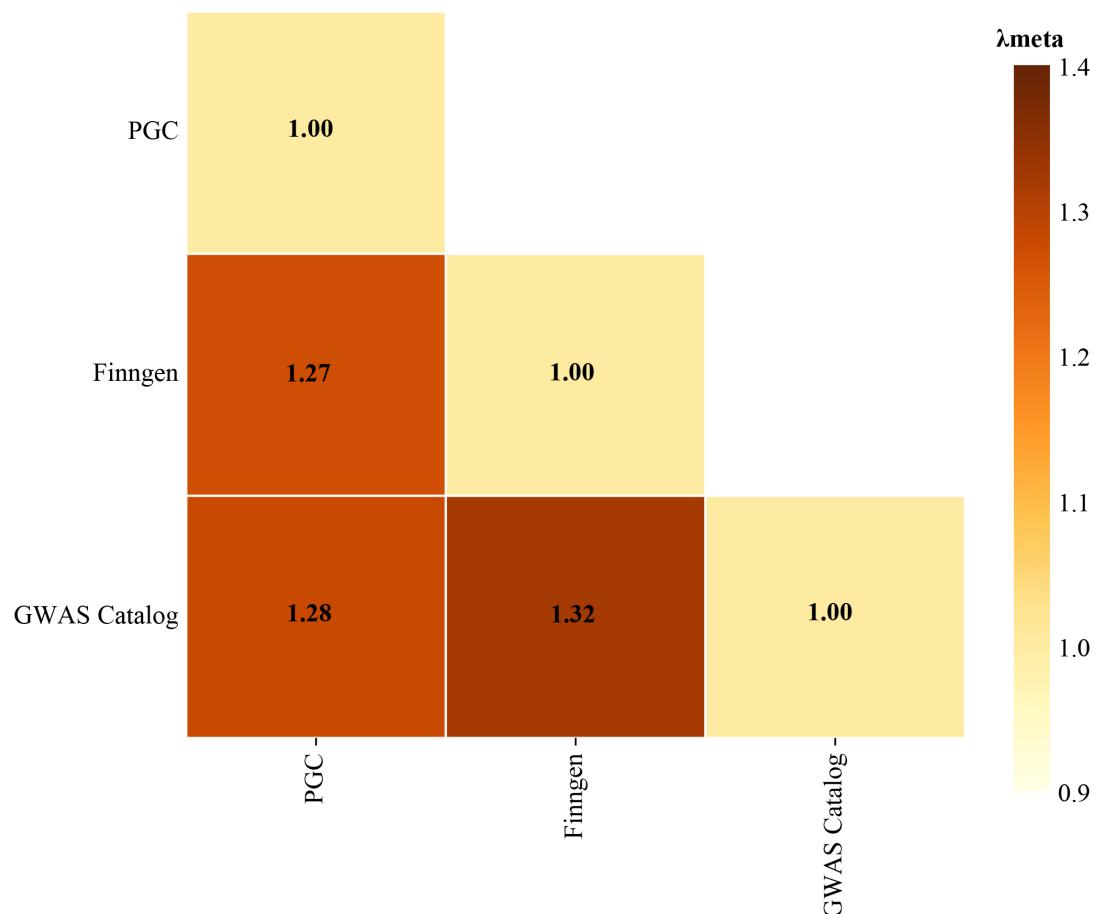
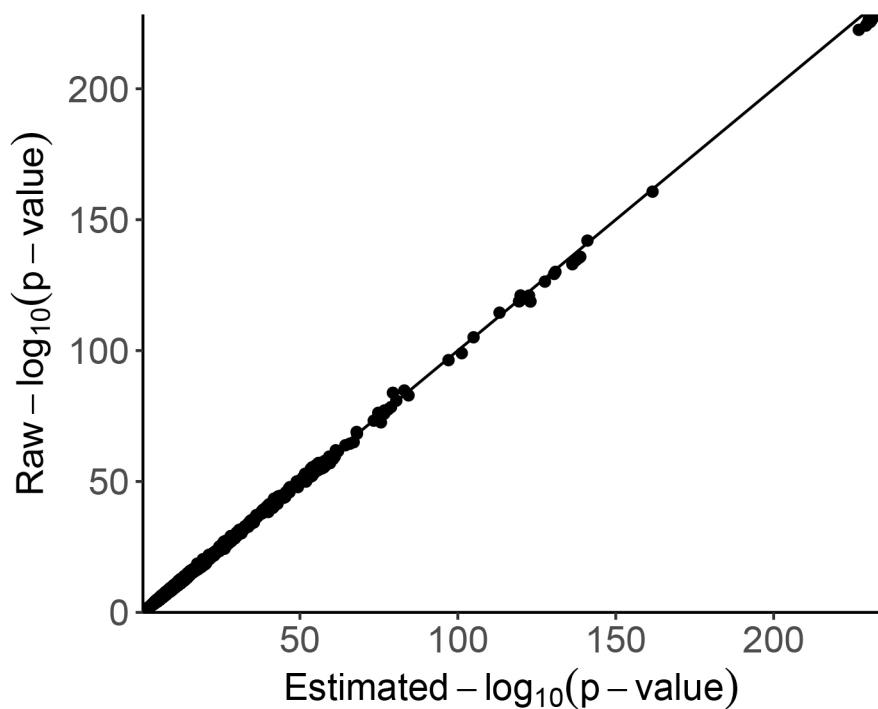


Supplementary Figure 1. The λ_{meta} values among the three European ancestry MD GWAS cohorts.



Supplementary Figure 2. PZ plot for the MAMT, displaying the observed p-values on the y-axis and the corresponding p-values derived from the z-scores estimated by beta and se on the x-axis.



Supplementary Figure 3. Pearson correlations of the absolute effect sizes of pleiotropic SNVs between MAMT and MA, MA-EAS, MA-EUR, MT-EAS, and MT-EUR.

