

Supplementary Table S2. Genotyping assay performance by study design and region of origin.

Study Site	Marker	Success	MAF	HWE	Study Site	Marker	Success	MAF	HWE		
Family-based association study					Family-based association study (continued)						
Gambia	rs5491*	99.8%	0.221	0.62	Kenya	rs5490	97.0%	0.299	0.65		
	rs5498*	99.8%	0.115	0.72		rs5030340	98.3%	0.064	0.24		
	rs5490	96.4%	0.241	0.99		rs5030344	99.7%	0.019	0.76		
	rs5030340	97.4%	0.046	0.81		rs5030351	98.9%	0.325	0.71		
	rs5030344	99.8%	0.050	0.03		rs5491	96.6%	0.323	0.65		
	rs5030351	97.1%	0.211	0.68		rs281432	98.4%	0.278	0.43		
	rs281432	94.6%	0.261	0.36		rs5496	97.9%	0.058	0.77		
	rs5496	98.9%	0.116	0.21		rs5498	98.4%	0.142	0.42		
	rs3093030	94.1%	0.074	0.97		rs3093030	99.4%	0.065	0.29		
	rs281438	96.4%	0.465	0.56		rs281438	99.0%	0.444	0.42		
	rs2569693	78.1%	0.069	0.92		rs2569693	97.7%	0.054	0.40		
	rs281439	96.0%	0.413	0.33		rs281439	98.9%	0.332	0.14		
	rs281440	95.9%	0.321	0.26		rs281440	94.7%	0.339	0.63		
	rs2075741	99.0%	0.140	0.65		rs2075741	99.9%	0.132	0.26		
	rs11575074	98.1%	0.082	0.59		rs11575074	99.6%	0.123	0.36		
	Malawi	rs5490	97.9%	0.256		0.70	Population-based association study				
		rs5030340	99.0%	0.082		0.67	Gambia	rs5491	99.3%	0.196	0.77
rs5030344		99.4%	0.045	0.48	rs5498	99.5%		0.110	0.82		
rs5030351		98.5%	0.260	0.80	Malawi	rs5491	99.6%	0.296	0.51		
rs5491		100.0%	0.258	0.77		rs5498	98.8%	0.149	0.37		
rs281432		98.7%	0.217	0.36	Kenya	rs5491	99.1%	0.284	0.14		
rs5496		98.8%	0.076	0.23		rs5498	99.4%	0.134	0.76		
rs5498		100.0%	0.129	0.66							
rs3093030		99.1%	0.038	0.55							
rs281438		98.4%	0.470	0.04							
rs2569693		94.2%	0.023	0.74							
rs281439		98.7%	0.401	0.75							
rs281440		90.1%	0.334	0.88							
rs2075741		99.1%	0.100	0.10							
rs11575074		97.6%	0.129	0.74							

NOTE.- HWE=Chi-squared test for Hardy-Weinberg equilibrium in controls, or Z-test for Hardy-Weinberg equilibrium in untransmitted parental alleles treated as a diploid genotype. Success = percentage of samples (cases, controls or parents) successfully genotyped for each marker. MAF = minor allele frequency. * Results for 1320 Gambian trios, rest of Gambian family results represent those from 612 trios.