

Figure e-1. Association plots for conditional analyses

QQ plots (left plot panel) and manhattan plots (right plot panel) for conditional analysis including respectively one of the top SNPs as additional covariate. Analyses included sex, the first PC and rs10902588 (Chr. 15) in panel **A** and **B**, rs75393320 (Chr. 11) in panel **C** and **D** and rs11039155 (Chr. 11) in panel **E** and **F**. The comparison to the original QQ plot (Figure 1A) indicates that the visible deviation from the distribution of P-values under the null hypothesis of no association is mainly due to the top SNPs identified in this GWAS. The manhattan plots confirm that no significant secondary signals are present (only shown for the SNPs with lowest P-values at each locus)

