

**Suppl Table IV.** Haplotype frequencies estimation

	rs1544410	rs11568820	rs2228570	rs7975232	rs731236	Total	Control group	Case group	Cumulative frequency
1	G	C	G	C	A	0.2184	0.1873	0.2266	0.2184
2	A	C	G	A	G	0.1804	0.2101	0.1704	0.3988
3	G	C	A	C	A	0.1381	0.1542	0.1363	0.5369
4	A	C	A	A	G	0.0903	0.0918	0.0894	0.6272
5	G	T	G	C	A	0.068	0.1137	0.0556	0.6952
6	G	C	G	A	A	0.056	0.0489	0.0583	0.7512
7	A	T	G	A	G	0.0557	0.0488	0.0582	0.8069
8	A	T	A	A	G	0.0512	0.0487	0.0533	0.8581
9	G	C	A	A	A	0.0337	0.0327	0.0325	0.8919
10	G	T	A	C	A	0.0252	0	0.0293	0.9171
11	G	T	G	A	A	0.0187	0.0186	0.0185	0.9358
12	G	T	A	A	A	0.0116	0.0216	0.0104	0.9474
13	G	C	G	A	G	0.0074	NA	0.0097	0.9540
14	A	C	G	C	A	0.0074	0.0026	0.0081	0.9621
15	A	C	G	A	A	0.0071	NA	0.0099	0.9692
16	A	C	A	C	A	0.0052	NA	0.0069	0.9743
17	G	T	G	A	G	0.0047	NA	0.0056	0.9791
18	A	T	G	A	A	0.0045	0.0077	0.0034	0.9836
19	G	T	A	A	G	0.0029	0.0047	0.003	0.9865
20	A	C	A	C	G	0.0023	NA	0.0031	0.9888
21	G	C	A	A	G	0.0023	NA	0.0026	0.9911
22	A	T	G	C	A	0.0023	NA	0.0042	0.9934
23	A	C	A	A	A	0.0021	0.006	0.0017	0.9955
24	A	T	A	C	A	0.0019	0.0025	0.0013	0.9975
25	A	T	A	C	G	0.0013	NA	0.0017	0.9988
26	A	T	A	A	A	0.0012	0	0	1
27	A	T	G	C	G	0	NA	NA	1

NA – not available.