

Table 3. Results of single SNPs association analyses for serum 25-OHD₃ levels

Covariates					r	P1	β(SE)	P2
Genes	SNP	Allele	MAF	HWE				
GC	rs222020	T/C	0.338	0.86	0.080	0.001		
GC	rs2298849	A/G	0.324	0.55	0.095	<0.001	0.105(0.029)	<0.001
CYP2R1	rs12794714	G/A	0.373	0.87	-0.010	0.353		
CYP2R1	rs10741657	G/A	0.396	0.96	-0.007	0.387		
CYP2R1	rs1562902	T/C	0.435	0.83	-0.016	0.272		
CYP2R1	rs10766197	G/A	0.371	0.51	-0.014	0.296		
Age					-0.074	0.002	-0.006(0.002)	0.003
Season					0.079	0.001	0.127(0.039)	0.001

Serum 25-OHD₃ levels were square-root transformed to approximate normality. Bold numbers represent significant *P* values. Allele: major allele/minor allele; MAF: minor allele frequency; HWE: *P* values for Hardy-Weinberg Equilibrium test; *r*: Pearson correlation coefficient; *P1*: *P* value of Pearson correlation; β : regression coefficient; SE: standard error; *P2*: *P* value of general linear regression.