

Chr	Males p-value		Females p-value	
	Mixed model	Adjusted model	Mixed model	Adjusted model
1	ns	ns	ns	ns
2	ns	ns	ns	ns
3	ns	ns	** 0.005648	ns
4	ns	ns	ns	ns
5	* 0.0476	ns	** 0.006067	ns
6	ns	ns	** 0.002188	ns
7	ns	ns	ns	ns
8	ns	ns	** 0.000868	ns
9	ns	ns	ns	ns
10	ns	ns	ns	ns
11	ns	ns	ns	ns
12	* 0.0452	* 0.0400	** 0.000738	ns
13	** 0.00149	** 0.00582	ns	ns
14	ns	ns	ns	ns
15	ns	ns	** 0.00114	ns
16	** 0.00872	ns	** 0.00391	* 0.0262
17	* 0.0189	ns	ns	ns
18	ns	ns	ns	ns
19	** 0.00750	* 0.0294	* 0.0251	ns
20	ns	ns	* 0.04965	ns
21	ns	ns	* 0.02196	* 0.0272
22	ns	ns	ns	ns