

Supplemental Table 1. Diagnostic information for affected subjects in families supporting significant (chr15) or suggestive (chr 2, 7, 13) linkage peaks.

Linkage peak	N supporting pedigrees	N affected	Male: Female (% male)	ASD: Autism (% ASD)	IQ>70 (%)	Lang Delay (%)	Mean ADI Domain Scores (SD)			
							Social	Verbal	Non-verbal	Restr/Repet
15q13.1-q14	5	20	15:5 (75.0%)	6:14 (30.0%)	12/18 (66.67%)	12/18 (66.67%)	17.9 (8.5; N=18)	13.3 (5.4; N=15)	13.0 (1.0; N=3)	5.9 (3.0; N=18)
15q14-q21.1	6	29	23:6 (79.3%)	9:20 (31.0%)	15/23 (65.22%)	16/24 (66.67%)	18.5 (8.1; N=27)	14.4 (5.3; N=23)	13.3 (1.0; N=4)	6.1 (3.0; N=27)
15q21.2-q22.1	9	51	42:9 (82.4%)	13:38 (25.49%)	24/44 (54.55%)	31/42 (73.81%)	18.5 (7.7; N=47)	15.1 (5.5; N=41)	13.5 (0.8; N=6)	6.2 (2.7; N=47)
2p25.3-p24.1	4	23	20:3 (87.0%)	<b>1:22 (4.35%)</b>	17/22 (77.27%)	15/22 (68.18%)	19.4 (7.3; N=22)	15.1 (4.6; N=20)	14.0 (0.0; N=2)	6.4 (2.5; N=22)
7q31.31-q32.3	5	25	22:3 (88.0%)	4:21 (16.0%)	13/20 (65.0%)	13/21 (61.9%)	18.7 (7.1; N=24)	15.1 (4.5; N=22)	14.0 (0.0; N=2)	6.2 (2.3; N=24)
13q12.1-1-q12.3	4	19	17:2 (89.5%)	3:16 (15.79%)	8/18 (44.44%)	14/18 (77.78%)	17.7 (7.5; N=18)	15.7 (6.2; N=17)	14.0 (N=1)	6.1 (2.2; N=18)
<b>All affected subjects</b>	70	192	162:30 (84.4%)	52:140 (27.08%)	112/172 (65.12%)	116/166 (69.88%)	19.7 (7.2; N=166)	15.5 (5.7; N=137)	12.4 (2.2; N=29)	6.4 (2.7; N=166)

Note. Affected subjects in families supporting the chromosome 2 linkage peak had significantly fewer subjects with ASD than the full sample (Fishers exact test p=0.02). No other phenotypic characteristic was significantly different from the full sample.