

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

**Supplementary Table 3. Breakdown of CNVs in Affected Individuals.**

Supplementary Table 6: Breakdown of CNVs in Affected Individuals (NCBI Build 35)

CNVs Overlapping with Autsim Chromosomal Rearrangement Database									
Sample ID	CNV/sample	Chr	Start	Stop	Size	#SNPs/segment	CNV		
NAAR052-F6-HI0682		3	4	398,952	17,044,800	16,645,848	64	loss	
NAAR003-A5-8047-202		4	5	9,538,490	16,046,000	6,507,510	24	loss	
NAAR078-A3-200305415		9	6	104,688,000	112,813,000	8,125,000	29	gain	
NAAR059-G5-HI2100		1	7	87,837,300	89,132,500	1,295,200	6	gain	
NAAR062-H3-HI1083		2	8	1,130,900	6,780,950	5,650,050	32	loss	
NAAR002-B3-8026-204		2	15	21,490,300	22,083,700	593,400	9	gain	
NAAR024-B7-3064.003		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR024-C7-3064.004		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR039-C9-1021-C9-P3		2	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR039-E9-1012-F2-PA		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR065-E6-HI0302		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR065-E7-HI0304		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR015-C12-F-016-003		1	15	21,885,600	22,083,700	198,100	6	gain	
NAAR052-E6-HI0308		1	15	23,325,300	24,495,700	1,170,400	4	gain	
NAAR078-A3-200305415		9	15	49,345,700	100,170,000	50,824,300	190	gain	
NAAR055-A4-HI0442		2	15	74,290,400	100,170,000	25,879,600	104	gain	
NAAR030-C8-3183.007		1	22	17,506,900	19,774,000	2,267,100	4	loss	
NAAR063-B1-HI1183_2		2	22	17,506,900	20,306,800	2,799,900	5	gain	
Recurrent CNVs									
Sample ID	CNV/sample	Chr	Start	Stop	Size	#SNPs/segment	CNV		
NAAR007-D6-8172-202		1	1	143,780,000	144,894,000	1,114,000	7	gain	
NAAR048-G5-02C09922		1	1	143,780,000	144,894,000	1,114,000	7	gain	
NAAR007-D5-8172-201		1	1	143,780,000	144,894,000	1,114,000	7	gain	
NAAR003-F10-8064-201		1	2	88,993,300	88,993,400	100	2	loss	
NAAR003-A5-8047-202		4	2	88,993,300	88,993,400	100	2	loss	
NAAR025-D4-3081.005		1	3	85,618,700	85,619,200	500	3	loss	
NAAR078-D11-R-001-017		1	3	85,618,700	85,619,200	500	3	loss	
NAAR027-C6-3120.003		1	4	189,303,000	189,310,000	7,000	3	loss	
NAAR071-A7-HI3161		1	4	189,303,000	189,310,000	7,000	3	loss	
NAAR056-B12-HI0790		1	4	189,303,000	189,310,000	7,000	3	loss	
NAAR070-H5-HI3148		1	4	189,303,000	189,310,000	7,000	3	loss	
NAAR007-A6-8156-201		1	4	189,303,000	189,310,000	7,000	3	loss	
NAAR027-D6-3120.004		1	4	189,303,000	189,310,000	7,000	3	loss	
NAAR030-F12-3198.004		2	5	29,073,500	29,136,100	62,600	4	loss	
NAAR050-H5-HI2533		2	5	29,073,500	29,136,100	62,600	4	loss	
NAAR030-E12-3198.003		1	5	29,073,500	29,136,100	62,600	4	loss	
NAAR046-D1-01C08018		1	5	75,136,400	75,136,700	300	3	loss	
NAAR031-G8-3214.004		1	5	75,136,400	75,136,700	300	3	loss	
NAAR069-F6-HI2662		2	8	142,072,000	142,072,000	0	2	gain	
NAAR077-C8-04C37826		1	8	142,072,000	142,072,000	0	2	gain	
NAAR027-A12-3129.004		1	9	239,391	1,599,250	1,359,859	8	gain	
NAAR065-B12-HI2269		3	9	239,391	1,599,250	1,359,859	8	gain	
NAAR069-H9-04C29142		3	9	38,017,600	38,288,600	271,000	4	gain	
NAAR037-A9-1014-A9-P3		3	9	38,017,600	38,288,600	271,000	4	gain	
NAAR057-F1-HI1281		2	10	92,008,800	93,008,000	999,200	7	gain	
NAAR047-H1-02C09502		8	10	92,008,800	93,008,000	999,200	7	gain	
NAAR076-G5-04C37170		1	11	21,709,100	21,709,300	200	3	gain	
NAAR076-G4-04C37169		1	11	21,709,100	21,709,300	200	3	gain	
NAAR056-C2-HI0799		1	11	50,096,900	50,595,000	498,100	6	gain	
NAAR068-F2-HI2862		2	11	50,096,900	50,595,000	498,100	6	gain	
NAAR001-A9-8002-202		7	11	50,418,000	50,595,000	177,000	3	loss	
NAAR020-F12-HI1566		3	11	50,418,000	50,595,000	177,000	3	loss	
NAAR051-G1-HI2618		1	13	22,502,100	23,692,300	1,190,200	9	gain	
NAAR041-F10-00C04574		2	13	22,502,100	23,692,300	1,190,200	9	gain	
NAAR036-E10-1014-E10-P2		3	14	21,305,700	21,719,200	413,500	9	gain	
NAAR038-D6-1015-D6-P1		1	14	21,305,700	21,719,200	413,500	9	gain	
NAAR065-E7-HI0304		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR065-E6-HI0302		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR024-B7-3064.003		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR039-E9-1012-F2-PA		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR024-C7-3064.004		1	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR039-C9-1021-C9-P3		2	15	21,490,300	25,698,400	4,208,100	18	gain	
NAAR036-E10-1014-E10-P2		3	18	18,307,400	18,529,700	222,300	4	gain	
NAAR050-H11-HI2539		2	18	18,307,400	18,529,700	222,300	4	gain	
NAAR058-D6-HI1540		6	18	18,307,400	18,529,700	222,300	4	gain	
NAAR072-F11-200501053		3	22	48004600	48881300	876700	4	loss	
NAAR053-F1-03C15328		1	22	48004600	48881300	876700	4	loss	

Overlapping CNVs								
Sample ID	CNV/sample	Chr	Start	Stop	Size	#SNPs/segment	CNV	
NAAR074-A7-04C35667		5	1	60,389,500	61,350,000	960,500	6	gain
NAAR074-D1-04C35701		1	1	60,629,100	61,350,000	720,900	5	gain
NAAR025-E10-3090.002		1	1	143,780,000	144,479,000	699,000	6	gain
NAAR006-A3-8125-201		6	1	158,901,000	159,090,000	189,000	6	gain
NAAR069-H9-04C29142		3	1	158,901,000	159,599,000	698,000	7	gain
NAAR043-F6-01C06146		1	2	1,725,230	1,743,780	18,550	3	gain
NAAR043-F7-01C06147		1	2	1,725,230	1,743,780	18,550	3	gain
NAAR006-A3-8125-201		6	2	184,270,000	186,428,000	2,158,000	11	gain
NAAR006-A4-8125-202		1	2	184,623,000	186,428,000	1,805,000	9	gain
NAAR057-F1-HI1281		2	2	185,302,000	186,892,000	1,590,000	8	gain
NAAR007-F6-8177-202		3	3	157,517,000	159,424,000	1,907,000	10	gain
NAAR064-F12-HI2093		5	3	157,517,000	158,701,000	1,184,000	7	gain
NAAR046-F3-01C08055		2	4	182,216,000	188,232,000	6,016,000	27	gain
NAAR031-C8-3213.002		1	4	182,703,000	182,703,000	0	3	gain
NAAR047-F8-01C08500		1	4	185,809,000	189,310,000	3,501,000	17	gain
NAAR047-F9-01C08501		1	4	185,809,000	189,310,000	3,501,000	17	gain
NAAR062-D6-HI0890		1	4	188,901,000	189,905,000	1,004,000	9	gain
NAAR062-D7-HI0891		1	4	188,901,000	189,310,000	409,000	4	loss
NAAR023-F9-3046.003		1	4	189,670,000	190,118,000	448,000	7	loss
NAAR073-E12-04C35554		1	4	189,670,000	190,118,000	448,000	7	gain
NAAR073-F2-04C35556		1	4	189,670,000	190,200,000	530,000	8	gain
NAAR024-A12-3072.008		1	4	189,808,000	191,091,000	1,283,000	12	loss
NAAR041-G7-01C05468		2	4	190,013,000	191,091,000	1,078,000	8	loss
NAAR046-F3-01C08055		2	4	190,013,000	191,091,000	1,078,000	8	gain
NAAR003-D6-8056-201		1	5	39,448,600	39,469,900	21,300	2	gain
NAAR055-A4-HI0442		2	6	3,801,430	18,594,500	14,793,070	67	loss
NAAR041-A2-99C00465		4	6	77,520,700	78,789,900	1,269,200	8	gain
NAAR066-F1-HI2710		2	6	78,060,300	79,324,200	1,263,900	9	gain
NAAR041-A2-99C00465		4	6	104,688,000	105,059,000	371,000	5	gain
NAAR078-A3-200305415		9	6	104,688,000	112,813,000	8,125,000	29	gain
NAAR010-G1-8269-202		2	6	165,016,000	165,037,000	21,000	3	loss
NAAR078-A3-200305415		9	6	165,016,000	167,022,000	2,006,000	13	loss
NAAR064-H2-HI2133		1	7	12,577,400	12,826,100	248,700	5	gain
NAAR064-E5-HI1947		1	8	3,909,530	4,949,310	1,039,780	12	gain
NAAR067-A8-HI2741		2	8	3,909,530	3,909,710	180	2	gain
NAAR006-F6-8145-201		2	8	4,473,850	5,900,610	1,426,760	13	gain
NAAR052-F3-HI0633		2	8	104,786,000	142,072,000	37,286,000	139	gain
NAAR035-G1-1014-G1-P1		1	8	134,743,000	134,743,000	0	2	gain
NAAR050-H5-HI2533		2	9	239,391	559,992	320,601	5	gain
NAAR064-F6-HI2067		3	9	239,391	33,916,500	33,677,109	213	gain
NAAR041-F10-00C04574		2	9	11,611,200	12,277,900	666,700	10	loss
NAAR065-B12-HI2269		3	9	11,611,200	14,481,300	2,870,100	31	gain
NAAR052-H6-HI1012		1	9	12,010,900	12,277,900	267,000	6	loss
NAAR065-B12-HI2269		3	9	28,114,200	31,349,900	3,235,700	11	gain
NAAR046-H2-01C08084		4	9	111,481,000	111,802,000	321,000	6	gain
NAAR030-G10-3194.003		1	10	68,424,900	68,552,100	127,200	6	gain
NAAR077-E7-05C39675		6	10	92,152,400	93,008,000	856,600	5	gain
NAAR050-H11-HI2539		2	10	127,758,000	127,758,000	0	3	gain
NAAR068-E11-HI2859		2	11	49,879,900	50,595,000	715,100	7	gain
NAAR057-E5-HI1258		1	11	113,502,000	134,403,000	20,901,000	95	gain
NAARCP2-A7-S-082-003		1	11	133,403,000	134,403,000	1,000,000	5	gain
NAAR035-E11-1014-E11-P1		1	11	134,083,000	134,403,000	320,000	4	gain
NAAR024-E10-3070.004		1	11	134,394,000	134,403,000	9,000	3	gain
NAAR060-C5-HI2203		1	12	93,683	130,547,000	130,453,317	476	gain
NAAR047-E5-01C08485		1	12	27,470,200	27,495,700	25,500	3	gain
NAAR028-D6-3139.003		1	12	36,491,900	37,417,300	925,400	12	gain
NAAR001-A9-8002-202		7	12	36,506,000	37,162,800	656,800	10	loss
NAAR004-B12-8080-201		2	12	36,506,000	36,697,300	191,300	7	loss
NAAR020-F12-HI1566		3	12	36,694,800	36,697,300	2,500	3	loss
NAAR052-F6-HI0682		3	12	44,378,800	130,547,000	86,168,200	321	gain
NAAR028-C3-3133.003		1	12	128,620,000	128,999,000	379,000	4	gain
NAAR054-F3-HI0298		1	13	47,048,100	47,569,100	521,000	8	gain
NAAR054-F4-HI0299		1	13	47,048,100	47,569,100	521,000	8	gain
NAAR031-G7-3212.003		1	13	63,529,600	65,319,400	1,789,800	9	gain
NAAR044-C5-01C06331		1	13	65,120,700	65,951,300	830,600	5	gain
NAAR002-B3-8026-204		2	15	21,490,300	22,083,700	593,400	9	gain
NAAR015-C12-F-016-003		1	15	21,885,600	22,083,700	198,100	6	gain
NAAR052-E6-HI0308		1	15	23,325,300	24,495,700	1,170,400	4	gain
NAAR078-A3-200305415		9	15	49,345,700	100,170,000	50,824,300	190	gain
NAAR007-C5-8168-202		1	15	57,930,400	58,146,000	215,600	4	gain
NAAR055-A4-HI0442		2	15	74,290,400	100,170,000	25,879,600	104	gain
NAAR075-E1-04C36221		2	16	7,668,760	8,435,410	766,650	8	gain
NAAR029-C8-3169.004		1	16	8,241,130	8,435,410	194,280	5	gain
NAAR045-A5-01C06730		3	16	56,228,100	56,409,200	181,100	6	gain
NAAR026-C4-3099.007		1	16	60,141,700	61,581,600	1,439,900	7	loss
NAAR026-D4-3099.008		1	16	60,141,700	61,581,600	1,439,900	7	loss
NAAR045-A5-01C06730		3	17	14,691,500	15,108,700	417,200	4	gain
NAAR022-A10-3023.004		1	18	10,741,600	11,601,400	859,800	7	gain
NAAR022-H9-3023.003		1	18	10,741,600	11,601,400	859,800	7	gain

De novo CNVs							
Sample ID	CNV/sample	Chr	Start	Stop	Size	#SNPs/segment	CNV
NAAR061-A5-HI0128	1	7	121543000	122291000	748000	4	loss
NAAR054-F3-HI0298	1	13	47048100	47569100	521000	8	gain
NAAR054-F4-HI0299	1	13	47048100	47569100	521000	8	gain
NAAR067-A8-HI2741	1	8	3909530	3909710	180	2	gain
NAAR068-B12-HI1404	1	17	14304400	15237700	933300	10	gain
NAAR022-H7-3019.003	1	9	70619600	70908800	289200	7	loss
NAAR026-C4-3099.007	1	16	60141700	61581600	1439900	7	loss
NAAR026-D4-3099.008	1	16	60141700	61581600	1439900	7	loss
NAAR027-C6-3120.003	1	4	189303000	189310000	7000	3	loss
NAAR027-D6-3120.004	1	4	189303000	189310000	7000	3	loss