	Familial	
NAAR041-G7-01C05468	7008	4	20 20p13	95,685	691,220	595,535	gain	Familial	
NAAR017-C1-HI2201	1318	2	21 21q22.11	30,538,900	30,983,100	444,200	gain	Familial	
NAAR017-C2-HI2202	1318	3	21 21q22.11	30,538,900	30,983,100	444,200	gain	Familial	
NAAR063-B1-HI1183_2	1004	4	22 22q11.21	17,508,900	20,306,800	2,797,900	gain	Familial, FISH	
NAAR063-A10-HI1180	1004	2	22 22q11.21	18,008,700	19,774,000	1,765,300	gain	Familial, FISH	
NAAR053-F1-03C15328	2072	2	22 22q13.33	48,004,600	48,881,300	876,700	loss	Familial, Affy Nsp 250K	
NAAR072-F11-200501053	2072	1	22 22q13.33	48,004,600	48,881,300	876,700	loss	Familial, Affy Nsp 250K	

List of Validated CNVs in Filtered Analysis

SCAN ID	Family ID	Invd ID	chr	cytband	start	stop	size	cnv (loss/gain)	Validation
NAAR008-H10-8250-111	135918250		201111	1 1p36.2211p36.2	10,931,500	15,413,600	4,482,100	gain	Familial
NAAR051-F7-HI2612	825011359		1111201	1 1p36.2211p36.2	10,931,500	15,413,600	4,482,100	gain	Familial
NAAR047-C10-01C08464	1116197101		417	1 1p35.2	30,265,700	30,817,000	551,300	loss	Familial, Mendelian Error
NAAR047-C8-01C08462	1116197101		111	1 1p35.2	30,265,700	30,817,000	551,300	loss	Familial
NAAR060-G3-HI2323	710111116		111	1 1p35.2	30,265,700	30,896,500	630,800	loss	Familial
NAAR074-A7-04C35667	5116		5	1 1p31.3	60,389,500	61,350,000	960,500	gain	Familial
NAAR074-C3-04C35691	5116		1	1 1p31.3	60,629,100	61,350,000	720,900	gain	Familial
NAAR074-D1-04C35701	5116		4	1 1p31.3	60,629,100	61,3			

SCAN ID	Family ID	Invid ID	chr	cytoband	start	stop	size	cnv (loss/gain)	Validation
NAAR030-F9-3192.001		3192	1	3 p31.2.2	82,496,200	83,190,200	694,000	gain	Familial
NAAR037-A9-1014-A9-P3		3192	4	3 p31.2.2	82,496,200	83,190,200	694,000	loss	Familial, Mendelian Error
NAAR025-D4-3081.005		3081	5	3 q12.1	85,618,700	85,618,700	0	loss	Mendelian Error
NAAR072-G5-H10615		1023	8	3 q13.31	117,973,000	118,274,000	301,000	loss	Familial
NAARCP2-D11-H10615		1023	8	3 q13.31	117,973,000	118,274,000	301,000	loss	Familial
NAAR052-F6-H10682		1092	4	4 p16.31p16.21u	398,952	17,044,800	16,645,848	loss	Mendelian Error
NAAR062-H3-H1083		1218	3	4 p16.31p16.21u	398,952	6,790,030	6,391,078	loss	Mendelian Error
NAAR052-F6-H10682		1092	4	4 p16.321p15.3	18,188,800	23,734,300	5,545,500	gain	Mendelian Error
NAAR045-G12-POS	3259/3076	112	11	4 p15.21p15.1	27,420,500	28,639,200	1,218,700	gain	Familial
NAAR054-G12-POS	3078/3259	211	4	4 p15.1	28,022,000	31,238,500	3,216,500	gain	Familial
NAAR033-C1-3257.002		3257	2	4 q13.3	71,219,300	71,371,300	152,000	loss	Familial
NAAR033-E1-3257.005		3257	5	4 q13.3	71,219,300	71,371,300	152,000	loss	Familial, Mendelian Error
NAAR010-F6-8268-111		8268	111	4 q26	116,524,000	118,226,000	1,702,000	gain	Familial
NAAR010-F7-8268-201		8268	201	4 q26	117,347,000	118,226,000	879,000	gain	Familial
NAAR047-F7-01C0499		7126	1	4 q35.11q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR047-F6-01C08500		7126	4	4 q35.11q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR047-F9-01C08501		7126	3	4 q35.11q35.2	185,809,000	189,310,000	3,501,000	gain	Familial
NAAR062-D5-H10889		1088	3	4 q35.2	188,796,000	189,905,000	1,109,000	gain	Familial
NAAR062-D6-H10890		1088	4	4 q35.2	188,901,000	189,905,000	1,004,000	gain	Familial
NAAR062-D7-H10891		1088	5	4 q35.2	188,901,000	189,310,000	409,000	loss	Familial
NAAR027-C6-3120.003		3120	3	4 q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR027-D6-3120.004		3120	4	4 q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR027-E6-3120.005		3120	5	4 q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR070-H5-H13148		1420	302	4 q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR071-A5-H13159		1420	201	4 q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR071-A7-H13161		1420	303	4 q35.2	189,303,000	189,310,000	7,000	loss	Familial
NAAR023-D9-3046.001		3046	1	4 q35.2	189,670,000	190,118,000	448,000	loss	Familial
NAAR023-F9-3046.003		3046	3	4 q35.2	189,670,000	190,118,000	448,000	loss	Familial, Mendelian Error
NAAR062-D4-H10888		1088	2	4 q35.2	189,670,000	189,905,000	235,000	gain	Familial
NAAR073-E12-04C35554		5035	3	4 q35.2	189,670,000	190,118,000	448,000	gain	Familial
NAAR073-F2-04C35556		5035	4	4 q35.2	189,670,000	190,200,000	530,000	gain	Familial
NAAR073-H10-04C35587		5035	2	4 q35.2	189,670,000	190,118,000	448,000	gain	Familial
NAAR024-A12-3072.008		3072	8	4 q35.2	189,808,000	191,091,000	1,283,000	loss	Familial, Mendelian Error
NAAR024-B12-3072.009		3072	9	4 q35.2	189,808,000	191,091,000	1,283,000	loss	Familial, Mendelian Error
NAAR024-G11-3072.006		3072	6	4 q35.2	189,808,000	191,091,000	1,283,000	loss	Familial, Mendelian Error
NAAR041-G10-01C05471		7008	2	4 q35.2	190,013,000	191,091,000	1,078,000	loss	Familial
NAAR041-G7-01C05468		7008	4	4 q35.2	190,013,000	191,091,000	1,078,000	loss	Familial, Mendelian Error
NAAR003-A5-8047-202		8047	202	5 p15.331p15.31	1,677,530	8,438,300	6,760,950	loss	Familial, Mendelian Error
NAAR030-D12-3198.002		3198	2	5 p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR030-E12-3198.003		3198	3	5 p14.1	29,073,500	29,136,100	62,600	loss	Familial, Mendelian Error, Afly Nsp 250K
NAAR030-F12-3198.004		3198	4	5 p14.1	29,073,500	29,136,100	62,600	loss	Familial, Mendelian Error
NAAR031-A1-3198.005		3198	5	5 p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR050-H5-H12533		1356	302	5 p14.1	29,073,500	29,136,100	62,600	loss	Familial, Mendelian Error
NAAR069-C1-H12941		1356	201	5 p14.1	29,073,500	29,136,100	62,600	loss	Familial
NAAR062-A11-H10781		1172	4	5 p12.21p12.31t	62,596,000	179,796,000	117,200,000	gain	Mendelian Error
NAAR047-C10-01C08464	1116/0710	417	5	5 q23.1	108,371,000	109,116,000	745,000	gain	Familial
NAAR047-C11-01C08465	7101/1116	1045	5	5 q23.1	108,371,000	109,116,000	745,000	gain	Familial
NAAR047-E4-01C08484		7113	4	5 q23.1	117,078,000	119,691,000	2,613,000	loss	Mendelian Error
NAAR073-A1-02C09714		2068/12068	314	6 p25.3	150,610	1,478,110	1,327,500	gain	Familial
NAAR073-A3-02C09716		2068	2	6 p25.3	150,610	1,478,110	1,327,500	gain	Familial
NAAR052-F3-H10633		1041	3	6 p25.31p25.21t	374,457	30,443,000	30,068,543	loss	Mendelian Error
NAAR055-A4-H10442		1066	4	6 p25.21p25.11t	3,801,430	18,594,500	14,793,070	loss	Mendelian Error
NAAR078-A3-200305415		4075	100	6 p21.1p22.11p21	113,107,000	121,389,000	8,292,000	loss	Mendelian Error
NAAR078-A3-200305415		4075	100	6 p22.311p22.3	122,787,000	130,388,000	7,601,000	loss	Mendelian Error
NAAR078-A3-200305415		4075	100	6 p24.21p24.3	144,964,000	148,225,000	3,261,000	loss	Mendelian Error
NAAR052-G9-H11097		1047	4	6 p26	163,090,000	163,493,000	403,000	gain	Familial
NAAR017-C4-H12209		1047	8	6 p26	163,493,000	163,493,000	1,000	gain	Familial
NAAR064-A8-H11697		1284	102	6 p261p26q27	164,166,000	165,792,000	1,626,000	loss	Mendelian Error
NAAR063-F2-H11522		1226	7	7 p12.31p12.2	49,519,500	50,739,200	1,219,700	gain	Familial
NAAR063-F4-H11524		1226	6	7 p12.31p12.2	49,519,500	50,046,800	527,400	gain	Familial
NAAR064-A2-H11684		1245	6	7 q21.1	83,174,700	84,701,800	1,527,100	loss	Familial
NAAR064-A4-H11686		1245	9	7 q21.1	83,174,700	85,227,400	2,052,700	loss	Familial, Mendelian Error
NAAR061-A6-H10130		1010	4	7 q31.32	120,844,000	121,741,000	897,000	loss	Familial
NAAR061-A5-H10128		1010	5	7 q31.32	121,543,000	122,291,000	748,000	loss	Familial, Mendelian Error
NAAR057-103	1065/07103	415	7	7 q36.1	149,576,000	149,709,000	133,000	loss	Mendelian Error
NAAR063-C5-H13372		1261	5	8 p23.2	3,909,530	3,910,100	1,000	gain	Familial
NAAR067-A8-H12741		1261	8	8 p23.2	3,909,530	3,909,710	1,000	gain	Familial
NAAR054-C1-H10191	7052/11017	313	8	8 p23.2	4,473,850	4,949,310	475,460	gain	Familial
NAAR054-B12-H10189	1017/17052	211	8	8 p23.2	4,881,960	4,949,310	67,350	gain	Familial
NAAR007-E6-8175-201		8175	201	8 p23.1	8,160,870	11,422,100	3,261,230	loss	Mendelian Error
NAAR041-F5-00C03537		2029	2	8 p22	13,570,600	14,168,200	597,600	gain	Familial
NAAR041-G2-00C04611		2029	3	8 p22	13,570,600	14,168,200	597,600	gain	Familial
NAAR050-H5-H12533		1356	302	9 p24.3	239,391	559,992	320,601	gain	Familial
NAAR064-F6-H12067		1305	3	9 p24.31p24.21t	239,391	33,916,500	33,677,109	gain	Familial
NAAR064-F8-H12081		1305	2	9 p24.3	239,391	1,599,250	1,359,859	gain	Familial
NAAR069-C1-H12941		1356	201	9 p24.3	239,391	559,992	320,601	gain	Familial
NAAR041-F10-00C04574		9032	4	9 p23	11,611,200	12,277,900	666,700	loss	Familial, Mendelian Error
NAAR041-F12-00C04583		9032	2	9 p23	11,611,200	12,277,900	666,700	loss	Familial
NAAR002-G12-9045-101	1008/8045	11101	9	9 p23	12,010,900	12,277,900	267,000	loss	Familial
NAAR052-H6-H11012		1183	3	9 p23	12,010,900	12,277,900	267,000	loss	Familial, Mendelian Error
NAAR071-H9-H11766	1008/8045	11101	9	9 p23	12,010,900	12,277,900	267,000	loss	Familial
NAAR017-E6-H12334		1302	3	9 p13.31p13.21t	34,733,600	80,821,100	46,087,500	gain	Mendelian Error
NAAR022-A8-3019.004		3019	4	9 p21.121p21.1	70,619,600	70,908,800	289,200	loss	Familial, Mendelian Error
NAAR022-H7-3019.003		3019	3	9 p21.121p21.1	70,619,600	70,908,800	289,200	loss	Familial
NAAR017-E6-H12334		1302	3	9 p22.321p22.3	94,369,100	100,208,000	5,838,900	gain	Mendelian Error
NAAR065-E12-H10179		1129	2	10 p13	13,087,500	13,302,400	214,900	loss	Familial
NAAR065-F2-H10182		1129	4	10 p13	13,087,500	13,302,400	214,900	loss	Familial, Mendelian Error
NAAR060-A6-H12164		1335	2	10 q11.2211q11	49,217,200	51,475,300	2,258,100	gain	Familial
NAAR060-A7-H12165		1335	3	10 q11.2211q11	49,217,200	50,638,800	1,421,600	gain	Familial
NAAR060-A8-H12166		1335	4	10 q11.2211q11	49,217,200	50,638,800	1,421,600	gain	Familial
NAAR043-H10-01C08237		7089	3	10 q12.1	59,937,900	59,938,400	500	gain	Familial
NAAR030-F10-3194.001		3194	1	10 q12.1.3	68,424,900	68,552,100	127,200	gain	Familial
NAAR030-G10-3194.003		3194	3	10 q12.1.3	68,424,900	68,552,100	127,200	gain	Familial
NAAR076-G4-04C37169		5058	4	11 p14.3	21,709,100	21,709,300	1,000	gain	Familial
NAAR076-G5-04C37170		5058	3	11 p14.3	21,709,100	21,709,300	1,000	gain	Familial
NAAR022-E3-3011.005		3011	5	11 p11.12	49,879,900	50,595,000	715,100	gain	Familial
NAAR068-E10-H12858		1440	201	11 p11.12	49,879,900	50,418,400	538,500	gain	Familial
NAAR068-E11-H12859		1440	303	11 p11.12	49,879,900	50,595,000	715,100	gain	Familial
NAAR056-C2-H10799		1203	4	11 p11.12	50,096,900	50,595,000	498,100	gain	Familial
NAAR056-C4-H10801		1203	2	11 p11.12	50,096,900	50,595,000	498,100	gain	Familial
NAAR068-F2-H12862		1440	302	11 p11.12	50,096,900	50,595,000	498,100	gain	Familial
NAAR022-B3-3011.002		3011	2	11 p11.12	50,123,600	50,595,000	471,400	gain	Familial
NAAR074-C12-04C3570		5081	4	11 p11.12	51,247,900	51,319,500	71,600	gain	Afly Nsp 250K
NAAR001-F11-8017-202		8017	202	11 q14.1	77,603,900	77,613,800	9,900	loss	Mendelian Error
NAAR026-G7-3105.004		3105	4	11 q12.3	103,005,000	103,045,000	40,000	loss	Mendelian Error
NAAR020-D6-H11175		1117	2	11 q12.3	103,928,000	104,733,000	805,000	gain	Familial
NAAR063-B2-H11189		1117	3	11 q12.3	103,928,000	104,849,000	921,000	gain	Familial
NAAR063-B3-H1119									

SCAN ID	Family ID	Invd ID	chr	cytoband	start	stop	size	cnv (loss/gain)	Validation
NAAR054-F4-H10299		1154	4	13 13q14.2	47,048,100	47,569,100	521,000	gain	Familial
NAAR031-G7-3212.003		3212	3	13 13q21.31t113q21	63,529,600	65,319,400	1,789,800	gain	Familial
NAAR031-A8-3212.005		3212	5	13 13q21.32	64,798,700	65,319,400	520,700	gain	Familial
NAAR044-C3-01C06329		7084	2	13 13q21.32	65,120,700	65,951,300	830,600	gain	Familial
NAAR044-C5-01C06331		7084	4	13 13q21.32	65,120,700	65,951,300	830,600	gain	Familial
NAAR024-B7-3064.003		3064	3	15 15q11.2t115q12	21,490,300	25,698,400	4,208,100	gain	Familial, Affy Nsp 250K
NAAR024-C7-3064.004		3064	4	15 15q11.2t115q12	21,490,300	25,698,400	4,208,100	gain	Familial, Affy Nsp 250K
NAAR065-E6-H10302		1097	3	15 15q11.2t115q12	21,490,300	25,698,400	4,208,100	gain	Familial, FISH, MLPA
NAAR065-E7-H10304		1097	4	15 15q11.2t115q12	21,490,300	25,698,400	4,208,100	gain	Familial, FISH, MLPA
NAAR024-A7-3064.002		3064	2	15 15q11.2t115q12	21,885,600	25,698,400	3,812,800	gain	Familial
NAAR046-F11-01C08067	70706044		6t201	15 15q11.2	21,885,600	22,083,700	198,100	loss	Familial, Mendelian Error
NAAR078-A3-200305415		4075	100	15 15q22.1t15q22.1	49,345,700	100,170,000	50,824,300	gain	Familial, Mendelian Error
NAAR029-C8-3169.004		3169	4	16 16p13.2	8,241,130	8,435,410	194,280	gain	Familial
NAAR026-B4-3099.006		3099	6	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial, Mendelian Error
NAAR026-C4-3099.007		3099	7	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial, Mendelian Error
NAAR026-D4-3099.008		3099	8	16 16q21	60,141,700	61,581,600	1,439,900	loss	Familial, Mendelian Error
NAAR001-D12-8012-111		8012	111	17 17p12	14,304,400	15,237,700	933,300	loss	Familial
NAAR028-B4-3135.002	1058t3135		1t2	17 17p12	14,304,400	15,237,700	933,300	loss	Familial
NAAR028-C4-3135.003	1058t3135		4t3	17 17p12	14,304,400	15,237,700	933,300	loss	Familial, Mendelian Error
NAAR028-D4-3135.004	3135t1058		4t5	17 17p12	14,304,400	15,237,700	933,300	loss	Familial, Mendelian Error
NAAR068-B11-H11405		1263	4	17 17p12	14,304,400	15,237,700	933,300	gain	Familial
NAAR068-B12-H11404		1263	5	17 17p12	14,304,400	15,237,700	933,300	gain	Familial
NAAR001-E1-8012-201		8012	201	17 17p12	14,432,900	15,237,700	804,800	loss	Familial, Mendelian Error
NAAR003-A5-8047-202		8047	202	17 17q21.1t17q25.1	33,248,900	76,399,500	43,150,600	gain	Familial
NAAR076-D4-04C36611		5106	3	18 18p11.32	1,748,000	1,807,190	59,190	loss	Affy Nsp 250K
NAAR067-D10-H12765		1384	202	18 18p11.32	1,564,270	1,807,190	242,920	gain	Familial
NAAR067-D12-H12767		1384	301	18 18p11.32	1,564,270	1,964,310	400,040	gain	Familial
NAAR022-A10-3023.004		3023	4	18 18p11.2t118p11	10,741,600	11,601,400	859,800	gain	Familial
NAAR022-G9-3023.002		3023	2	18 18p11.2t118p11	10,741,600	11,601,400	859,800	gain	Familial
NAAR022-H9-3023.003		3023	3	18 18p11.2t118p11	10,741,600	11,601,400	859,800	gain	Familial
NAAR031-A8-3212.005		3212	5	18 18q12.2	32,374,000	32,510,700	136,700	loss	Familial, Mendelian Error
NAAR031-E7-3212.001		3212	1	18 18q12.2	32,374,000	32,510,700	136,700	loss	Familial
NAAR027-G6-3121.002		3121	2	18 18q12.2t118q12.1	34,993,000	35,619,700	626,700	loss	Familial
NAAR036-B11-1014-B11-P2		3121	4	18 18q12.2t118q12.1	34,993,000	35,619,700	626,700	loss	Familial, Mendelian Error
NAAR030-C12-3198.001		3198	1	19 19p13.3t19p13.1	3,542,590	15,912,900	12,370,310	gain	Familial
NAAR030-D12-3198.002		3198	2	19 19p13.3t19p13.1	3,542,590	16,332,900	12,790,310	gain	Familial
NAAR041-G10-01C05471		7008	2	20 20p13	95,685	1,358,480	1,262,795	gain	Familial
NAAR041-G7-01C05468		7008	4	20 20p13	95,685	691,220	595,535	gain	Familial
NAAR017-C1-H12201		1318	2	21 21q22.11	30,538,900	30,983,100	444,200	gain	Familial
NAAR017-C2-H12202		1318	3	21 21q22.11	30,538,900	30,983,100	444,200	gain	Familial
NAAR063-B1-H11183_2		1004	4	22 22q11.21	17,506,900	20,306,800	2,799,900	gain	Familial, FISH
NAAR063-A10-H11180		1004	2	22 22q11.21	18,008,700	19,774,000	1,765,300	gain	Familial, FISH
NAAR053-F1-03C15328		2072	2	22 22q13.33	48,004,600	48,881,300	876,700	loss	Familial, Mendelian Error, Affy Nsp 250K
NAAR072-F11-200501053		2072	1	22 22q13.33	48,004,600	48,881,300	876,700	loss	Familial, Affy Nsp 250K