

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Data sources for studied phenotypes.

File name: Supplementary Data 2

Description: Associations of plasma metabolites with the risk of hypothyroidism in the discovery cohort.

File name: Supplementary Data 3

Description: Associations of immune cell traits with the risk of hypothyroidism in the discovery cohort.

File name: Supplementary Data 4

Description: Sensitivity analysis for plasma metabolites with the risk of hypothyroidism in the discovery cohort.

File name: Supplementary Data 5

Description: Associations of plasma metabolites with the risk of hypothyroidism in the replication cohort.

File name: Supplementary Data 6

Description: Associations of plasma metabolites with the risk of hypothyroidism in the meta-analysis.

File name: Supplementary Data 7

Description: Sensitivity analysis for immune cell traits with the risk of hypothyroidism in the discovery cohort.

File name: Supplementary Data 8

Description: Associations of immune cell traits with the risk of hypothyroidism in the replication cohort.

File name: Supplementary Data 9

Description: Associations of immune cell traits with the risk of hypothyroidism in the meta-analysis.

File name: Supplementary Data 10

Description: Colocalization analysis on putatively causal traits with the risk of hypothyroidism.

File name: Supplementary Data 11

Description: MR-BMA estimate of the causal relationship between CD3 related immune traits and hypothyroidism.

File name: Supplementary Data 12

Description: Cell type-specific enrichment analysis for hypothyroidism.

File name: Supplementary Data 13

Description: Associations of putatively causal traits on complications of hypothyroidism.

File name: Supplementary Data 14

Description: Sensitivity analysis for putatively causal traits with the risk of complications of hypothyroidism.

File name: Supplementary Data 15

Description: Druggability of putatively causal traits for hypothyroidism.