

Supplemental Data

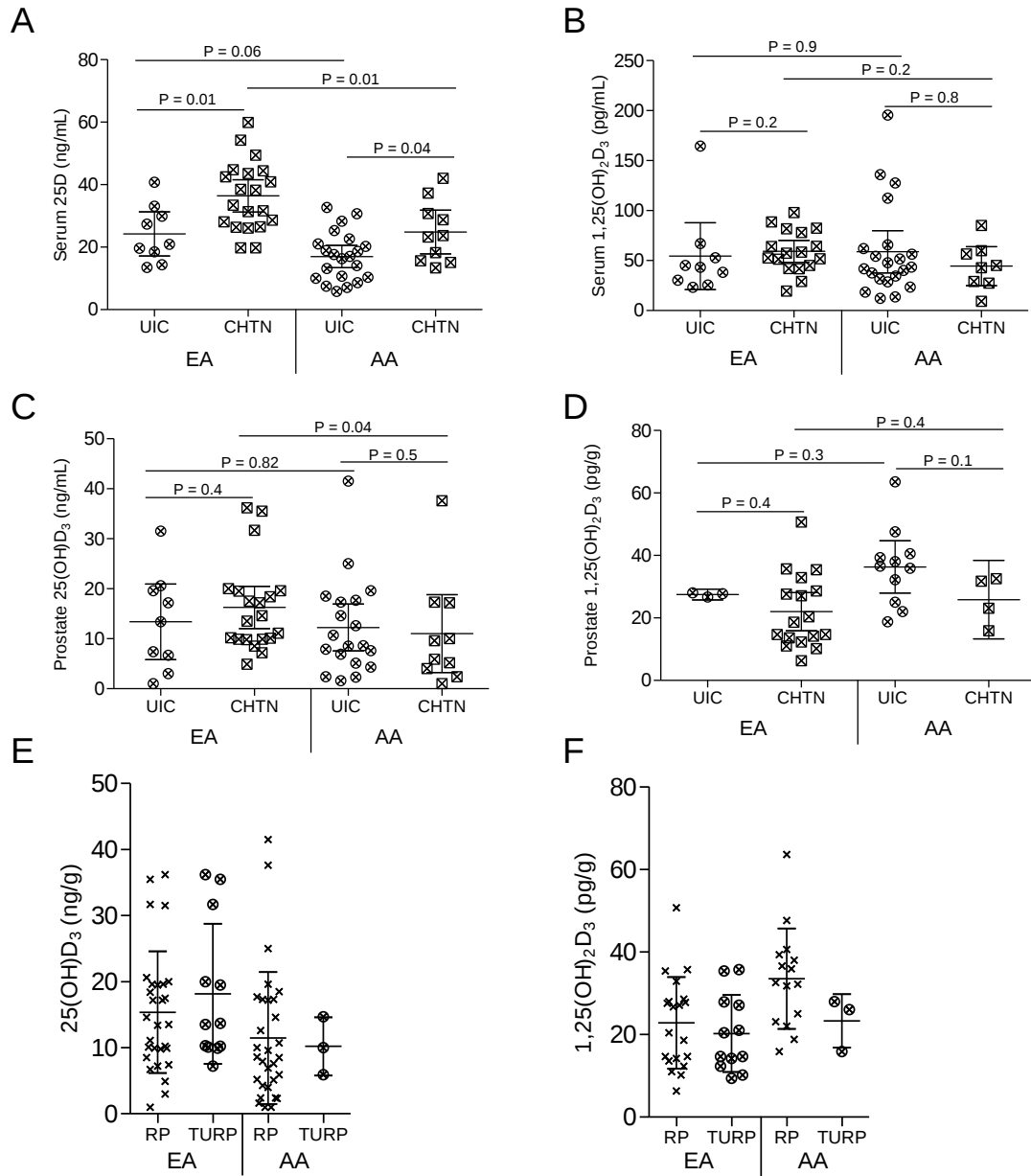


Figure S1. Quality control analyses for the vitamin D metabolite measurement. Comparison of vitamin D metabolite levels in serum and prostate by collection site **A-D**. Serum and prostate levels of 25(OH)D and 1,25(OH)₂D were measured by uHPLC-MS-MS in serum and prostate tissue specimens collected at the University of Illinois at Chicago (UIC) or the Cooperative Human Tissue Network (CHTN) Western Division in Nashville, TN. **A**, Serum 25(OH)D by collection site in African Americans (AA) and European Americans (EA). **B**, Serum 1,25(OH)₂D, **C**, prostate tissue 25(OH)D and **D**, 1,25(OH)₂D did not differ by site of collection. **E-F**, comparison between radical prostatectomy (RP) and transurethral resection of the prostate (TURP) specimens. Comparison of RP and TURP 25(OH)D, **E**, and 1,25(OH)₂D, **F**, in EAs and AAs. All comparisons made by two sided Wilcoxon signed-rank test.

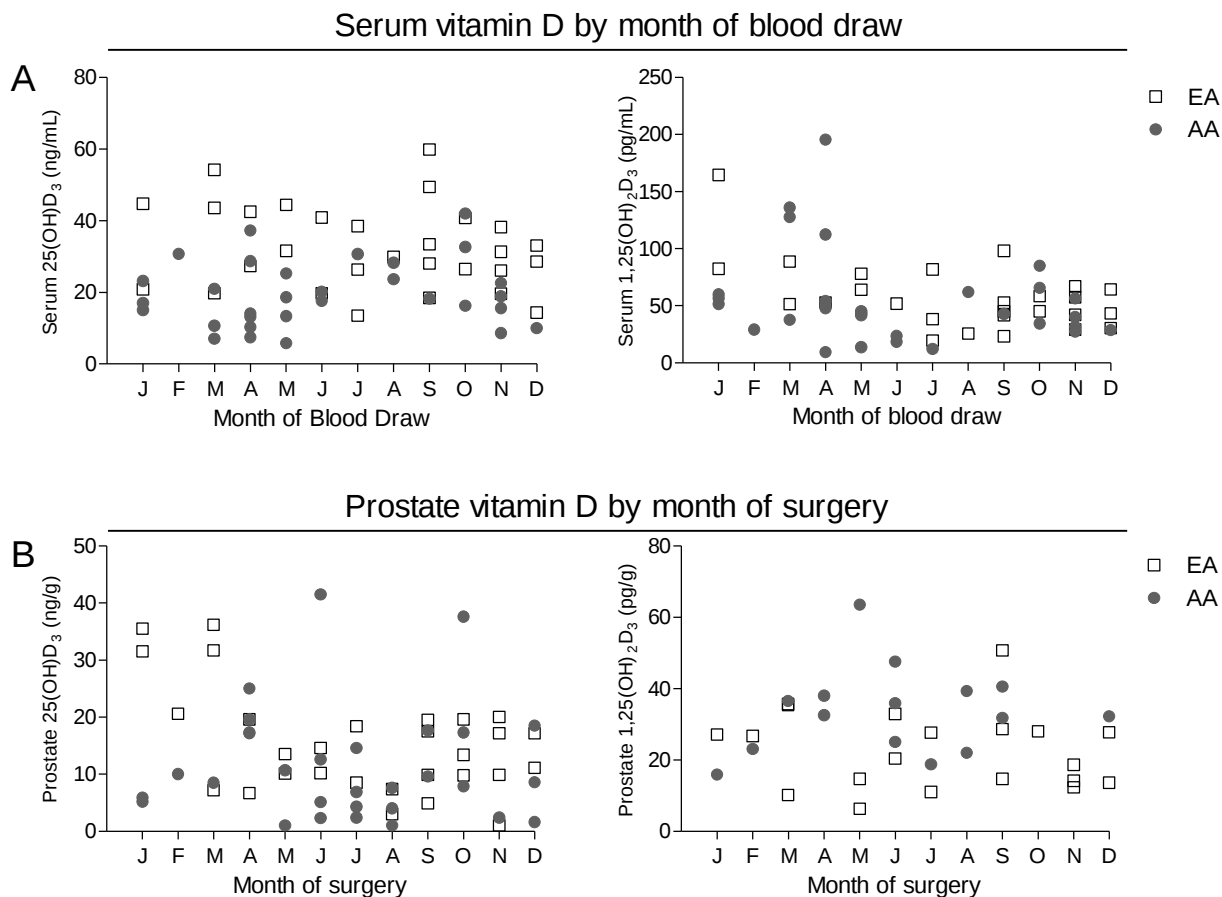


Figure S2. Serum and prostate vitamin D status stratified according to month of blood draw and surgery. Comparison of vitamin D metabolite levels between European American (EA) and African American (AA) populations in serum and prostate by collection month. **A**, Serum 25(OH)D and 1,25(OH)₂D, by collection month in AAs and EAs. **B**, prostate tissue 25(OH)D and 1,25(OH)₂D by collection month.

