

Supplementary Table S1. Haplotypes with respect to selected SNP and microsatellite markers at the candidate loci. Affected subjects are highlighted in yellow and disease haplotypes are highlighted in gray. In family 2, the father's haplotypes are deduced.

Family 1

Marker	Position (Mb)	Individual			
		401 AS	405 AS	407 AS	409 AS
Locus 4p16.2-4p15.32					
rs4689888	4.56	A B	A B	A B	A B
rs6446663	4.57	A A	A A	A A	A A
rs10005569	4.72	B B	B B	B B	B B
rs2968690	4.90	B B	B B	B B	B B
rs7692195	5.06	A A	A A	A A	A A
rs13128441	5.16	A A	A A	A A	A A
rs7669364	5.28	A A	A A	A A	A A
rs2654508	5.42	B B	B B	B B	B B
rs13138291	5.55	A A	A A	A A	A A
rs2276877	5.85	B B	B B	B B	B B
rs4398594	6.15	A A	A A	A A	A A
rs4689393	6.28	B B	B B	B B	B B
rs9291117	6.447	B B	B B	B B	B B
rs17779675	6.449	A B	B B	B B	B B
rs1574131	8.04	B A	A A	A A	A A
rs2014303	10.58	A B	B B	B B	B B
rs10029959	12.57	B A	A A	A A	A A
rs10939485	13.53	B B	A A	A A	A B
rs4698300	14.86	B A	B B	B B	B A
rs7359	16.16	A B	A A	A A	A B
rs2597749	17.47	A B	A A	A A	A B
rs1568228	18.75	B A	B B	B B	B A
rs1400931	18.75	A B	B A	B A	B B
Locus 7q22.1					
rs4729320	96.55	A B	A B	B B	A B
rs4727353	96.56	A A	A A	A B	A A
rs11973256	97.09	B B	B B	B A	B B
rs10085387	97.38	B B	B B	B A	B B
rs11772060	97.78	A A	A A	A B	A A
rs4729475	98.31	A A	A A	A B	A A
rs4236541	98.83	B B	B B	B A	B B
rs10274646	98.83	A A	A A	A A	A A
rs12705058	98.93	B B	B B	B B	B B
rs952319	99.17	B B	B B	B B	B B
rs10249369	99.24	A A	A A	A A	A A
rs776746	99.27	B B	B B	B B	B B
rs28365067	99.27	A A	A A	B A	A A
rs4646437	99.36	A A	A A	B A	A A
rs472660	99.46	B B	B B	A B	B B
rs6967487	99.60	A B	A B	A A	A B
Locus 5p15.31					
rs186893	8.47	A B	A B	B B	B B
rs180503	8.47	A A	A A	A A	A A
rs284422	8.52	B B	B B	B B	B B

D17S559	4.76	3	2	3	1	3	3	3	3	3	3	2	3
D17S1854	5.66	2	2	2	1	2	2	2	2	2	2	2	2
D17S1832	5.97	3	1	3	2	3	3	3	3	3	3	1	3
D17S1881	6.52	2	1	2	1	2	2	2	2	2	2	1	2
D17S906	6.69	1	2	1	2	1	1	1	1	1	1	2	1
rs2654189	7.17	B	A	B	A	B	B	B	B	B	B	A	B
rs3744405	7.19	A	A	B	A	A	B	A	B	A	B	A	B
D17S960	7.25	1	2	2	1	1	2	1	2	1	2	2	2
D17S720	7.69	3	4	2	1	3	2	3	2	3	2	4	2
Locus 14p11.1-14q11.2													
rs8010057	23.50	A	A	B	B	A	B	A	B	A	B	A	B
rs10143875	23.58	A	B	A	B	A	A	A	A	A	A	B	A
D14S581	24.29	1	2	1	2	1	1	1	1	1	1	2	1
D14S64	24.56	3	2	3	1	3	3	3	3	3	3	2	3
D14S264	25.28	2	1	2	1	2	2	2	2	2	2	1	2
rs17278202	26.33	B	A	B	B	B	B	B	B	B	B	A	B
rs2332572	26.34	A	B	A	A	B	A	A	A	A	A	B	A
rs12894029	27.61	B	A	B	A	A	B	B	B	B	B	A	B
rs10142324	28.64	A	B	A	B	B	A	A	A	A	A	B	A
rs4141682	29.20	B	A	B	A	A	B	B	B	B	B	A	B
rs8018346	29.80	B	A	B	A	A	B	B	B	B	B	A	B
rs1952267	29.88	B	A	A	B	A	A	B	A	B	A	A	A
Locus 7q36.2													
rs4621714	153.35	A	A	B	A	A	B	A	B	A	B	A	B
rs4629774	153.37	A	B	A	A	A	A	A	A	A	A	B	A
rs1558300	153.39	B	A	B	A	B	B	B	B	B	B	A	B
rs10487688	153.60	B	A	B	A	B	B	B	B	B	B	A	B
rs6973850	153.63	A	B	A	B	A	A	A	A	A	A	B	A
rs1860218	153.64	A	A	A	B	A	A	A	A	A	A	A	A
rs10229774	153.65	B	B	A	B	B	A	B	A	B	A	B	A

Abbreviations: F, father; M, mother, AS, affected son; US, unaffected son. Alleles A and B are for SNPs and alleles 1–4 are for microsatellites.