

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Characteristics of included studies

File Name: Supplementary Data 2

Description: Information of proteins and peptides measured by DIA-MS

File Name: Supplementary Data 3

Description: Summary for identified pQTLs

File Name: Supplementary Data 4

Description: Summary for the heritability analysis

File Name: Supplementary Data 5

Description: Summary for the conditional analysis

File Name: Supplementary Data 6

Description: Replication of identified loci in the independent external studies

File Name: Supplementary Data 7

Description: Replication of the previously reported pQTLs

File Name: Supplementary Data 8

Description: Colocalization of cis-pQTLs and clinically relevant phenotypes

File Name: Supplementary Data 9

Description: Mendelian randomization analysis

File Name: Supplementary Data 10

Description: Genetic instruments for Mendelian randomization analysis

File Name: Supplementary Data 11

Description: Reverse Mendelian randomization

File Name: Supplementary Data 12

Description: Identified gene-protein-phenotype associations

File Name: Supplementary Data 13

Description: Drug target information

File Name: Supplementary Data 14

Description: Cross-ancestry analysis for cardiometabolic disease susceptibility

File Name: Supplementary Data 15

Description: Important protein-phenotype associations identified by colocalization and Mendelian randomization analyses