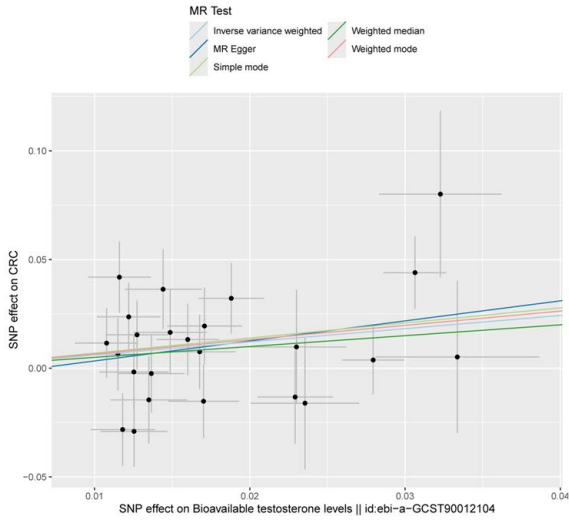
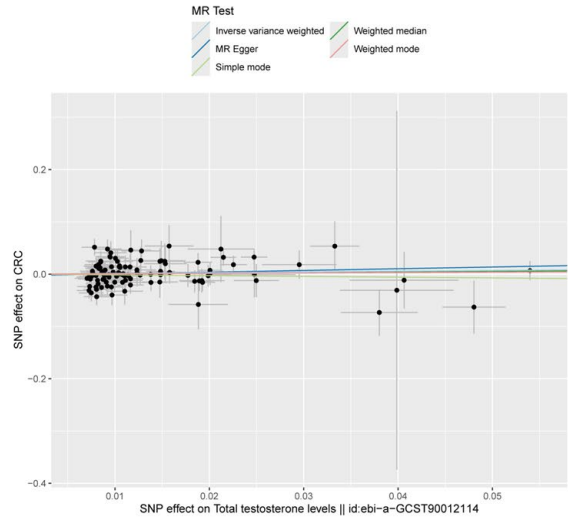


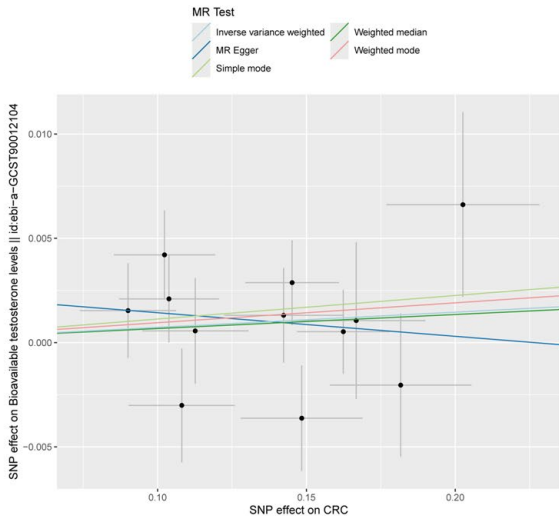
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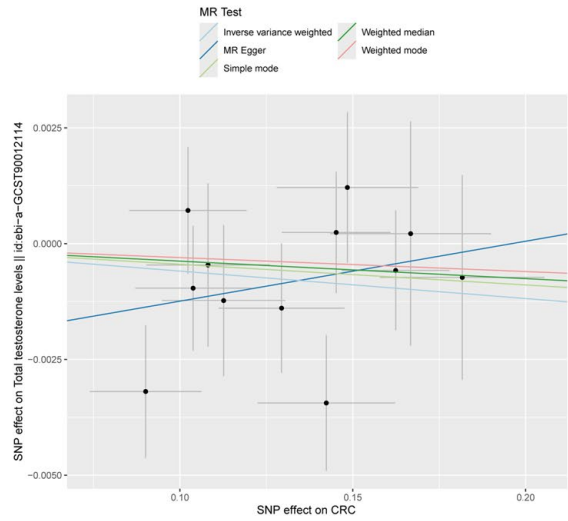
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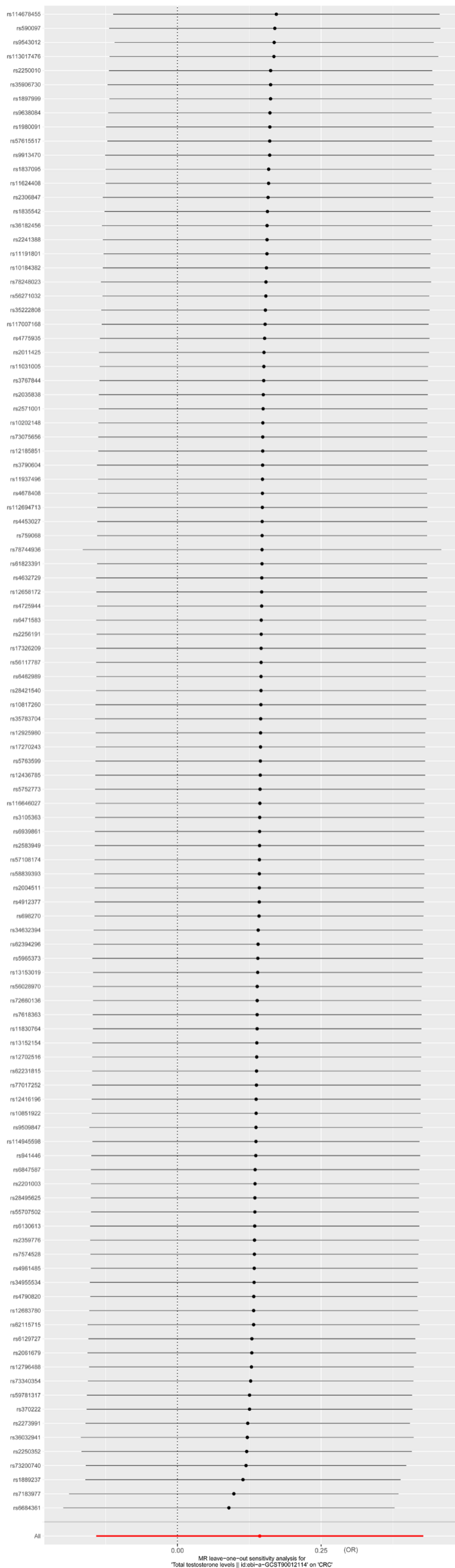
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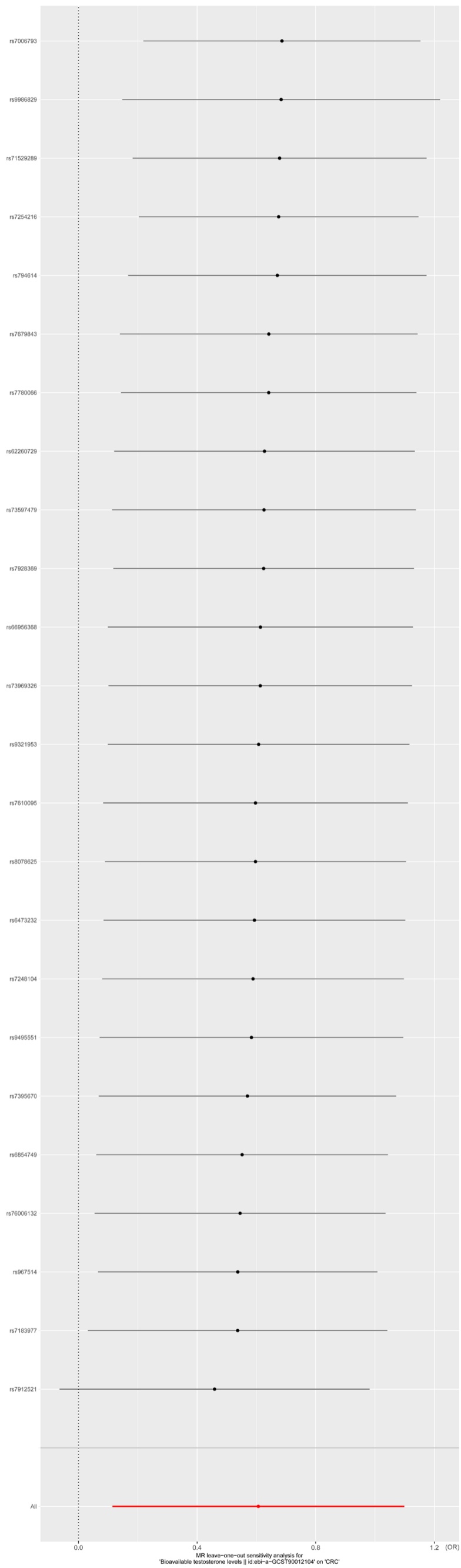
D



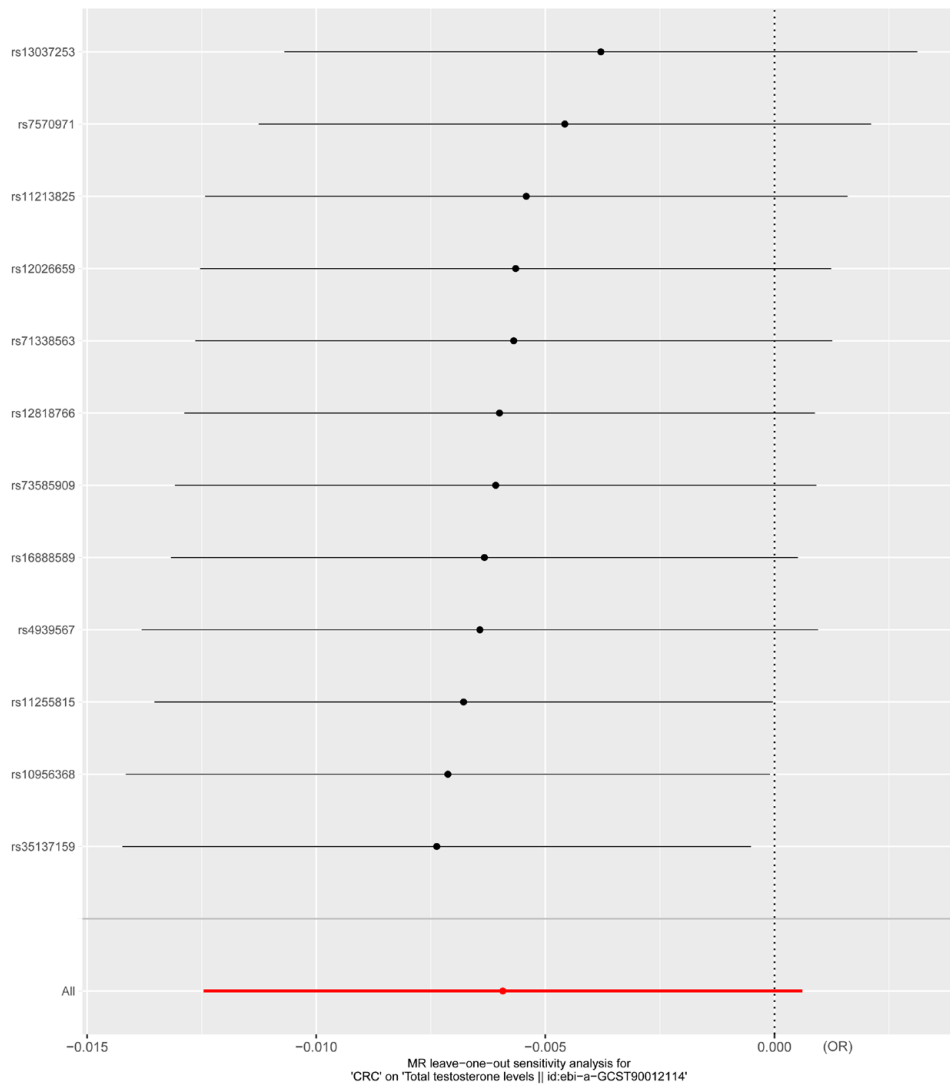
**Figure S1** The scatter plot of bidirectional MR between BT and TT with CRC. (A) Scatter plots from genetically predicted BT on CRC. (B) Scatter plots from genetically predicted TT on CRC. (C) Scatter plots from genetically predicted CRC on BT. (D) Scatter plots from genetically predicted CRC on TT. MR, Mendelian randomization; CRC, colorectal cancer; SNP, single nucleotide polymorphism; TT, total testosterone; BT, bioavailable testosterone.



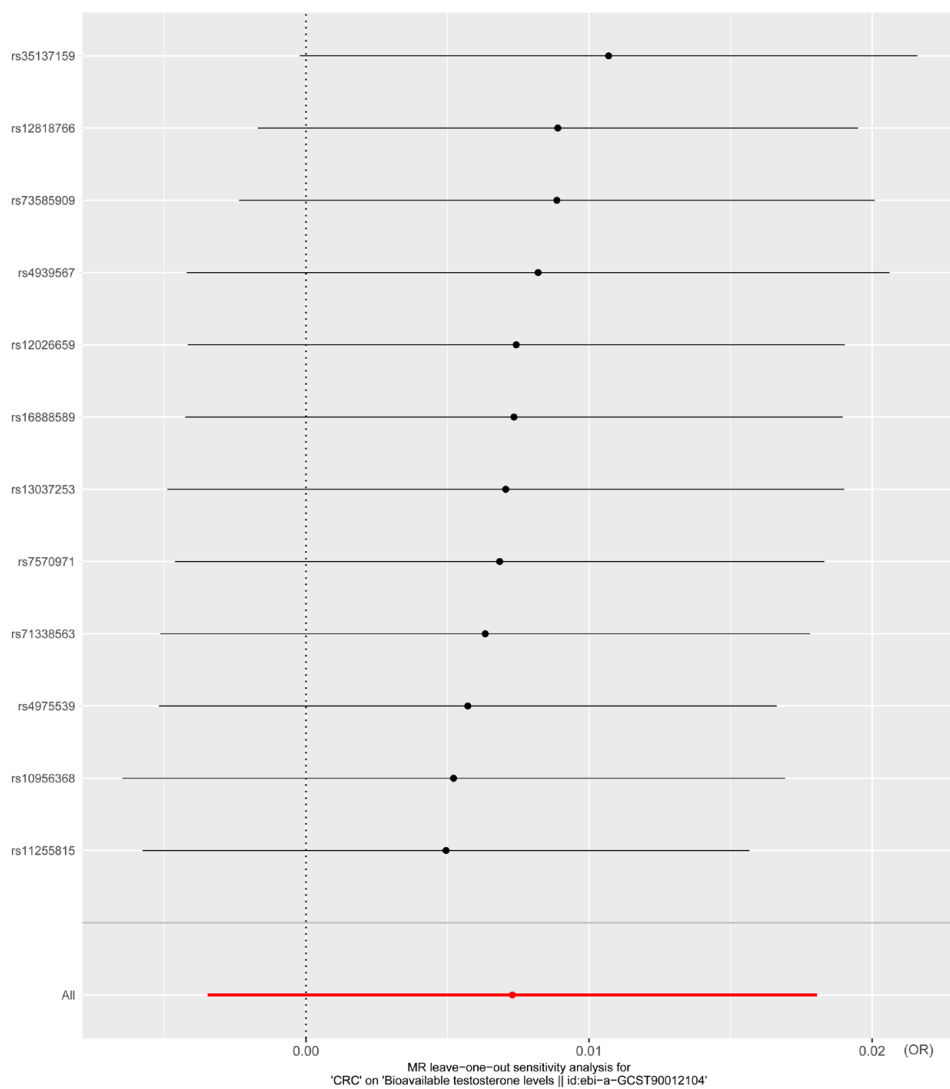
**Figure S2** Leave-one-out analysis for the impact of individual SNPs on the causal effect of TT on CRC. MR, Mendelian randomization; CRC, colorectal cancer; OR, odds ratio; SNP, single nucleotide polymorphism; TT, total testosterone.



**Figure S3** Leave-one-out analysis for the impact of individual SNPs on the causal effect of BT on CRC. MR, Mendelian randomization; CRC, colorectal cancer; OR, odds ratio; SNP, single nucleotide polymorphism; BT, bioavailable testosterone.



**Figure S4** Leave-one-out analysis for the impact of individual SNPs on the causal effect of CRC on TT. MR, Mendelian randomization; CRC, colorectal cancer; OR, odds ratio; SNP, single nucleotide polymorphism; TT, total testosterone.



**Figure S5** Leave-one-out analysis for the impact of individual SNPs on the causal effect of CRC on BT. MR, Mendelian randomization; CRC, colorectal cancer; OR, odds ratio; SNP, single nucleotide polymorphism; BT, bioavailable testosterone.