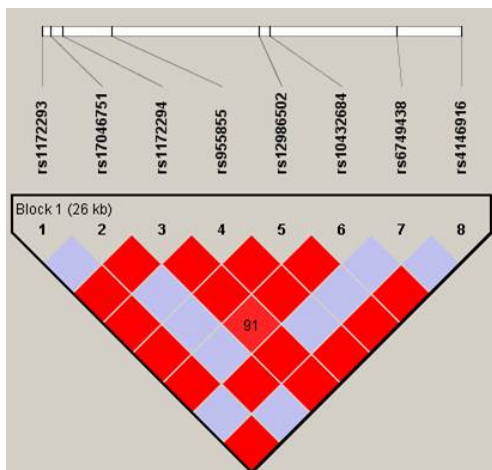


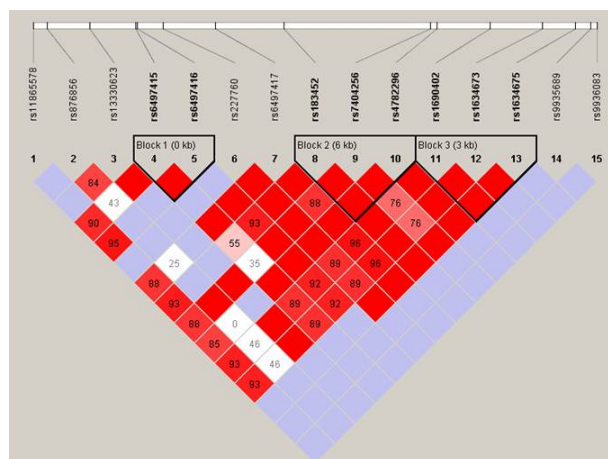
Supplementary Table 1: LD and MAF information for Gene RBG and GPRC5B. The LD is the average R^2 value between the corresponding SNP and the rest SNPs in the same gene.

Gene RBG			Gene GPRC5B		
SNP	LD (avg R^2)	MAF	SNP	LD (avg R^2)	MAF
1	0.588	0.115	1	0.186	0.146
2	0.159	0.062	2	0.05	0.066
3	0.126	0.482	3	0.065	0.044
4	0.588	0.115	4	0.194	0.195
5	0.588	0.115	5	0.197	0.143
6	0.565	0.119	6	0.136	0.159
7	0.159	0.062	7	0.259	0.46
8	0.588	0.115	8	0.262	0.336
			9	0.23	0.482
			10	0.206	0.371
			11	0.285	0.394
			12	0.285	0.394
			13	0.138	0.155
			14	0	0.004
			15	0	0.005

Supplementary Figure 1. LD pattern of the two genes: Gene RBJ and Gene GPRC5B



Gene RBJ



Gene GPRC5B