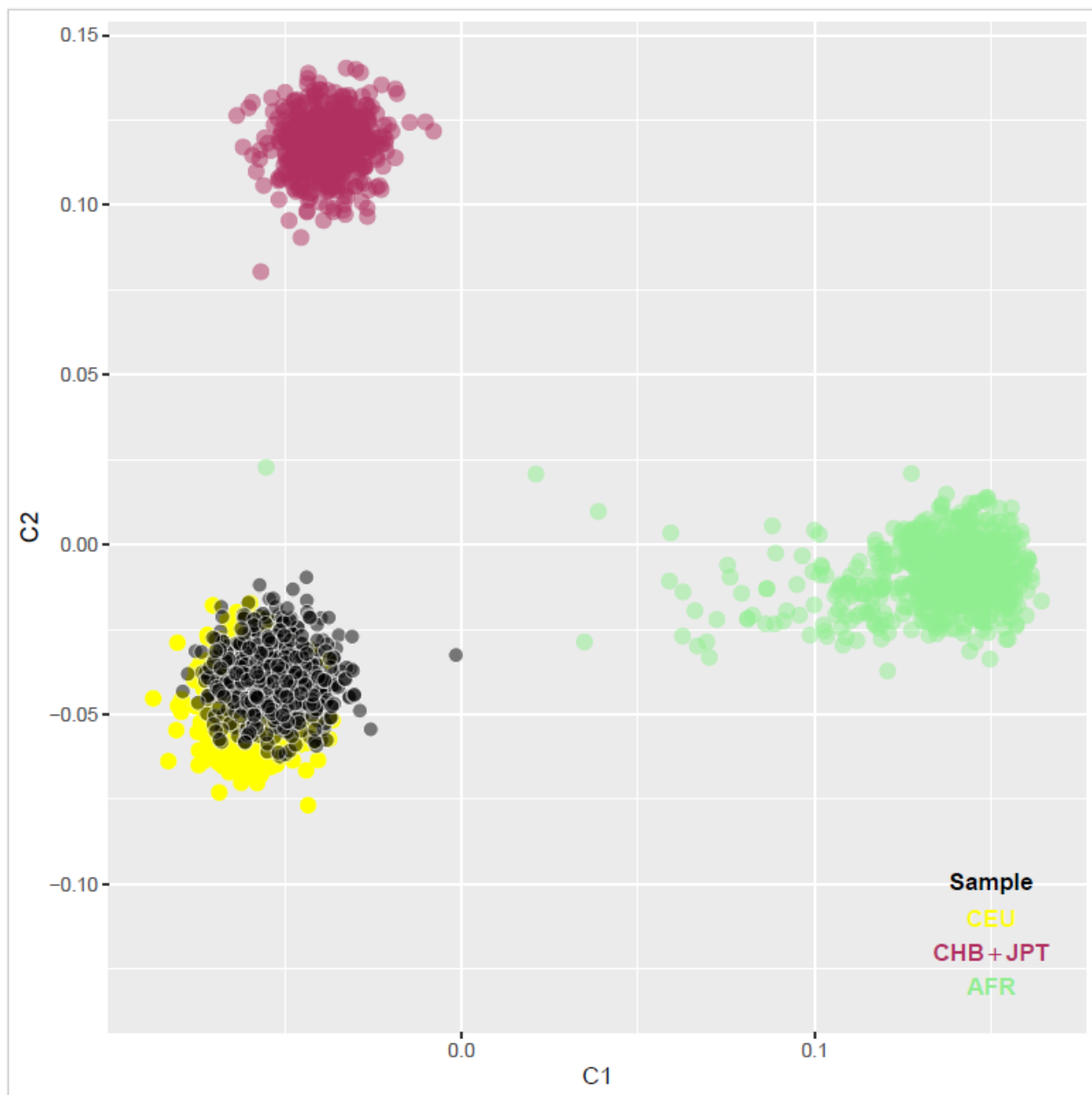




*Supplementary Figure 2. Population structure of the study cohort relative to reference populations. Multidimensional scaling (MDS) plot showing the genetic ancestry of study participants in relation to HapMap reference populations, including CEU (European ancestry), CHB+JPT (East Asian ancestry), and AFR (African ancestry). Study samples cluster consistently within the expected ancestry space, indicating minimal population stratification.*