**Supplemental Figure Legends.**

Figure S1. Leave-one-out sensitivity analysis reveals a stable causal relationship between Sjögren’s disease and Systemic Lupus Erythematosus in a GWAS of persons with European ancestry; Figure S2. Funnel Plot of effects of SjD variants in SLE GWAS performed in a cohort of persons with European ancestry; Figure S3. Leave-one-out sensitivity analysis reveals stable causal relationship between SLE and SjD in a GWAS of persons with European ancestry; Figure S4. Funnel Plot of effects of SLE variants on SjD GWAS performed in a cohort of persons with European ancestry; Figure S5. Leave-one-out sensitivity analysis reveals stable causal relationship between SjD and SLE in a GWAS of persons with East Asian ancestry; Figure S6. Funnel Plot of effects of SjD variants identified in SLE GWAS performed in a cohort of persons with East Asian ancestry; Figure S7. Leave-one-out sensitivity Analysis reveals stable causal relationship between SLE variants identified in GWAS of persons with East Asian ancestry on SjD in a GWAS of persons with European ancestry; Figure S8. Funnel Plot of effects of SjD variants identified in SLE GWAS performed in a cohort of persons with East Asian ancestry;

**Supplemental Table Legends**

Table S1: title; Index: Table of Contents for Supplemental Tables;Table S1A: SjD GWAS Regions, Putative Causal Genes and Overlaps;Table S1B: SjD Proxy Assignment for Khatri, et al. Table 1;Table S2: Links to online resources; Table S3A: Index of SjD genome-wide significant variant Tables; Table S3B: SjD genome-wide significant variants; Table S3C: TwoSample MR-formatted SjD variants from GWAS in cohorts of persons with European ancestry (EUR); Table S3D: TwoSample MR-formatted SjD variants from GWAS in cohorts of persons with East Asian ancestry (EAS); Table S4: MR analysis summary EUR SjD causal variants as effect, EUR SLE GWAS as outcome; Table S5A: Post-QC EUR SLE causal variant list in TwoSampleMR format; Table S5B: MR analysis summary EUR SLE causal variants as effect, EUR (Finngen) SjD GWAS as outcome; Table S6: MR analysis summary EAS SjD causal variants as effect, EAS SLE GWAS as outcome; Table S7: MR analysis summary EAS SLE causal variants as effect, EUR (Finngen) SjD GWAS as outcome; Table S8: Single SNP results corresponding to Figure 6 with unassociated variants of small minor allele frequency highlighted.