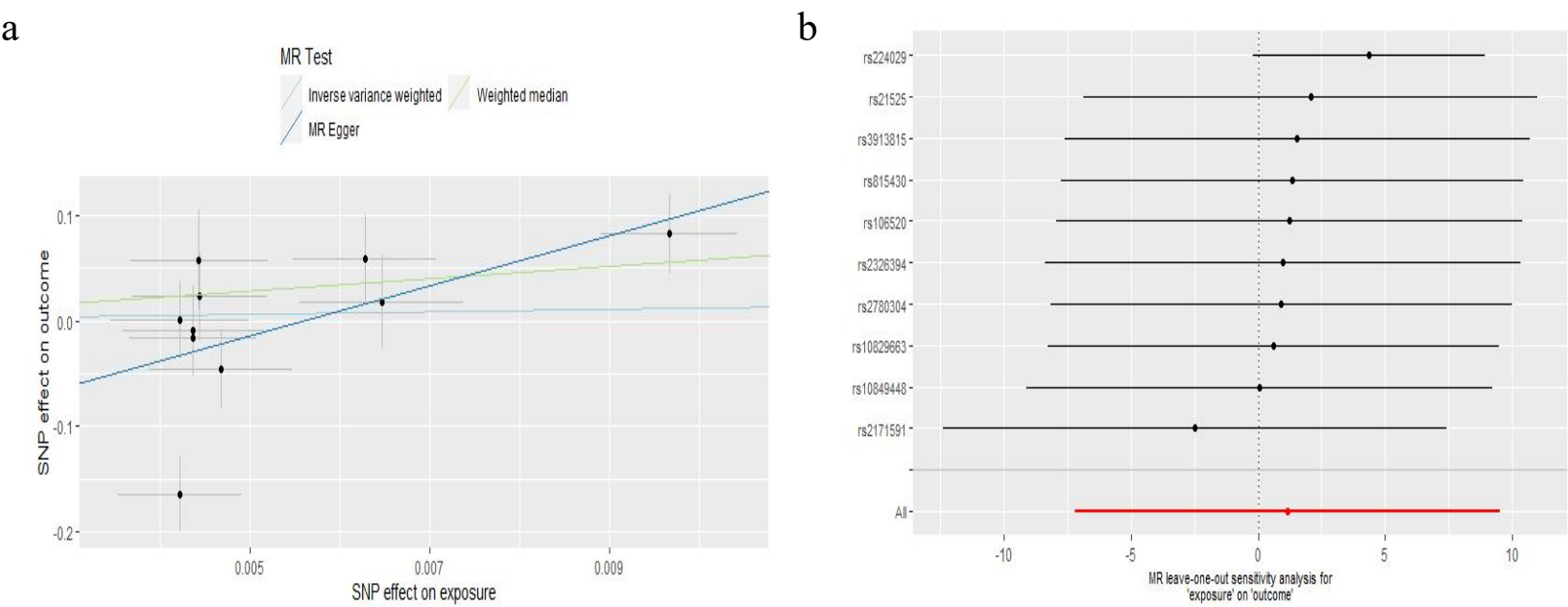


Supplementary Material

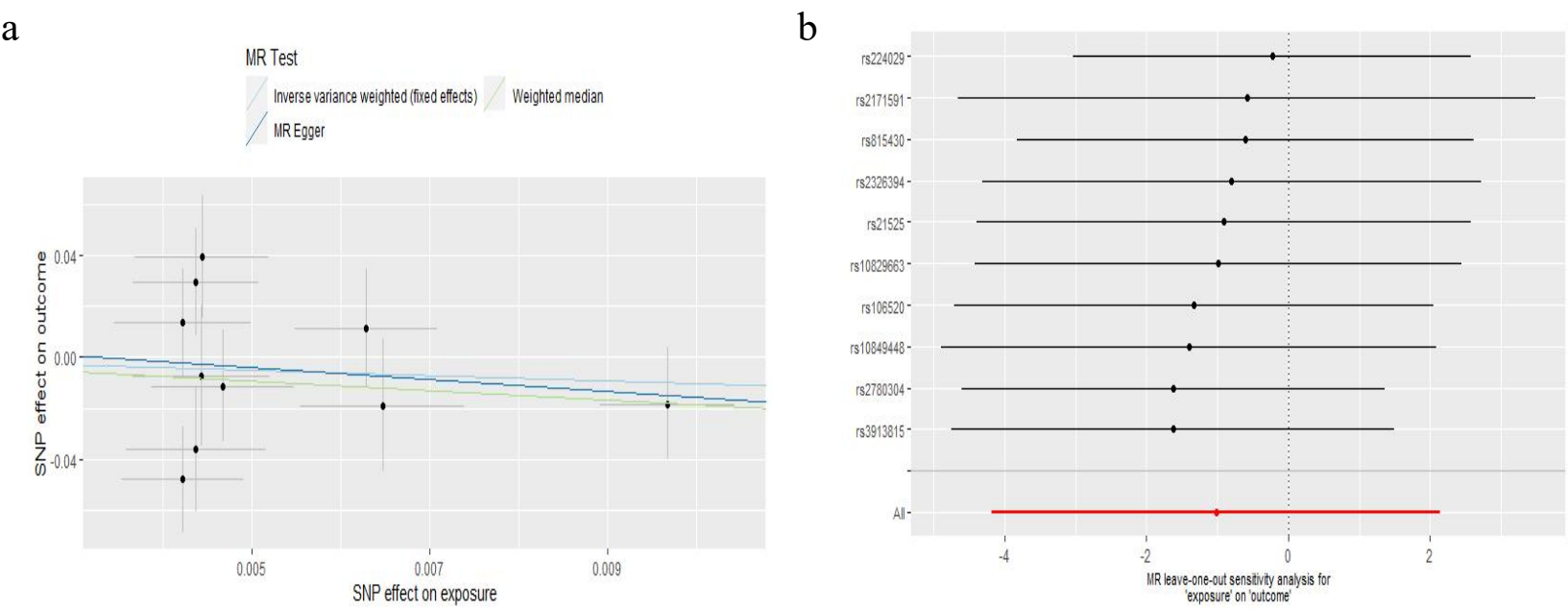
Supplementary Table 1. Characteristics of SNPs included in the two-sample Mendelian randomization analysis.

SNP	Chr	Positon	Gene	EA	OA	EAF	Beta	SE	P-value	F-statistic
rs106520	3	124657806	KALRN	A	G	0.260463	-0.00422395	0.0007694	4.02E-08	11.61122742
rs10829663	10	129945867	EBF3	G	A	0.262555	-0.00443209	0.000766008	7.21E-09	12.9640513
rs10849448	12	6384185	LTBR	G	A	0.752388	0.0062818	0.000797656	3.40E-15	23.11001809
rs21525	7	35362768	TBX20	A	G	0.230799	-0.00467538	0.000800251	5.15E-09	12.11977705
rs2171591	4	110798252	PITX2	A	G	0.270536	0.00966978	0.000758098	2.91E-37	64.22435924
rs224029	10	62759539	ADO	C	T	0.600547	0.00421938	0.000687318	8.31E-10	18.08171484
rs2326394	16	84810005	CRISPLD2	G	A	0.838245	0.00646664	0.00091534	1.61E-12	13.5351162
rs2780304	14	36039877	BRMS1L	A	C	0.287262	0.00443811	0.000751501	3.51E-09	14.28192046
rs3913815	4	111884814	C4orf32	T	A	0.648107	0.00436834	0.000706387	6.25E-10	17.4441292
rs815430	3	55706505	ERC2	T	C	0.752643	-0.00436979	0.000784303	2.52E-08	11.55860906

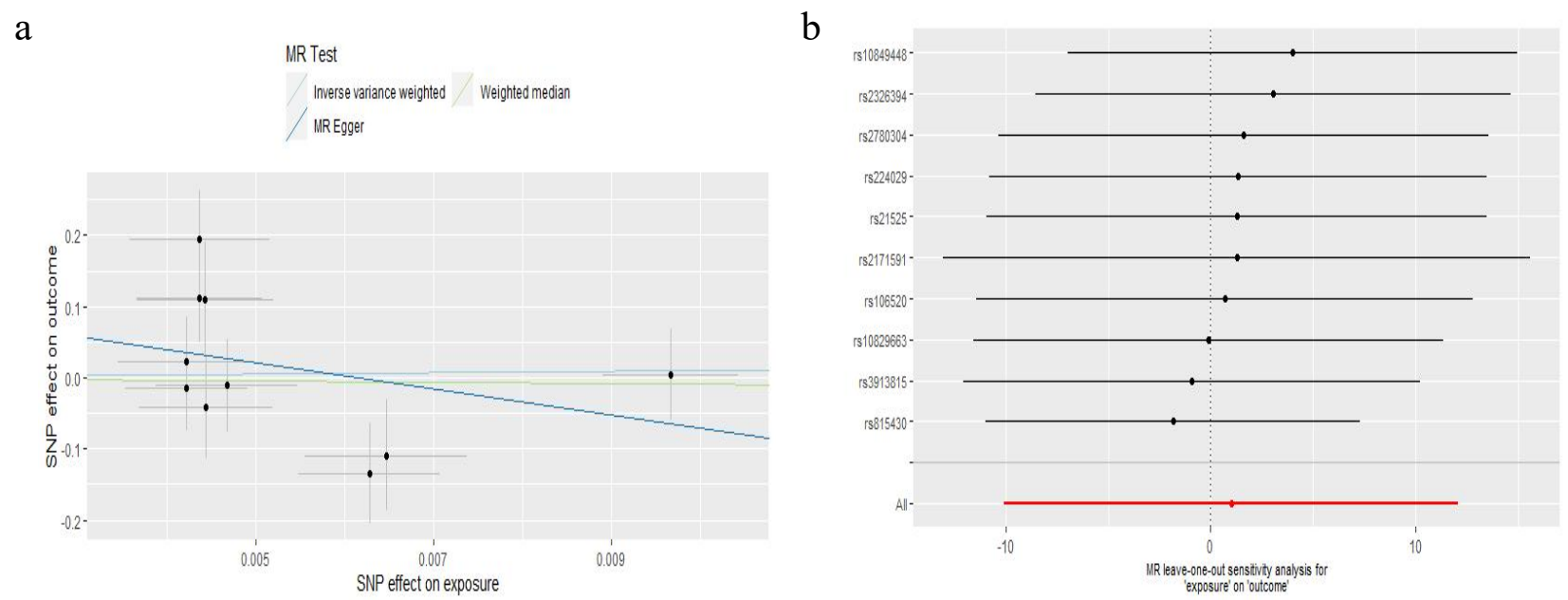
SNP, single-nucleotide polymorphism; Chr, Chromosome; EA, Effect allele; OA, Other allele; EAF, Effect allele frequency; SE, Standard error.



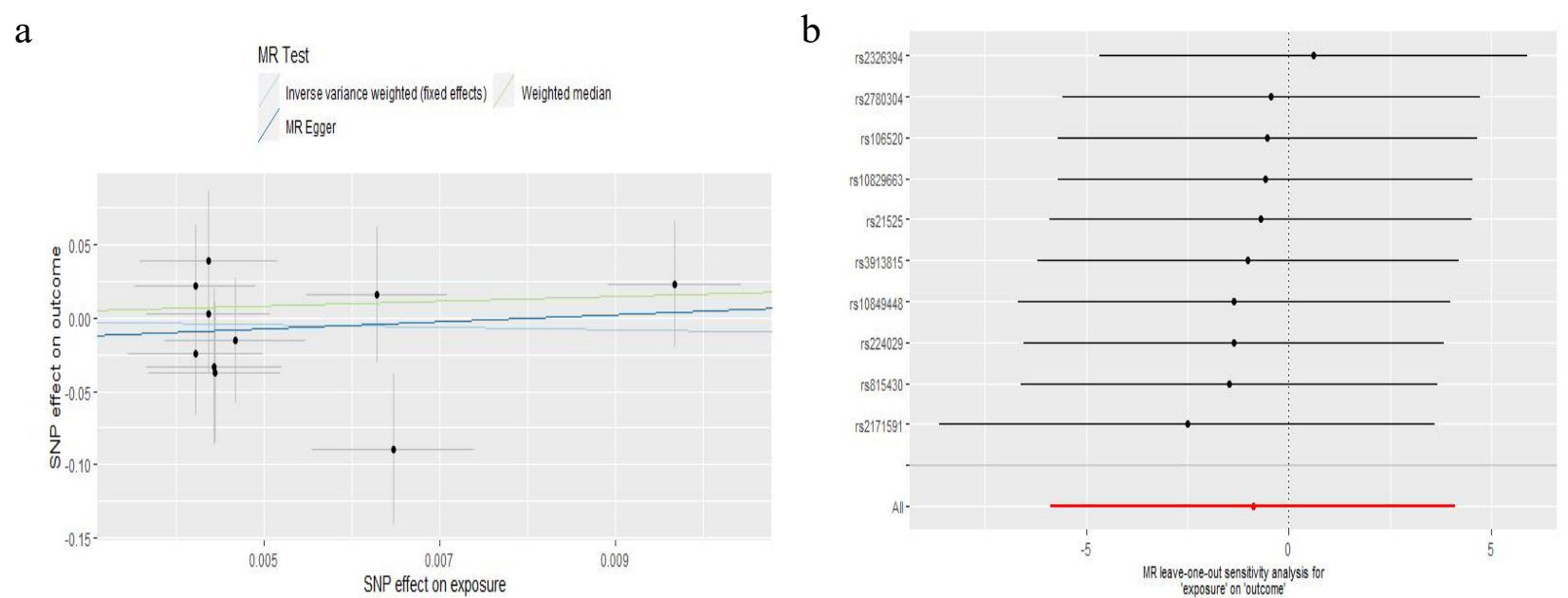
Supplementary Figure 1. Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of crohn's disease. (a) scatter plot; (b) leave-one-out plot.



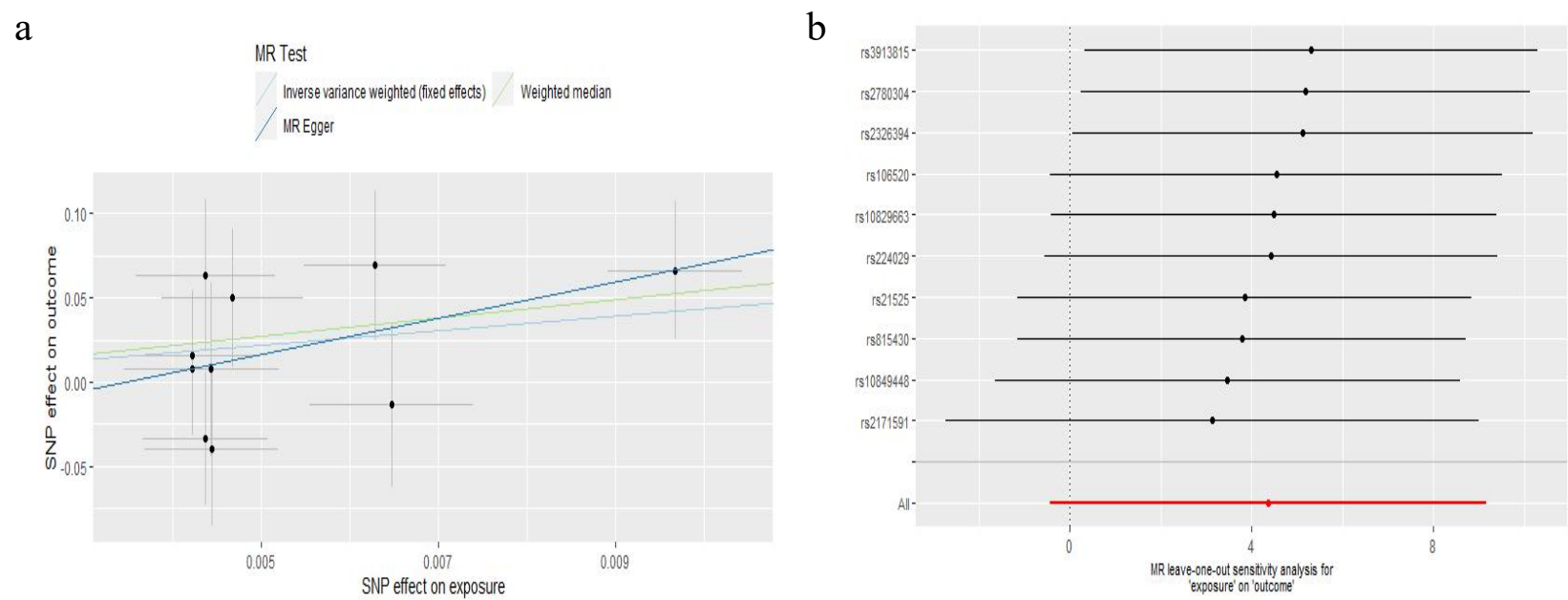
Supplementary Figure 2. Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of ulcerative colitis. (a) scatter plot; (b) leave-one-out plot.



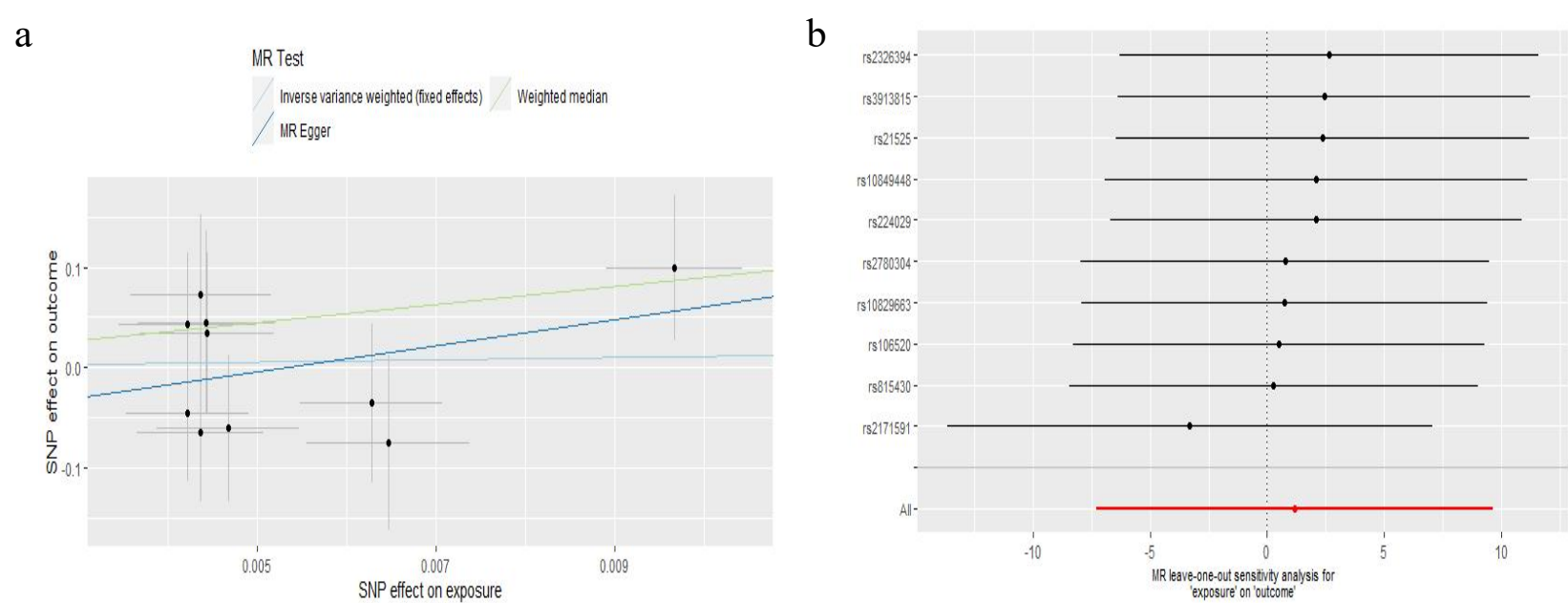
Supplementary Figure 3. Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of esophagus cancer. (a) scatter plot; (b) leave-one-out plot.



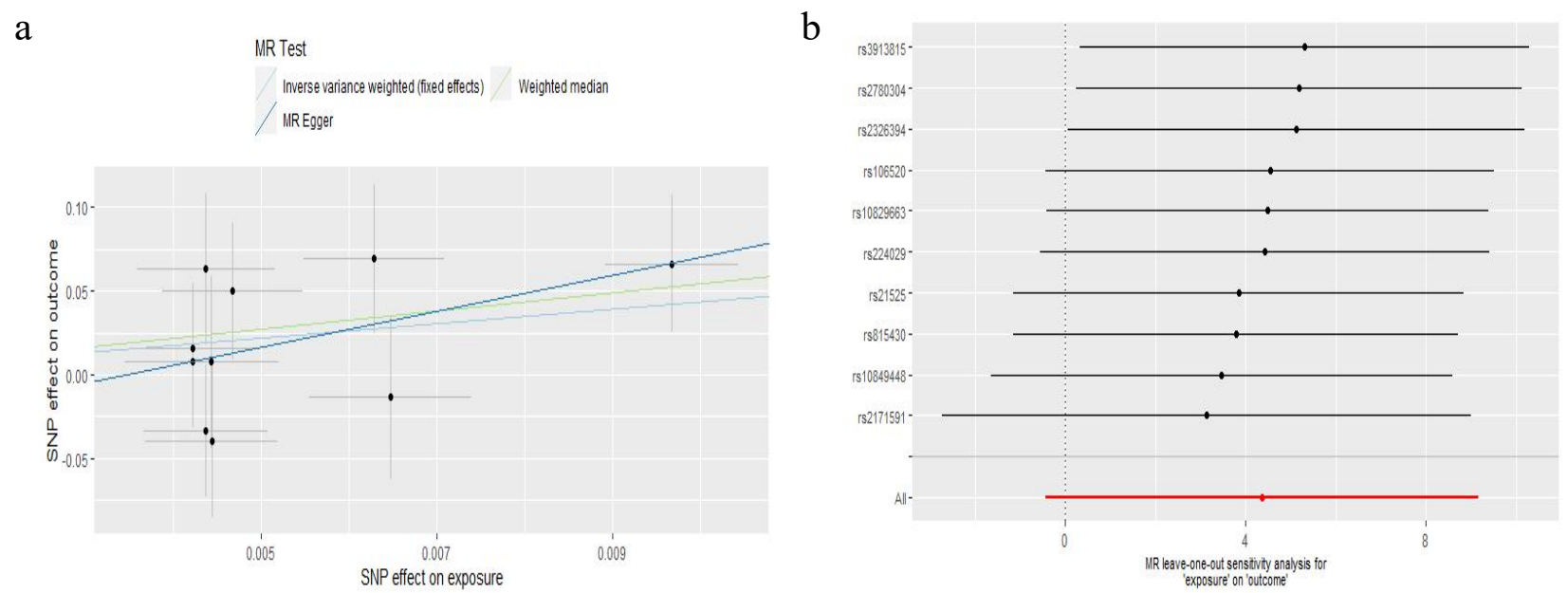
Supplementary Figure 4. Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of gastric cancer. (a) scatter plot; (b) leave-one-out plot.



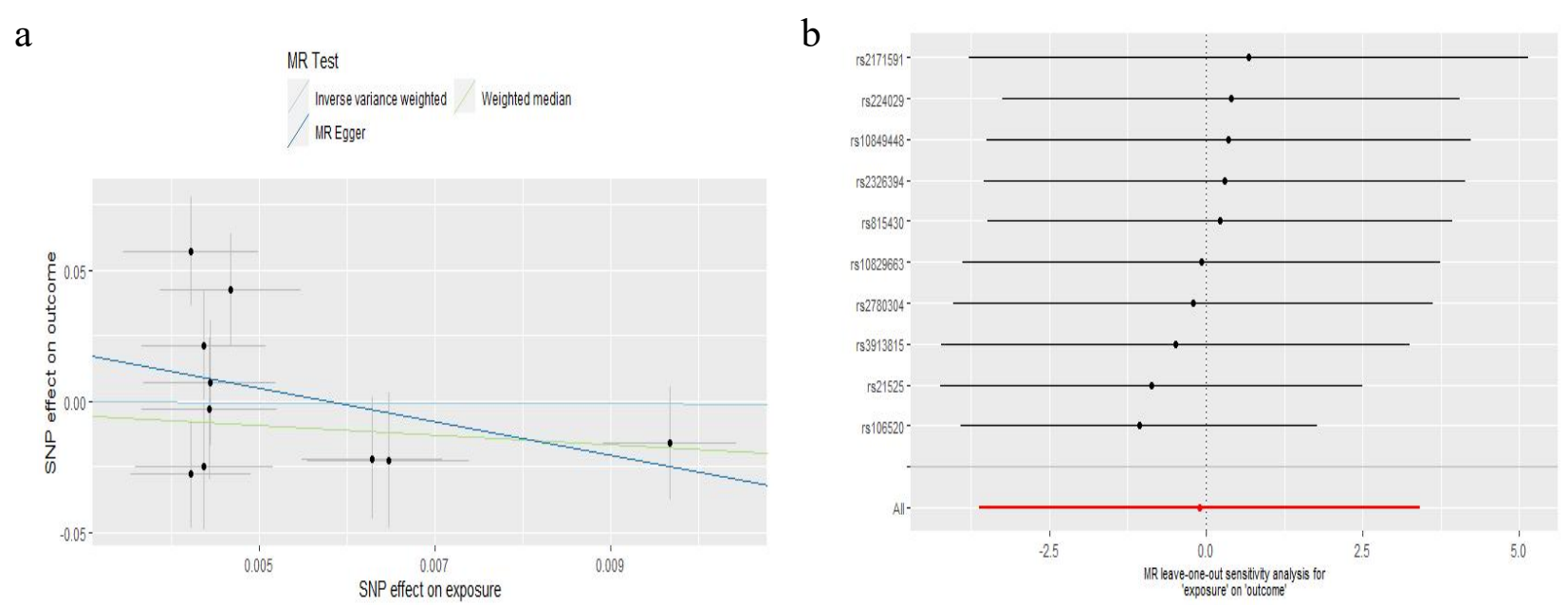
Supplementary Figure 5. Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of pancreatic cancer. (a) scatter plot; (b) leave-one-out plot.



Supplementary Figure 6. Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of liver cancer. (a) scatter plot; (b) leave-one-out plot.



Supplementary Figure 7. Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of biliary tract cancer. (a) scatter plot; (b) leave-one-out plot.



Supplementary Figure 8. Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of colorectal cancer. (a) scatter plot; (b) leave-one-out plot.