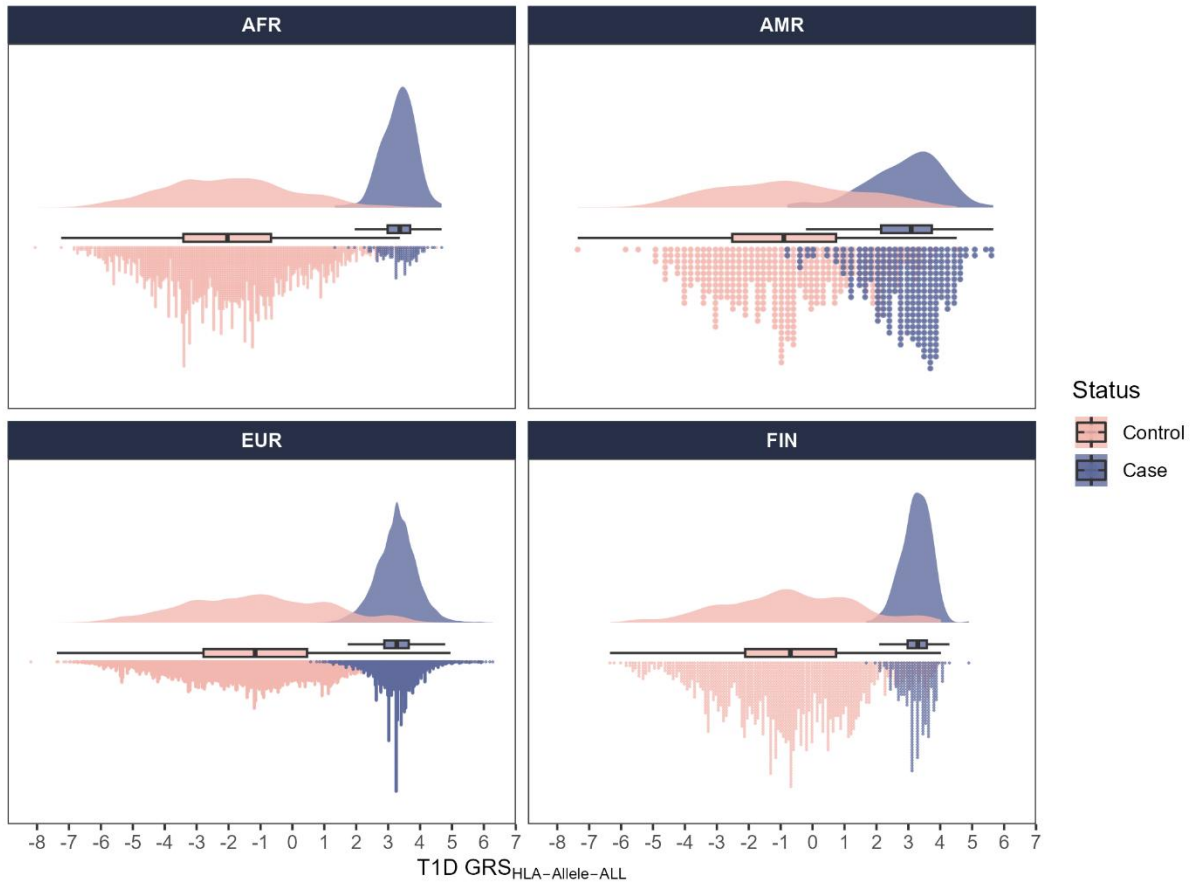




ESM Figure 1. Raincloud plots of HLA-focused type 1 diabetes genetic risk score, T1D $GRS_{HLA-Allele-ALL}$, across four ancestry groups. T1D $GRS_{HLA-Allele-ALL}$ was derived using combined ancestry data (ALL) and then applied to each ancestry group separately. Case subjects were stratified to include only individuals carrying high-risk HLA haplotypes (e.g., HLA-DR3 and/or -DR4). The x-axis shows T1D $GRS_{HLA-Allele-ALL}$ for type 1 diabetes cases with HLA-DR3 and/or -DR4 haplotypes (blue) and controls without type 1 diabetes (pink) in each ancestry group. Each plot displays a box plot (median, interquartile range, and range). The dots below the box plot represent the individual scores, and the density distribution is plotted above the box plot.