

Figure S1 Forest plots of the association between NTM/atypical mycobacterial lung infection and lung cancer. (A) NTM lung infection and lung cancer. (B) NTM lung infection and LAC. (C) NTM lung infection and SCC. (D) NTM lung infection and SCLC. (E) Atypical mycobacterial lung infection and lung cancer. (F) Atypical mycobacterial lung infection and LAC. (G) Atypical mycobacterial lung infection and SCC. (H) Atypical mycobacterial lung infection and SCLC. NTM, non-tuberculous mycobacteria; LAC, lung adenocarcinoma; SCC, squamous cell lung carcinoma; SCLC, small cell lung carcinoma.

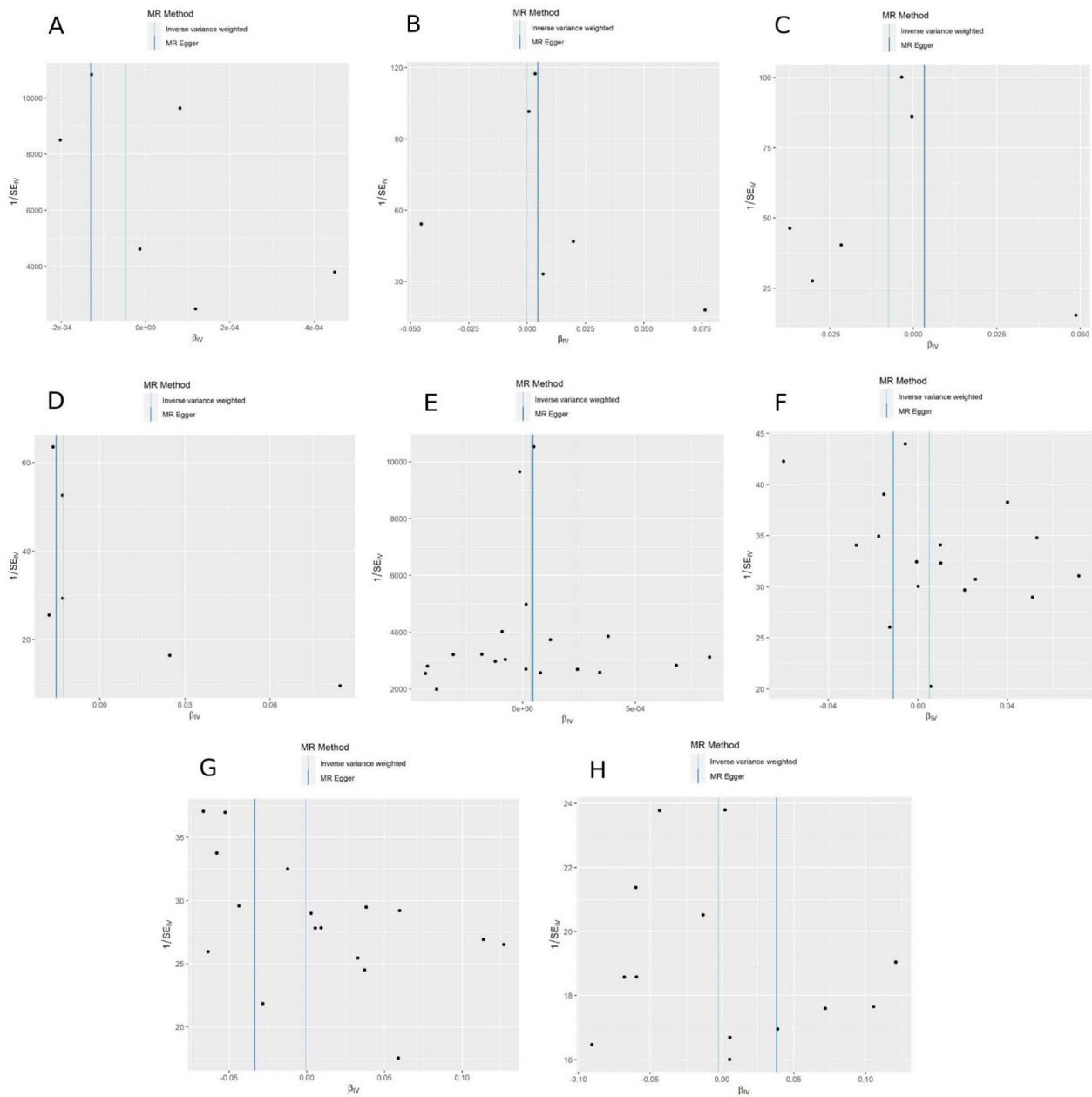


Figure S2 Funnel plots of the association between NTM/atypical mycobacterial lung infection and lung cancer. (A) NTM lung infection and lung cancer. (B) NTM lung infection and LAC. (C) NTM lung infection and SCC. (D) NTM lung infection and SCLC. (E) Atypical mycobacterial lung infection and lung cancer. (F) Atypical mycobacterial lung infection and LAC. (G) Atypical mycobacterial lung infection and SCC. (H) Atypical mycobacterial lung infection and SCLC. NTM, non-tuberculous mycobacteria; LAC, lung adenocarcinoma; SCC, squamous cell lung carcinoma; SCLC, small cell lung carcinoma.

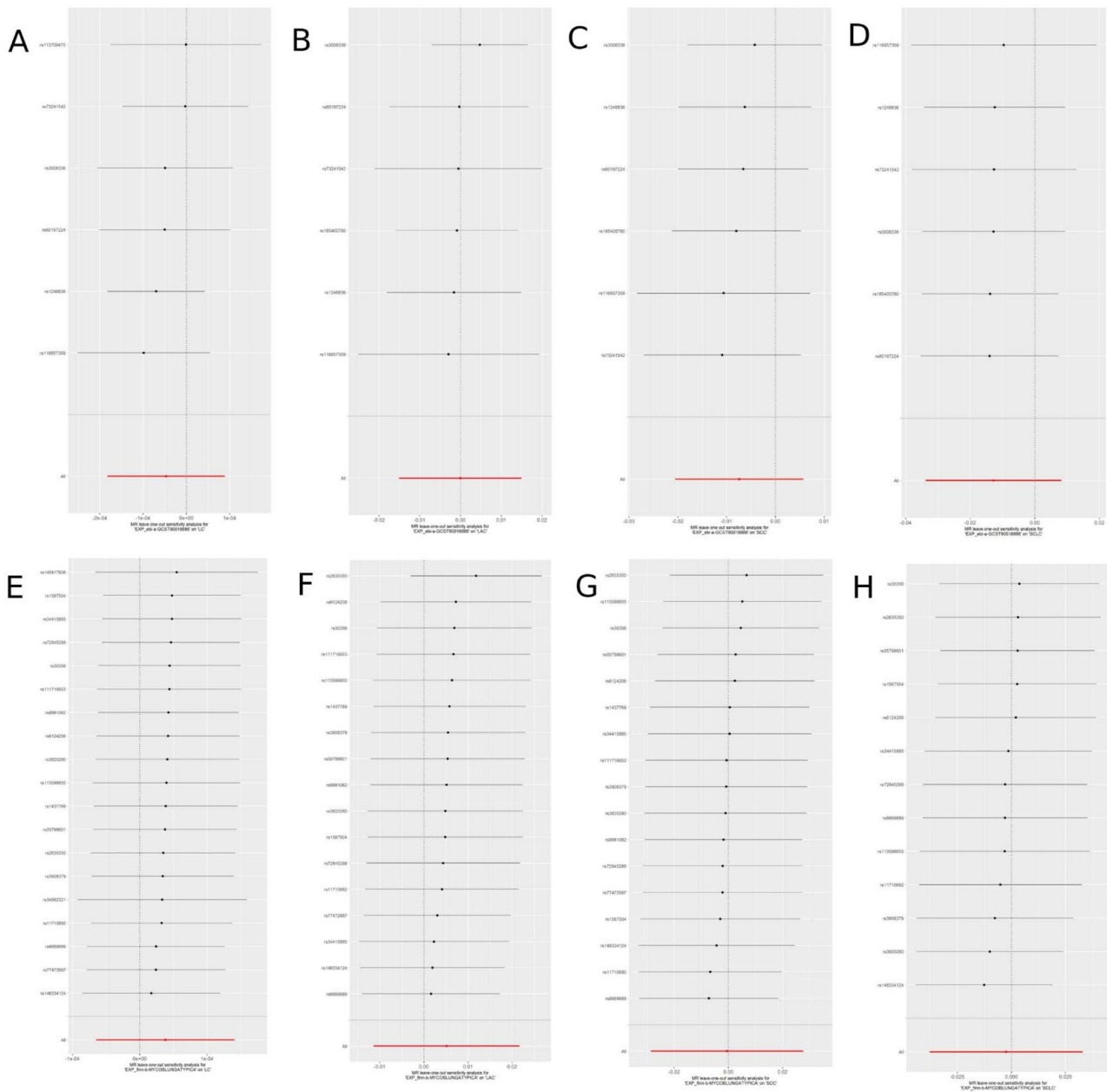


Figure S3 Leave-one-out plots of the association between NTM/atypical mycobacterial lung infection and lung cancer. (A) NTM lung infection and lung cancer. (B) NTM lung infection and LAC. (C) NTM lung infection and SCC. (D) NTM lung infection and SCLC. (E) Atypical mycobacterial lung infection and lung cancer. (F) Atypical mycobacterial lung infection and LAC. (G) Atypical mycobacterial lung infection and SCC. (H) Atypical mycobacterial lung infection and SCLC. NTM, non-tuberculous mycobacteria; LAC, lung adenocarcinoma; SCC, squamous cell lung carcinoma; SCLC, small cell lung carcinoma.

Table S1 Details of the GWASs included in the Mendelian randomization

Consortium	Phenotype	Participants	Web sites
A meta-analysis of GWAS	Non-tuberculous mycobacterial infection	341,610	https://gwas.mrcieu.ac.uk/datasets/ebi-a-GCST90018886/
A meta-analysis of GWAS	Atypical mycobacterium lung infection	213,312	https://gwas.mrcieu.ac.uk/datasets/finn-b-MYCOBLUNGATYPICA/
UK Biobank	Lung cancer	374,687	https://gwas.mrcieu.ac.uk/datasets/ieu-b-4955/
A meta-analysis of GWAS	Squamous cell lung carcinoma	63,053	https://gwas.mrcieu.ac.uk/datasets/ebi-a-GCST004750/
A meta-analysis of GWAS	Lung adenocarcinoma	66,756	https://gwas.mrcieu.ac.uk/datasets/ebi-a-GCST004744/
A meta-analysis of GWAS	Small cell lung carcinoma	24,108	https://gwas.mrcieu.ac.uk/datasets/ebi-a-GCST004746/

GWAS, genome-wide association studies.