

Description of Additional Supplementary Files

Supplementary Data 1: Source Data File

Supplementary Data 2: Meta-analysis summary statistics from META-1 (limited to the top 10,000 variants from the previous UL meta-GWAS)

Supplementary Data 3: Meta-analysis summary statistics from META-2 (limited to the top 10,000 variants)

Supplementary Data 4: Results of colocalization of UL association signals and gene expression in GTEx v8 (cultured fibroblasts, skeletal muscle, uterus, and whole blood)

Supplementary Data 5: Results of SMR to test if gene expression mediates UL association (uterus)

Supplementary Data 6: Results of SMR to test if gene expression mediates UL association (whole blood)

Supplementary Data 7: Results of SMR to test if gene expression mediates UL association (skeletal muscle)

Supplementary Data 8: Results of SMR to test if gene expression mediates UL association (cultured fibroblasts)