

**Supplementary Table 1**  
**Results for Haplotype HHRR Analysis**

SNPs	Haplotype	Transmitted		Nontransmitted		P <sub>global</sub>	P <sub>individual</sub> <sup>#</sup>	OR*
		Count	Frequency	Count	Frequency			
rs737865-rs4633	1-1	13.01	0.1288	33	0.3267	0.0041	6.86e-4	0.32
	1-2	60.99	0.6039	44	0.4356		0.0166	1.12
	2-1	25.99	0.2573	21	0.2079		0.4078	1
	2-2	1.008	0.0099	3	0.0297		0.3102	0.27
rs737865-rs4680	1-1	14.01	0.1387	34	0.3366	0.0048	8.36e-4	0.33
	1-2	59.99	0.5940	43	0.4257		0.0167	1.13
	2-1	25.99	0.2573	21	0.2079		0.4080	1
	2-2	1.009	0.0099	3	0.0297		0.3107	0.27
rs737865-rs165599	1-1	62	0.6526	50	0.5263	0.0311	0.0763	1.34
	1-2	10	0.1053	25	0.2632		0.0044	0.43
	2-1	12	0.1263	13	0.1368		0.8300	1
	2-2	11	0.1158	7	0.0736		0.3199	1.70
rs4633-rs4680	1-1	40	0.3883	55	0.5340	0.0357	0.0357	1*
	1-2	0	0	0	0		1	1
	2-1	0	0	0	0		1	1
	2-2	63	0.6117	48	0.4660		0.0357	1.81
rs4633-rs165599	1-1	21.19	0.2140	23	0.2323	0.1082	0.7511	1
	1-2	15.81	0.1597	29	0.2929		0.0244	0.59
	2-1	52.81	0.5334	40	0.4040		0.0665	1.43
	2-2	9.189	0.0928	7	0.07071		0.5753	1.43
rs4680-rs165599	1-1	22.2	0.2242	24	0.2424	0.1062	0.7560	1
	1-2	15.8	0.1596	29	0.2929		0.0243	0.59
	2-1	51.8	0.5232	39	0.3939		0.0662	1.44
	2-2	9.2	0.0929	7	0.0707		0.5738	1.42
Rs737865-rs4633-rs165599	1-1-1	10	0.1075	13	0.1398	5.69e-4	0.5035	0.70
	1-1-2	1	0.0107	18	0.1935		6.84e-6	0.05
	1-2-1	50	0.5376	35	0.3763		0.0269	1.30
	1-2-2	9	0.0967	7	0.0752		0.6005	1.17
	2-1-1	11	0.1183	10	0.1075		0.8167	1
	2-1-2	11	0.1183	7	0.0752		0.3194	1.43
	2-2-1	1	0.0107	3	0.0322		0.3013	0.30
rs737865-rs4680-rs165599	1-1-1	11	0.1183	14	0.1505	5.61e-4	0.5186	0.71
	1-1-2	1	0.0107	18	0.1935		6.84e-6	0.05
	1-2-1	49	0.5269	34	0.3656		0.0266	1.31
	1-2-2	9	0.0967	7	0.0752		0.6005	1.17
	2-1-1	11	0.1183	10	0.1075		0.8167	1
	2-1-2	11	0.1183	7	0.0752		0.3194	1.43
	2-2-1	1	0.0107	3	0.0322		0.3013	0.30
rs4633-rs4680-rs165599	1-1-1	21.19	0.2141	23	0.2323	0.1909	0.7515	1
	1-1-2	15.81	0.1597	29	0.2929		0.0243	0.59
	2-1-1	1	0.0101	1	0.0101		1	1.09
	2-2-1	51.81	0.5233	39	0.3939		0.0661	1.44
	2-2-2	9.192	0.0928	7	0.0707		0.5748	1.43
rs737865-rs4633-rs4680-rs165599	1-1-1-1	10	0.1075	13	0.1398	0.0012	0.5035	0.70
	1-1-1-2	1	0.0107	18	0.1935		6.84e-6	0.05
	1-2-1-1	1	0.0107	1	0.0107		1	0.91
	1-2-2-1	49	0.5269	34	0.3656		0.0266	1.31
	1-2-2-2	9	0.0967	7	0.0752		0.6005	1.17
	2-1-1-1	11	0.1183	10	0.1075		0.8167	1
	2-1-1-2	11	0.1183	7	0.0752		0.3194	1.43
	2-2-2-1	1	0.0107	3	0.0322		0.3013	0.30

<sup>#</sup>P<sub>individual</sub> = significance of individual haplotypes obtained by grouping all others together.

\*OR = odds ratio compared to the reference haplotype which has OR=1.