

Figure S1: Scatter plots of the main causality between exposure and outcome. (A) ASATadj and bladder cancer; (B) ASAT/GFAT and bladder cancer; (C) ASAT/GFAT and valine; (D) valine and bladder cancer.

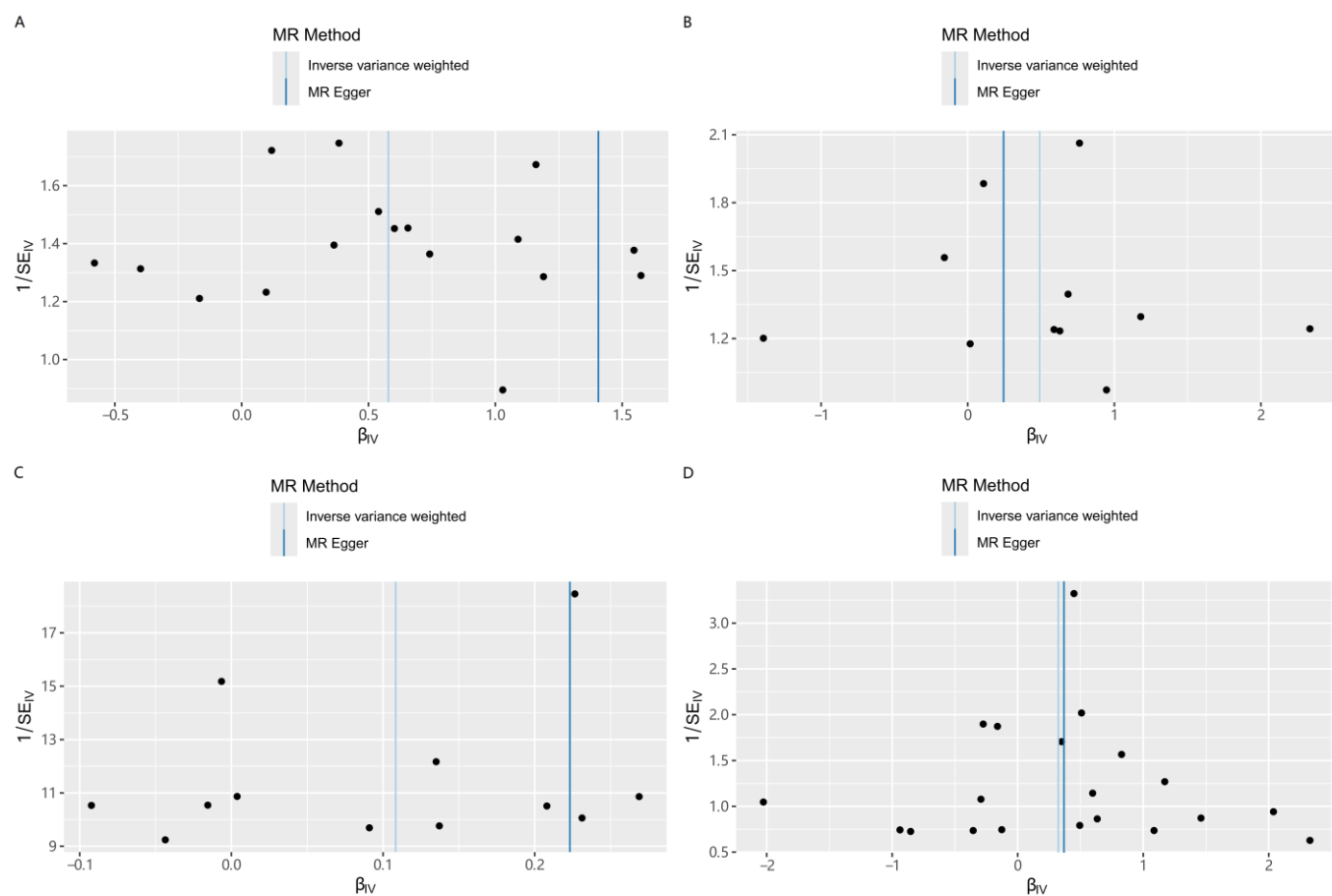


Figure S2: Funnel plots of the main causality between exposure and outcome. (A) ASATadj and bladder cancer; (B) ASAT/GFAT and bladder cancer; (C) ASAT/GFAT and valine; (D) valine and bladder cancer.

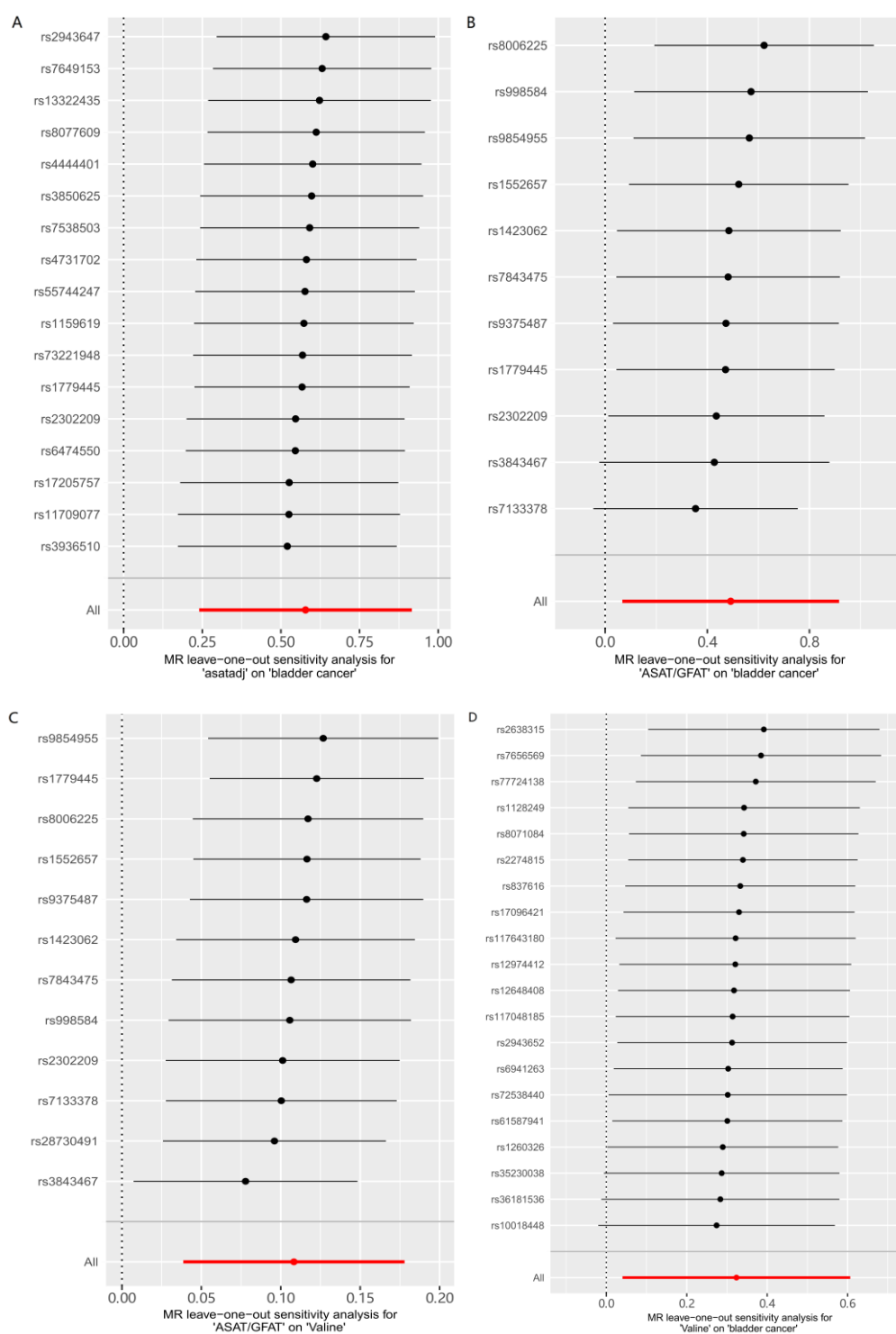


Figure S3: Leave-one-out analysis for the impact of individual SNPs on the main causality between exposure and outcome. (A) ASATadj and bladder cancer; (B) ASAT/GFAT and bladder cancer; (C) ASAT/GFAT and valine; (D) valine and bladder cancer.