

Table S6. Adjusted associations¹ of APOL1 risk alleles with biomarkers among HIV-infected African-American women with eGFR>60ml/min/1.73m² (N=408)

| | | Models of inheritance | | |
|-----------------------------|--|------------------------|-----------------------|-----------------------|
| | | Recessive ² | Dominant ³ | Additive ⁴ |
| | % Estimate⁵ (95% CI) | P-value | P-value | P-value |
| Continuous outcomes | | | | |
| | ACR (mg/g) | 0.020 | 0.55 | 0.071 |
| | IL-18/Cr (pg/mg) | 0.52 | 0.69 | 0.49 |
| | KIM-1/Cr (pg/mg) | 0.28 | 0.57 | 0.26 |
| | NGAL/Cr (ng/mg) | 0.57 | 0.68 | 0.54 |
| | Prevalence Ratio⁶ (95% CI) | P-value | P-value | P-value |
| Dichotomous outcomes | | | | |
| | ACR >30mg/g | 0.018 | 0.83 | 0.079 |
| | Detectable α1m | 0.80 | 0.63 | 0.96 |

¹Multivariable models adjust for age, hypertension, diabetes mellitus, body mass index, HCV infection, HIV viral load, CD4 cell count, current HAART, eGFR, PC1, PC3, and PC5.

²P-value compares 2 vs 0/1 APOL1 risk alleles

³P-value compares 2/1 vs 0 APOL1 risk alleles

⁴P-value for trend, 2 vs 1 vs 0 APOL1 risk alleles

⁵Estimated percentage difference attributable to having 2 vs 0/1 APOL1 risk alleles.

⁶Adjusted prevalence ratio among individuals with 2 vs 0/1 APOL1 risk alleles.

Abbreviations: ACR, albumin-creatinine ratio; α1m, α1-microglobulin; CI, confidence interval; Cr, creatinine; eGFR, estimated glomerular filtration rate; IL-18, interleukin-18; KIM-1, kidney injury molecule-1; NGAL, neutrophil gelatinase-associated lipocalin; PC, principal component.