ip IIII IIII 10 Lead SNP Lead SNP rs12096179 P-value=2.24x10 rs12096179 P-value=2.24x10-6 Index SNF rs984222 6 Index SNF rs984222 0.00 -d)0160 TBX1: 119.3 119.35 119.4 119.45 119.5 119,55 119.3 119.45 119.55 119.35 119.4 119.5 Position on chr1 (Mb) Position on chr1 (Mb) B. Females (CEU) Females (AA) Metabochip chip 10 Lead SNP Lead SNP rs6701378 rs6701378 alue=3.07x10 P-value=3.07x10 (alue) Index SNP rs984222 Index SNF rs984222 P-value =0.150 =0.150 -d)0160 -value + TBX1 TBX1 119.3 119.55 119.3 119.35 119.55 119.35 119.4 119.45 119.5 119.4 119.45 119.5 Position on chr1 (Mb) Position on chr1 (Mb) C. Males (CEU) Males (AA) nip | ip | 10 10 0.8 0.8 0.6 0.6 Index SNP rs984222 value=6.92x10 0.4 Index SNP rs984222 0.4 Lead SNP Lead SNP rs7412918 rs7412918 P-value=2.47x10 P-value=2.47x10 6 log₁₀(p-value) ¹6 <-- TBX15 <- TBX1 119.55 119.55 119.3 119.35 119.4 119.45 119.5 119.3 119.35 119.4 119.45 119.5

Sex-combined (AA)

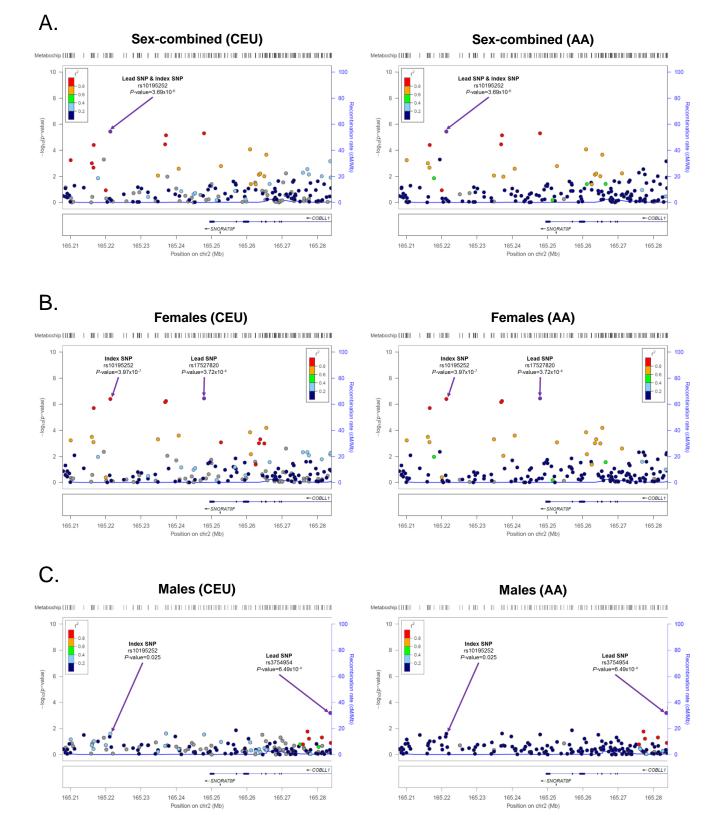
Position on chr1 (Mb)

A.

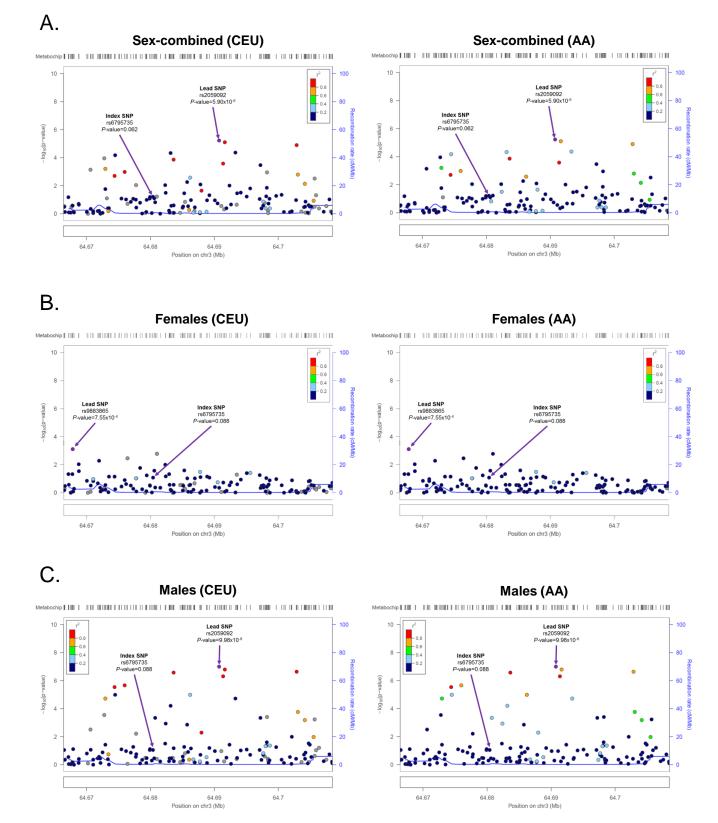
Sex-combined (CEU)

Position on chr1 (Mb)

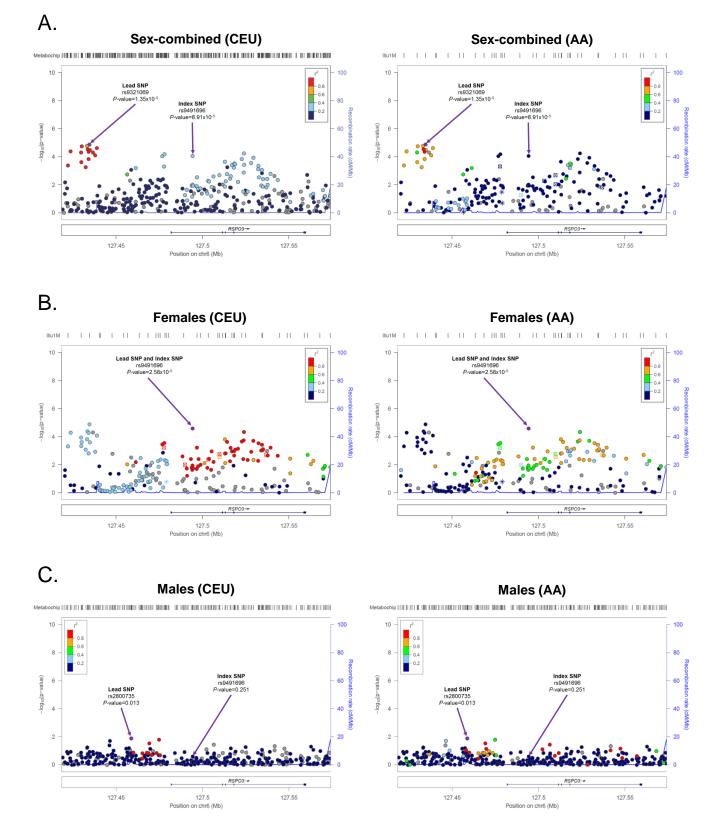
Supplementary Figure 4. Locus Zoom Plots of locus around the *TBX15* and *WARS2* genes using LD patterns calculated from a Swedish Population (CEU), and African American participants from the ARIC study (AA). Results from the **(A)** sex-combined, **(B)** female-only, **(C)** male-only meta-analyses.



Supplementary Figure 5. Locus Zoom Plots of the *GRB14* locus around the *COBLL1* and *SNORA70F* genes using LD patterns calculated from a Swedish Population (CEU), and African American participants from the ARIC study (AA). Results from the **(A)** sexcombined, **(B)** female-only, **(C)** male-only meta-analyses.



Supplementary Figure 6. Locus Zoom Plots of locus around the *ADAMTS9-AS2* gene and *MIR548A2* miRNA using LD patterns calculated from a Swedish Population (CEU), and African American participants from the ARIC study (AA). Results from the **(A)** sexcombined, **(B)** female-only, **(C)** male-only meta-analyses.



Supplementary Figure 7. Locus Zoom Plots of the locus around the *RSPO3* gene using LD patterns calculated from a Swedish Population (CEU), and African American participants from the ARIC study (AA). Results from the **(A)** sex-combined, **(B)** female-only, **(C)** male-only meta-analyses.