Description of Additional Supplementary Files

Filename: SupplementaryData1.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in LDL-C

Filename: SupplementaryData2.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in HDL-C

Filename: SupplementaryData3.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in TG

Filename: SupplementaryData4.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in VLDL-C

Filename: SupplementaryData5.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in IDL-C

Filename: SupplementaryData6.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in Rem-chol

Filename: SupplementaryData7.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in TC

Filename: SupplementaryData8.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in Apo-B

Filename: SupplementaryData9.tsv **Description:** (Multivariable) Mendelian randomization effect estimates for one standard deviation change in Apo-A1

Filename: SupplementaryData10.tsv **Description:** *cis* Mendelian randomization effect estimates for one standard deviation change in Apo-B

Filename: SupplementaryData11.tsv **Description:** *cis* Mendelian randomization effect estimates for one standard deviation change in Apo-A1

Filename: SupplementaryData12.tsv **Description:** Multivariable Mendelian randomization effect estimates for one standard deviation change in HDL-C, TG, or Apo-B Filename: SupplementaryData13.tsv

Description: Overview of (previous) Mendelian randomization studies estimating the HDL-C effect on CHD

Filename: SupplementaryData14.tsv.gz **Description:** The genetic instrument data used in the univariable (total effect) Mendelian randomization analysis

Filename: SupplementaryData15.tsv.gz **Description:** The genetic instrument data used in the multivariable (direct effect) Mendelian randomization analysis

Filename: SupplementaryData16.md **Description:** Readme for SupplementaryData14.tsv.gz and SupplementaryData15.tsv.gz