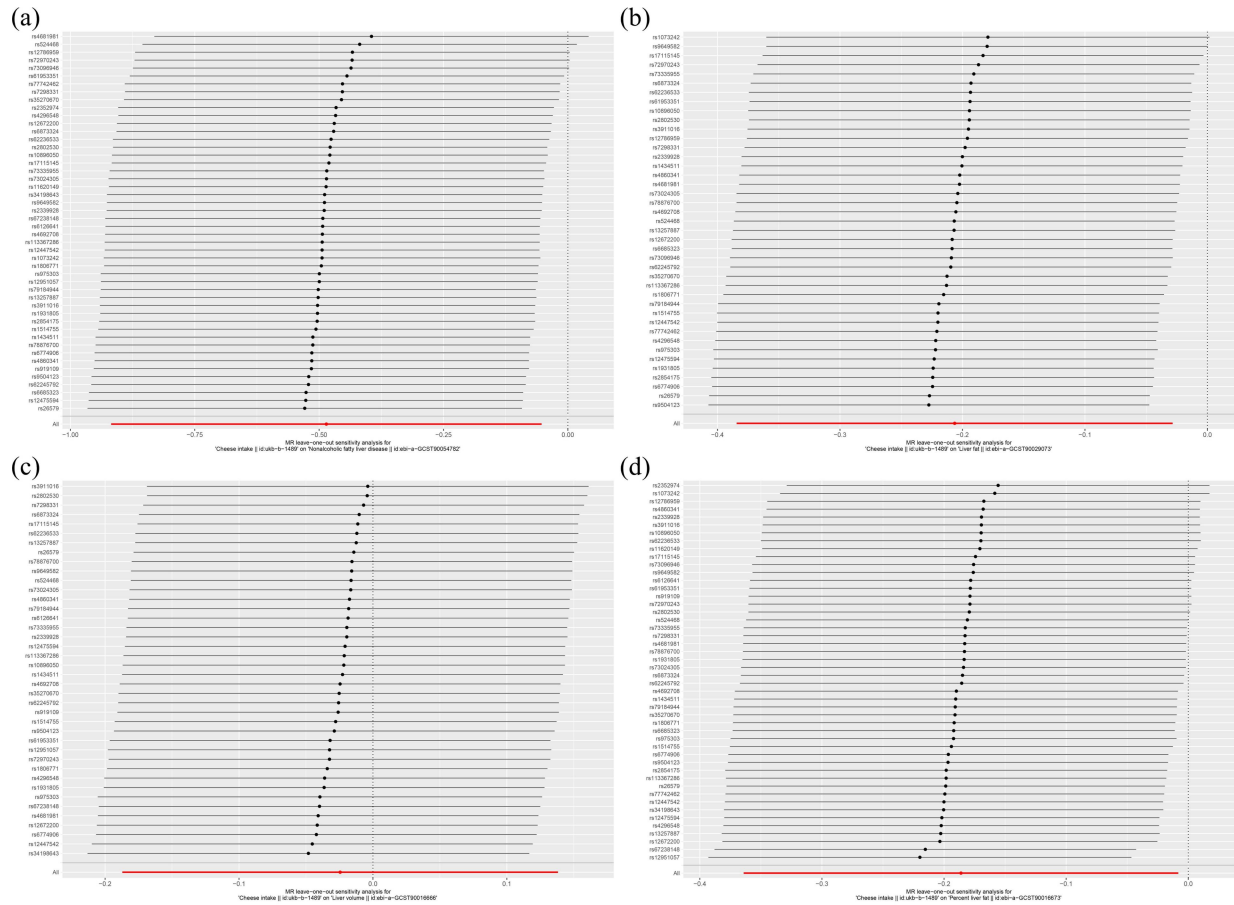


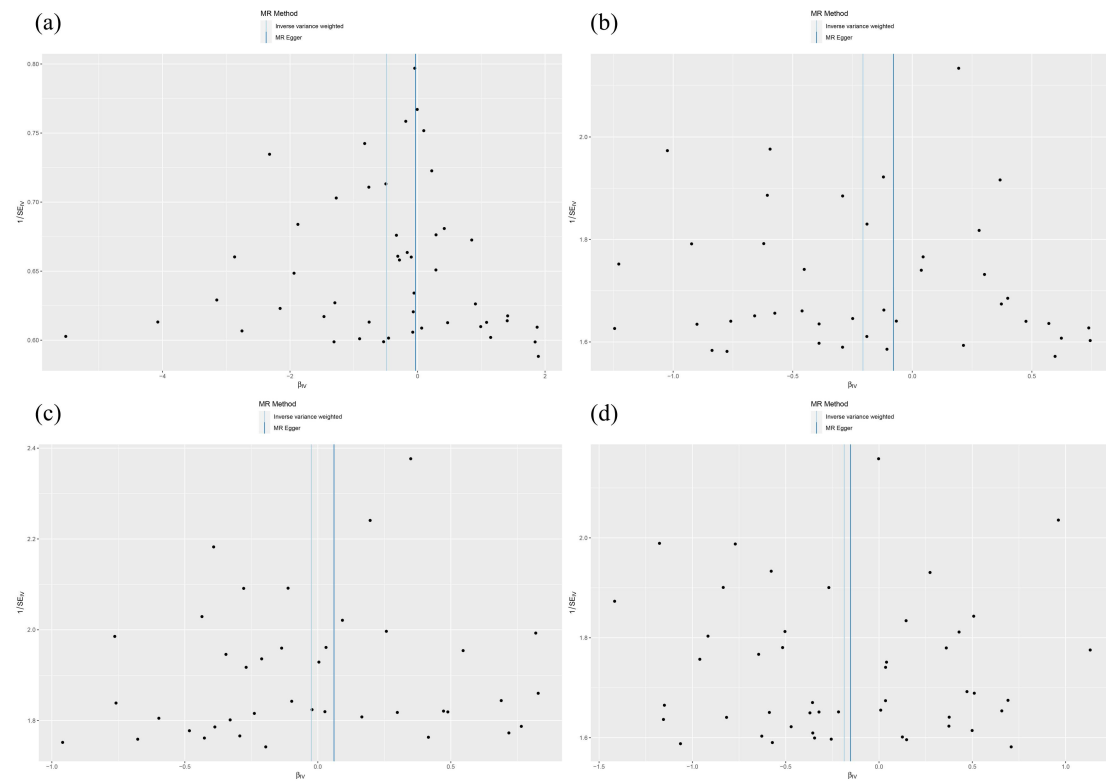
Supplementary Material

1 1 Supplementary Figures



2 Supplementary Figure 1. Leave-one-out plots.

3 (a) NAFLD; (b) Liver fat; (c) Liver volume; (d) Percent liver fat



Supplementary Figure 3. Funnel plots.

(a) NAFLD; (b) Liver fat; (c) Liver volume; (d) Percent liver fat

2 Supplementary Tables

(Supplementary Table 1 and 2 are too large to be displayed completely in this document. For details, please refer to the editable CSV files uploaded.)

Supplementary Table 1. Characteristics of instrumental variables.

Supplementary Table 2. The LDlink results of the instrumental variables used in this study.

Exposures	Method	Number of SNPs	Beta	Standard Error	Odds Ratio (95% CI)	P Value
NAFLD	Maximum likelihood	48	-0.463967	0.223657	0.629 (0.406-0.975)	0.008
	Inverse variance weighted (multiplicative random effects)		-0.485429	0.210499	0.615 (0.407-0.930)	0.014
	Inverse variance weighted (fixed effects)		-0.485429	0.220718	0.615 (0.399-0.949)	0.008
	Simple mode		-0.122021	0.631962	0.885 (0.256-3.055)	0.886
	Weighted median		-0.166575	0.298209	0.847 (0.472-1.519)	0.576
	Weighted mode		-0.122021	0.596092	0.885 (0.275-2.847)	0.889
	MR Egger		-0.033049	0.937294	0.967 (0.154-6.074)	0.873
	MRPRESSO		-0.485430	0.210500	0.615 (0.407-0.930)	0.026
	MR RAPS		-0.497686	0.227794	0.608 (0.389-0.950)	0.029
Liver fat	Maximum likelihood	41	-0.210748	0.092076	0.81 (0.676-0.970)	0.022
	Inverse variance weighted (multiplicative random effects)		-0.206379	0.084711	0.814 (0.689-0.960)	0.015
	Inverse variance weighted (fixed effects)		-0.206379	0.090819	0.814 (0.681-0.972)	0.023
	Simple mode		-0.320248	0.311756	0.726 (0.394-1.337)	0.31
	Weighted median		-0.189863	0.128907	0.827 (0.642-1.065)	0.141
	Weighted mode		-0.300286	0.305748	0.741 (0.407-1.348)	0.332
	MR Egger		-0.079141	0.370274	0.924 (0.447-1.909)	0.832
	MRPRESSO		-0.206379	0.084711	0.814 (0.689-0.960)	0.019
	MR RAPS		-0.211415	0.093847	0.809 (0.673-0.973)	0.024
Liver volume	Maximum likelihood	40	-0.024853	0.083893	0.975 (0.828-1.150)	0.767
	Inverse variance weighted (multiplicative random effects)		-0.024464	0.072902	0.976 (0.846-1.126)	0.737
	Inverse variance weighted (fixed effects)		-0.024464	0.082985	0.976 (0.829-1.148)	0.768
	Simple mode		-0.231707	0.257831	0.793 (0.479-1.315)	0.374
	Weighted median		-0.100479	0.119945	0.904 (0.715-1.144)	0.402
	Weighted mode		-0.220041	0.254964	0.802 (0.487-1.323)	0.393
	MR Egger		0.060804	0.361460	1.063 (0.523-2.158)	0.867
	MRPRESSO		-0.024464	0.072902	0.976 (0.846-1.126)	0.739
	MR RAPS		-0.024995	0.085719	0.975 (0.824-1.154)	0.771
Percent liver fat	Maximum likelihood	48	-0.192275	0.084439	0.825 (0.699-0.974)	0.023
	Inverse variance weighted (multiplicative random effects)		-0.186135	0.090812	0.830 (0.695-0.992)	0.04
	Inverse variance weighted (fixed effects)		-0.186135	0.082925	0.830 (0.706-0.977)	0.025
	Simple mode		-0.426574	0.312518	0.653 (0.354-1.204)	0.179
	Weighted median		-0.257410	0.119576	0.773 (0.612-0.977)	0.031
	Weighted mode		-0.426574	0.321573	0.653 (0.348-1.226)	0.191
	MR Egger		-0.152748	0.392633	0.858 (0.398-1.853)	0.699
	MRPRESSO		-0.186135	0.090812	0.830 (0.695-0.992)	0.046
	MR RAPS		-0.192440	0.085227	0.825 (0.698-0.975)	0.024

Supplementary Table 3. Feature Variable Selection Table.