

Supplementary Table SI. SNPs for Mendelian randomization analyses

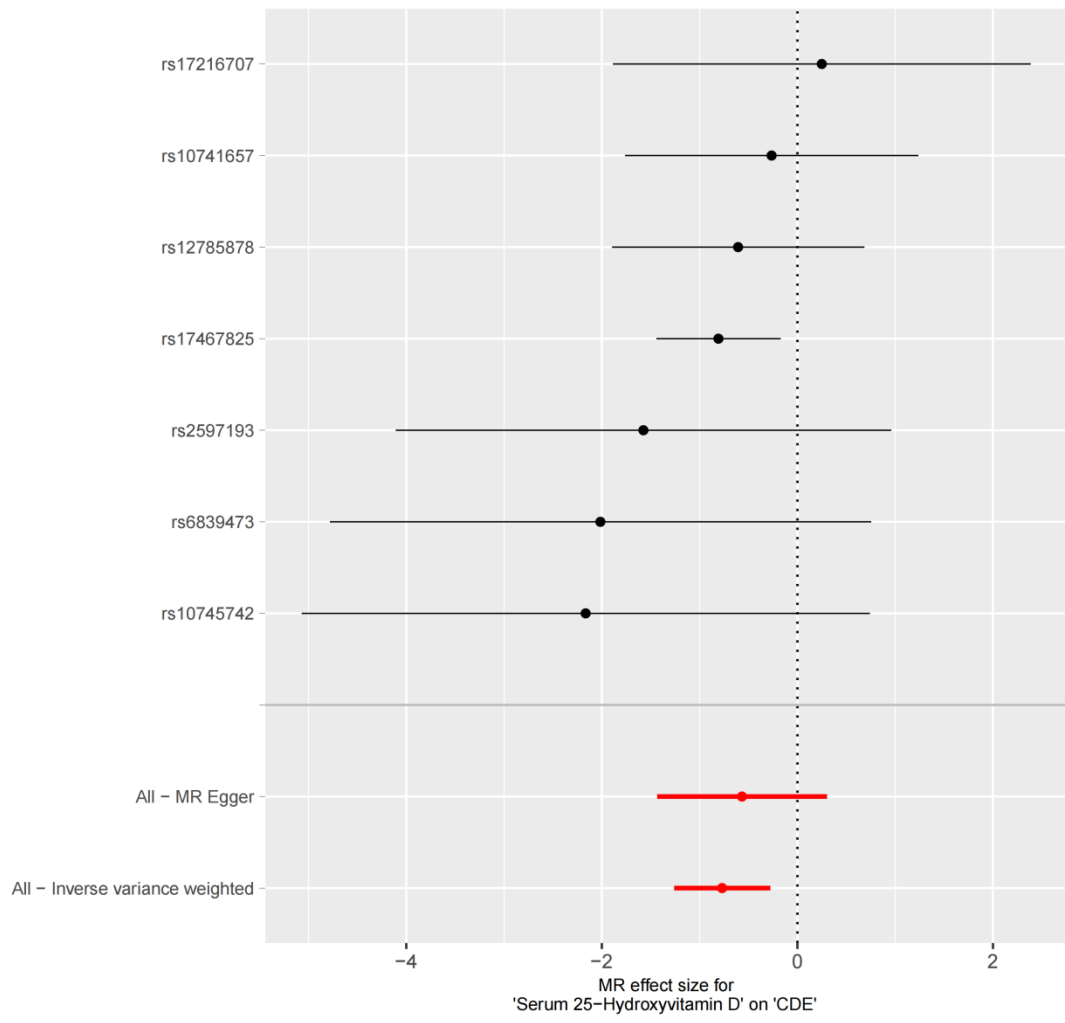
SNP	other_allele.exposure	effect_allele.exposure	beta.exposure	pval.exposure	se.exposure	samplesize.exposure	F	R2
rs17467825	A	G	-0.0902	1.00E-200	0.0024	79366	1412.506944	0.017486606
rs6839473	G	A	0.0174	1.79E-15	0.0022	79366	62.55371901	0.000787567
rs2597193	G	A	0.0187	6.26E-17	0.0022	79366	72.25	0.000909534
rs10741657	A	G	-0.0308	2.05E-46	0.0022	79366	196	0.00246355
rs12785878	G	T	0.0363	3.81E-62	0.0022	79366	272.25	0.003418669
rs10745742	C	T	0.0165	1.88E-14	0.0022	79366	56.25	0.000708258
rs17216707	T	C	-0.0263	8.14E-23	0.0027	79366	94.88203018	0.001194102

SNP-single nucleotide polymorphisms.

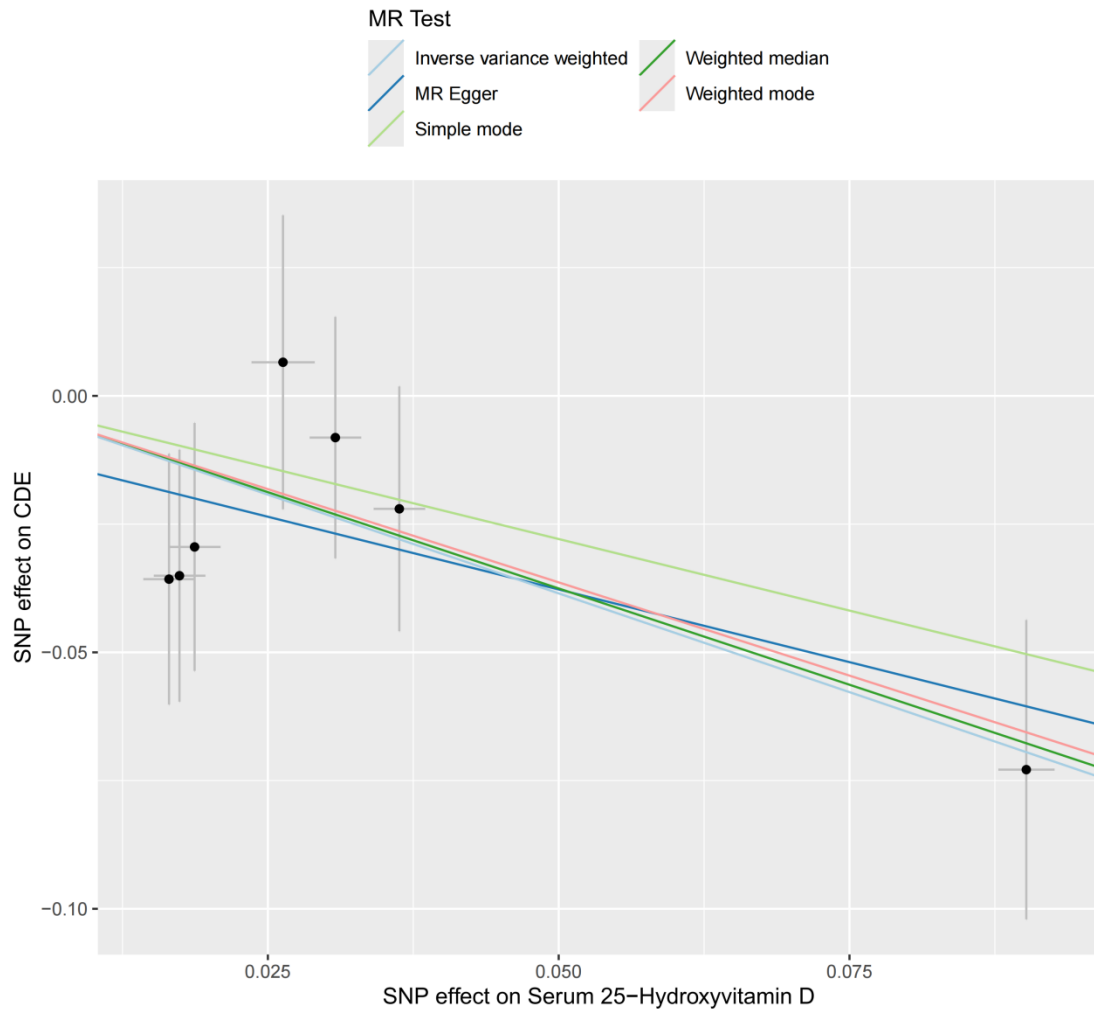
Supplementary Table SII. Steiger test for serum 25-Hydroxyvitamin D levels and CDE

Exposure	SNP_r2. exposure	SNP_r2. outcome	Direction	Steiger P-value
serumv25-Hydroxyvitamin D levels	2.739×10^{-2}	3.386×10^{-5}	TRUE	<0.001

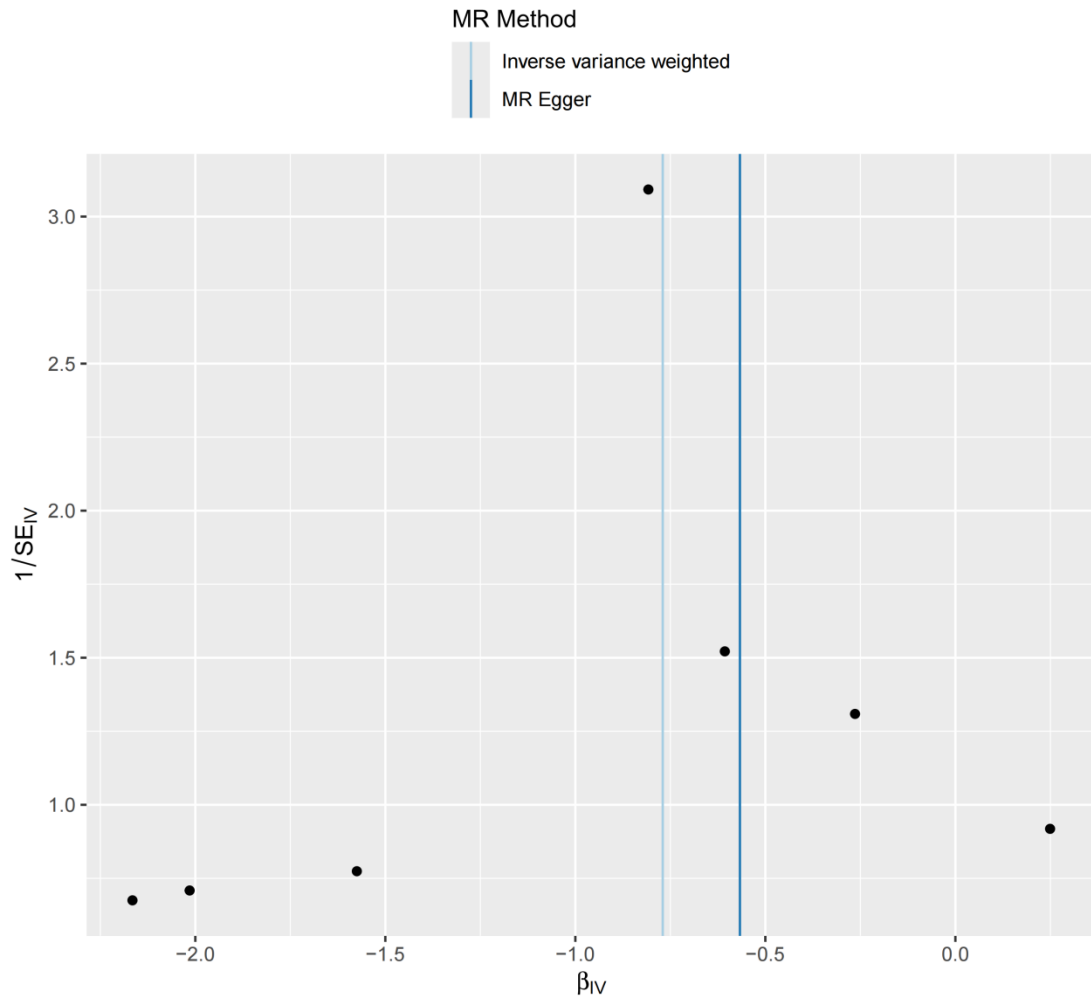
SNP-single nucleotide polymorphisms.



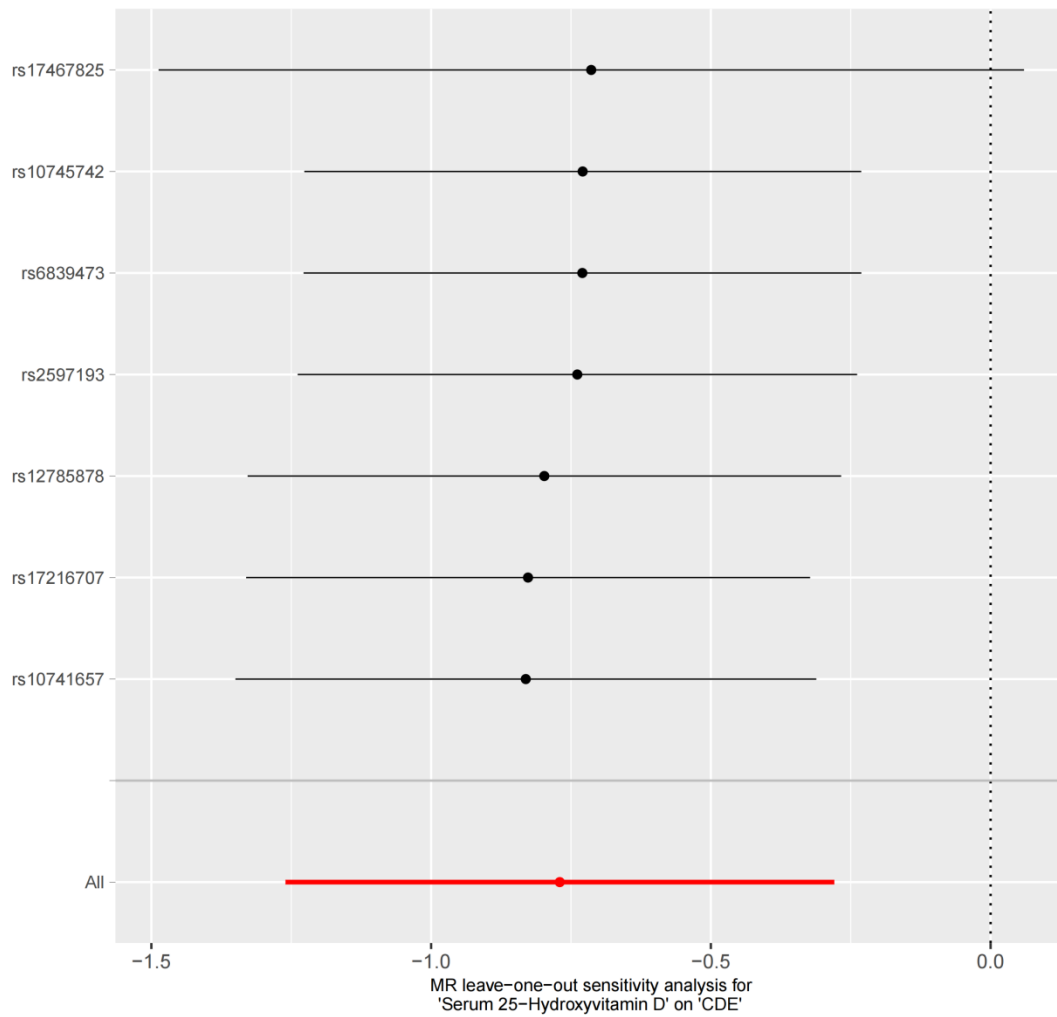
Supplementary Figure S1. Forest plot of Mendelian randomization. MR-Mendelian randomization, CDE-*Clostridioides difficile*-induced enteritis



Supplementary Figure S2. Scatter plot of Mendelian randomization. SNP-single nucleotide polymorphisms, MR-Mendelian randomization, CDE-*Clostridioides difficile*-induced enteritis



Supplementary Figure S3. Funnel plot of Mendelian randomization. MR-Mendelian randomization



Supplementary Figure S4. Leaveoneout of Mendelian randomization. CDE-*Clostridioides difficile*-induced enteritis