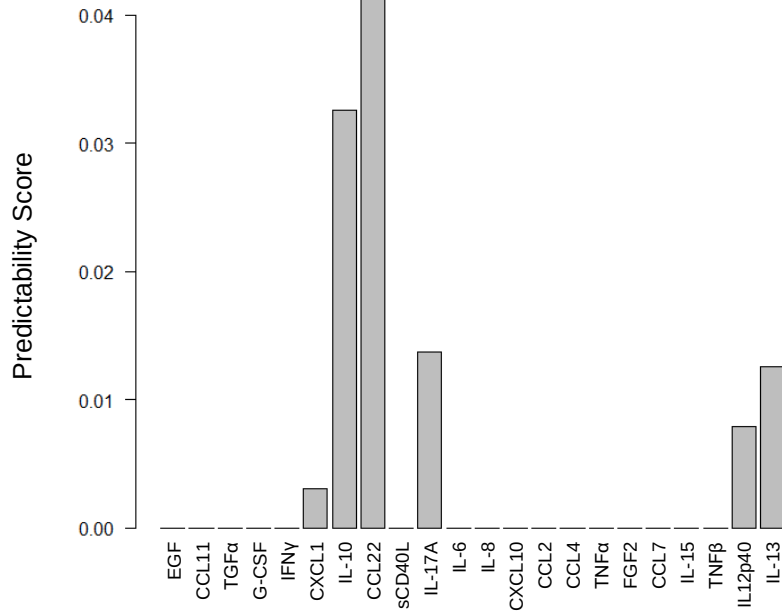
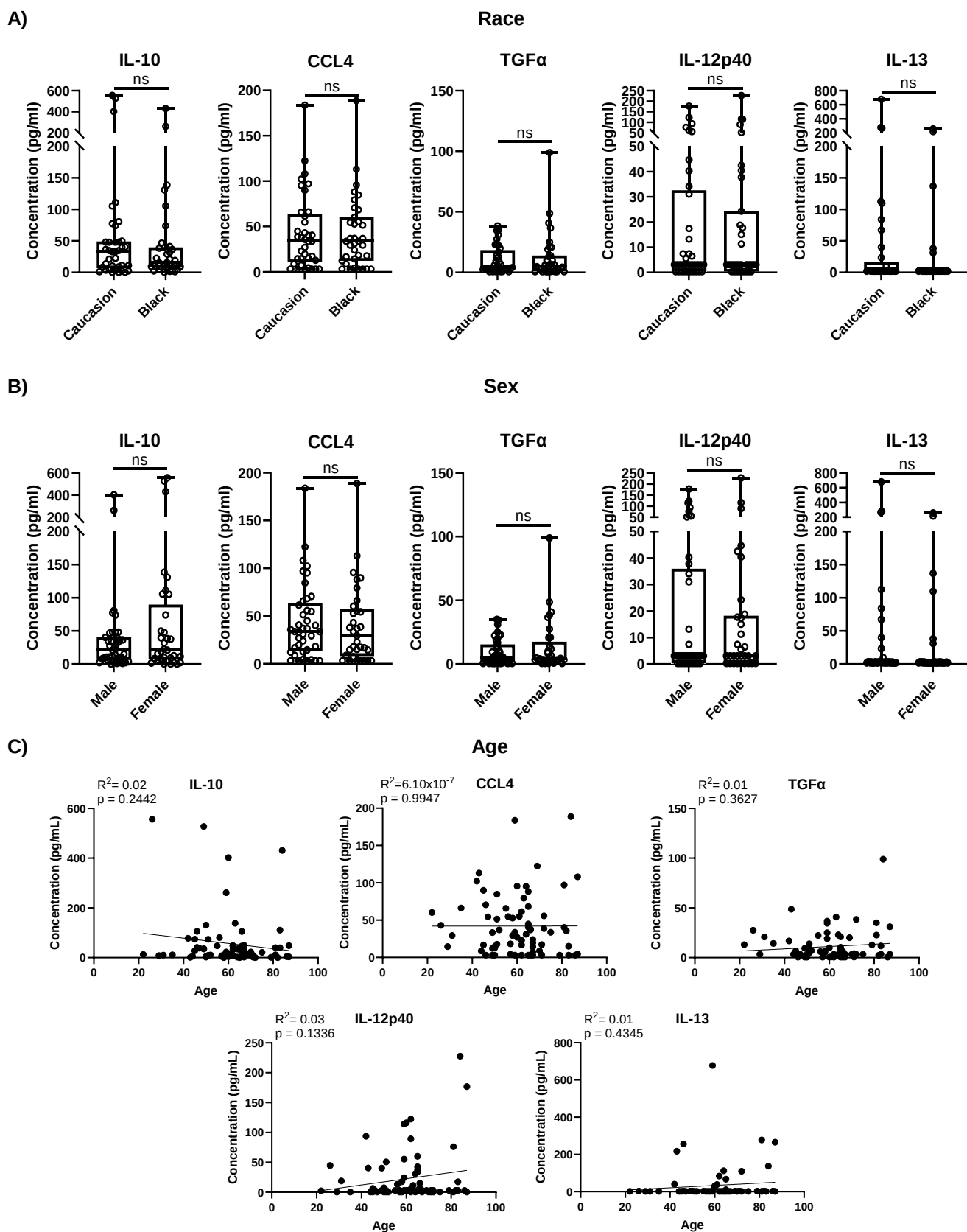




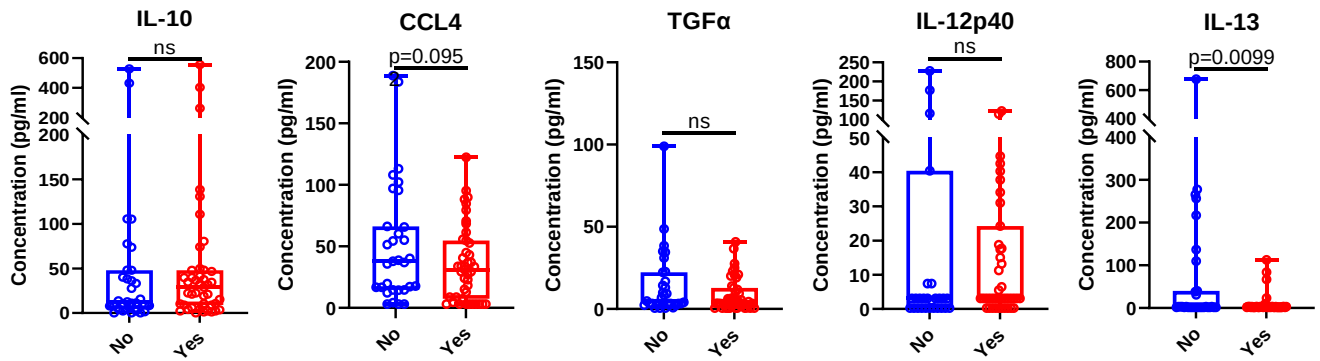
Supplemental Figure 1: Lasso regression model for 22 analytes from Figure 1. X-axis shows individual cytokines and chemokines, Y-axis shows score depicting “importance” in predicting infection outcome. “Predictive” analytes identified as $y > 0.00$.



Supplemental Figure 2: Relationship of demographic parameters to cytokine and chemokine levels in APMB. Cytokines and chemokines from Figure 2 were analyzed in the APMB group based on race (A), sex (B), and age (C). Significance determined via two-way unpaired t-test (A-B) or simple linear regression (C).

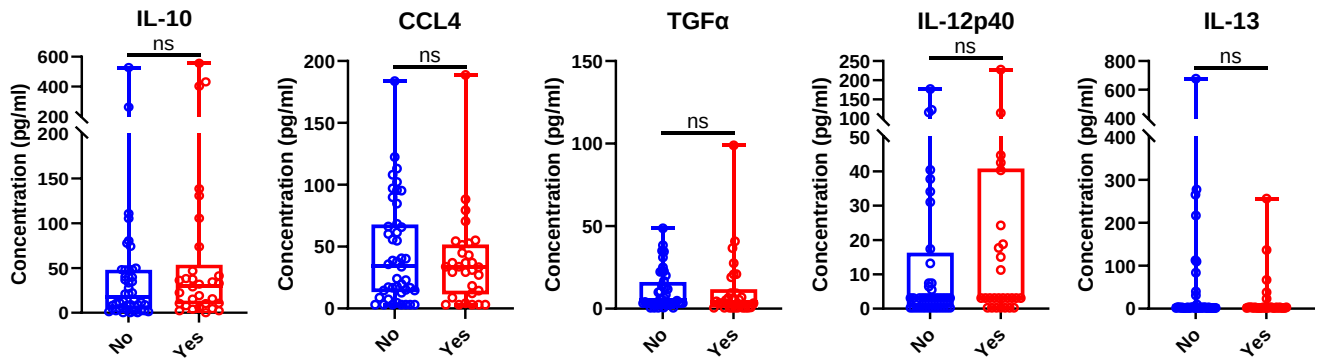
A)

Diabetes



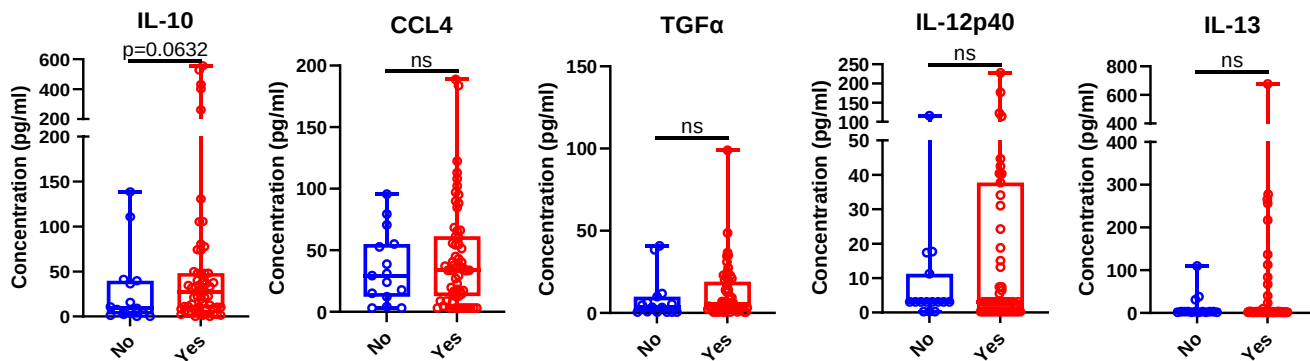
B)

Dialysis

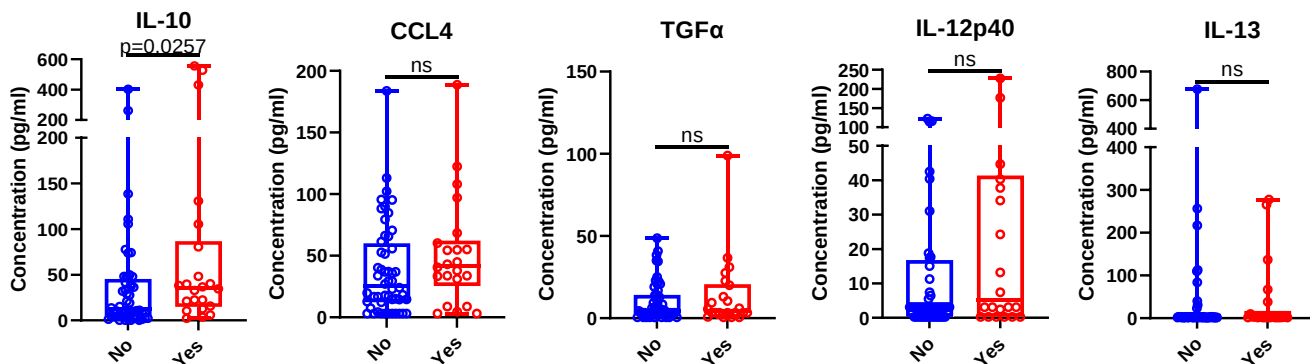


Supplemental Figure 3: Relationship of underlying conditions to cytokine and chemokine levels in APMB. Cytokines/chemokines from Figure 2 were analyzed based on presence or absence of **A)** diabetes and **B)** dialysis as underlying conditions in the APMB patient group. Significance determined via two-way unpaired t-test.

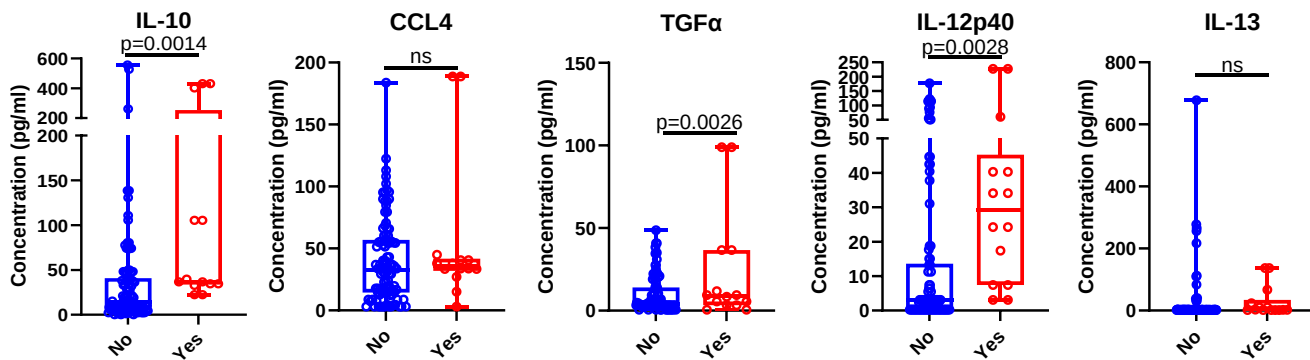
A) Metastatic Infection



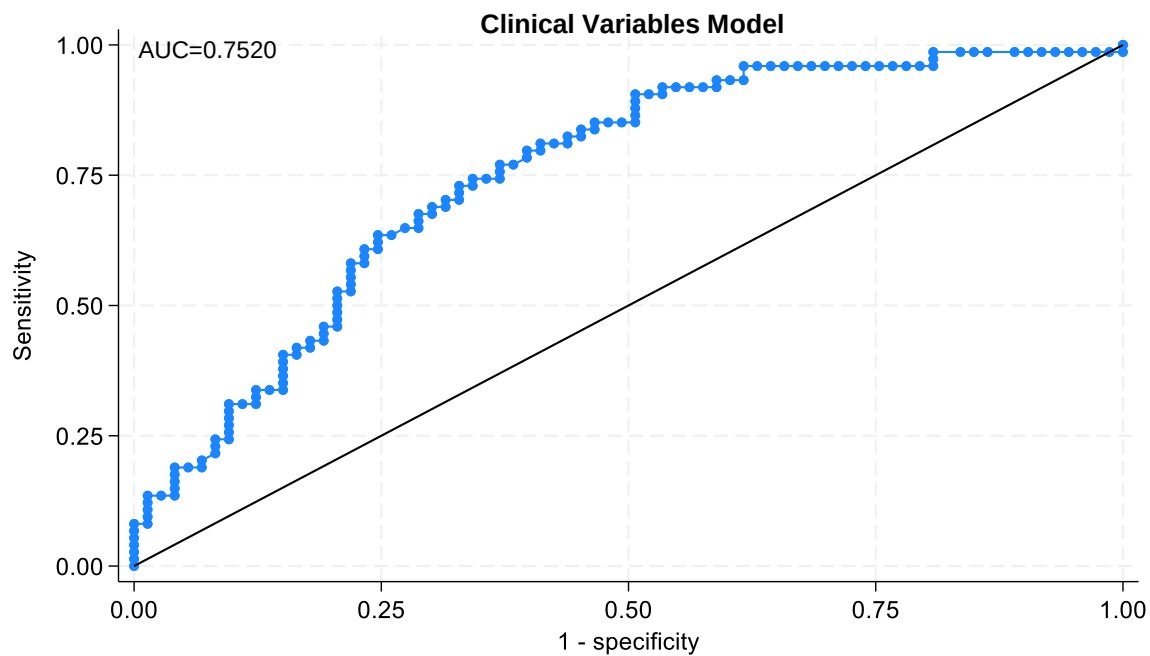
B) Cardiac Vegetation



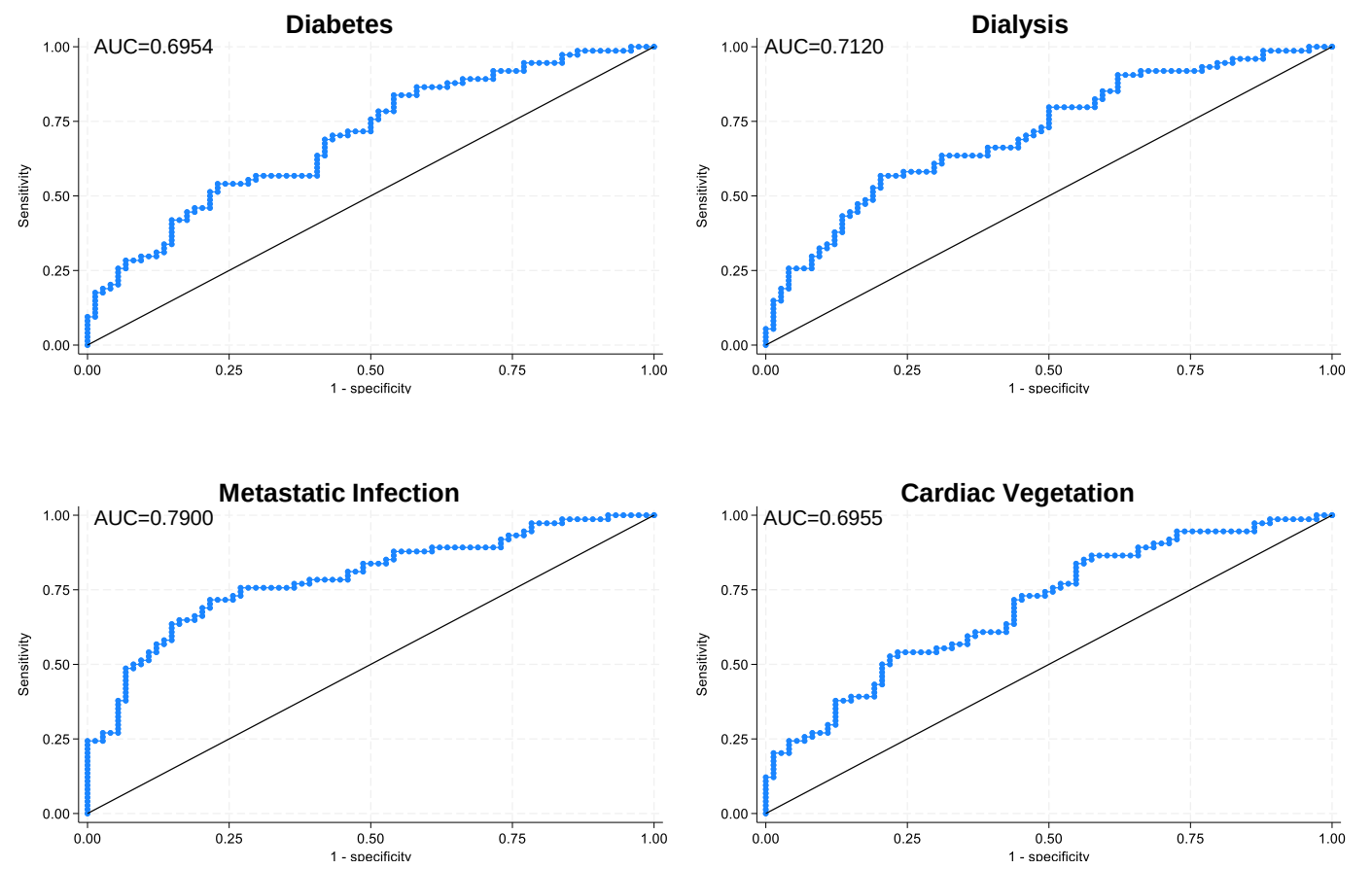
C) Mortality



Supplemental Figure 4: Relationship of individual clinical phenotypes and overall mortality to cytokine and chemokine levels in APMB. Cytokines/chemokines from Figure 2 were analyzed in the APMB group based on presence or absence of the following clinical variables: **A)** metastatic infection, **B)** cardiac vegetation, and **C)** all-cause mortality in the APMB patient group. Significance determined via two-way unpaired t-test.



Supplemental Figure 5: Effect of 4 clinical phenotype model on discriminating APMB outcome. Logistic regression model for combined training cohort. ROC curve built using 4 clinical variables.



Supplemental Figure 6: Effect of single clinical phenotype inclusion in cytokine model on discriminating APMB outcome. Logistic regression model for combined training cohort. ROC curves built using 8 cytokines/chemokines and single clinical variable. Clinical variable added is shown in title.