

Supplemental Table 1. Summary statistics of the exome sequencing results

Sample No.	Sample yield (Mb)	Total reads (M)	Map reads (M)	Map Reads rate(%)	CCDS Map Bases (Mb)	CCDS Map Bases Rate(%)	CCDS coverage (Mb)	CCDS coverage (%)	mean depth	median depth
IV10	10514	129.02	128.51	99.60	3129	29.8	31.49	98.0	97	74
IV11	10780	131.88	131.42	99.65	2576	23.9	31.39	97.0	80	61
III6	11533	140.05	139.53	99.62	3287	28.5	31.51	98.0	102	77

Supplemental Table 2. Reported Linkage regions for IS.

Chromosomal Region	OMIM Locus	Flanking Loci	References
3p11.1-3q13.2		D3S3690(3p11.1)-D3S3045(3q13.12)	[1]
5q13-5q14		D5S2851(5q13.2)-D5S1397(5q14.1)	[1]
6p		D6S1051(6p21.2)-D6S1017(6p21.1)	[2]
8q12.1-q12.2	IS3	D8S1113(8q12.1)-D8S1136(8q13.1)	[3]
9q31.2-q34.2	IS4	D9S930(9q32)-D9S1818(9q34.2)	[4]
10q		D10S1222-D10S212(10q26.3)	[2]
12p13.3		D12S1608(12p13.33)-D12S1674(12p13.2)	[5]
17p11.2	IS2	D17S947(17p12)-D17S798(17q11.2)	[6]
17q25.3	IS5	D17S1806(17q25.3)-17qtel	[4]
18q		D18S1357(18q21.32)-D18S1371(18q23)	[2]
19p13.3	IS1	D19S894(19p13.3)-D19S1034(19p13.3)	[7,8]
Xq23-26		rs1009560(Xq23)-DXS1047(Xq26.1)	[9]

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