

Description of Additional Supplementary Files

Supplementary Data 1: Description of the All of Us Cohort

Supplementary Data 2: Disease associations with EUR local ancestry at the HLA locus

Supplementary Data 3: Immune-related lab associations with EUR local ancestry at the HLA locus

Supplementary Data 4: Variance in phenotypes across individuals genetically similar to African and European populations

Supplementary Data 5: Summary of genome-wide significant ADM hits in AoU

Supplementary Data 6: Overlap of genome-wide significant ADM hits and low-complexity regions

Supplementary Data 7: Colocalization results between loci with multiple ADM associations

Supplementary Data 8: Description of the UKBB Cohort

Supplementary Data 9: Description of the PMBB Cohort

Supplementary Data 10: Summary of ADM replication in UKBB

Supplementary Data 11: Summary of ADM replication in PMBB

Supplementary Data 12: Summary of ADM associations after the GWAS Catalog variant conditional analyses

Supplementary Data 13: Summary of ADM associations after AoU variant conditional analyses

Supplementary Data 14: VEP analyses of variants which condition an ADM association

Supplementary Data 15: Replication of variants which tag an AoU ADM association in MVP

Supplementary Data 16: Association of quantitative traits with the G allele of rs11175880 in AFR-EUR Admixed individuals