

Supplementary Material for

**Hemostatic Factors, *APOLI* Risk Variants and
the Risk of End-Stage Renal Disease
in the Atherosclerosis Risk in Communities Study**

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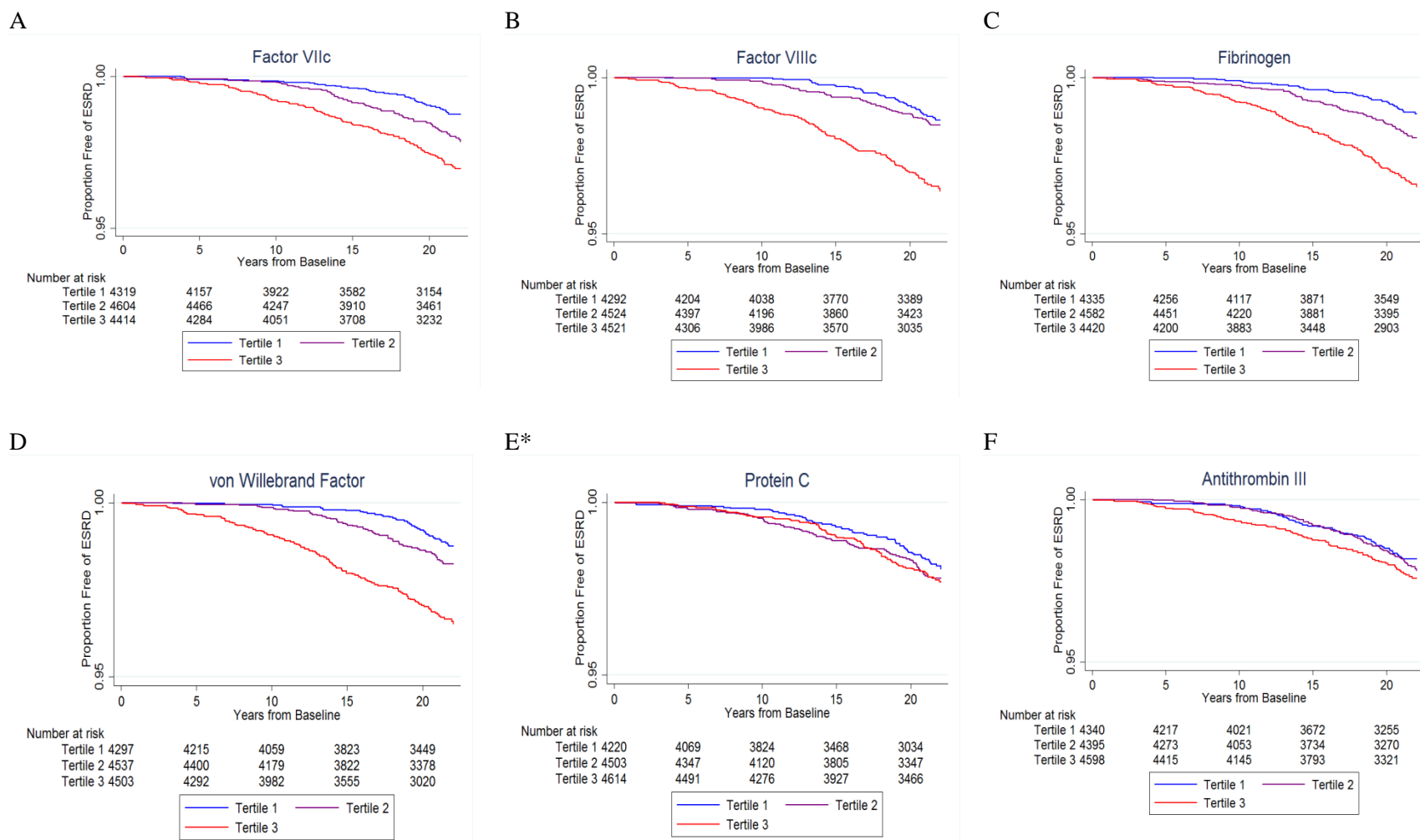
This file includes **Supplementary Table 1** and **Supplementary Figures 1 to 4**.

Supplementary Table 1. Spearman Correlations between Hemostatic Factors (N=13337)

	Factor VIIc	Factor VIIIc	Fibrinogen	von Willebrand Factor	Protein C	Antithrombin III
Factor VIIc	1	0.14	0.15	0.06	0.4	0.12
Factor VIIIc		1	0.26	0.73	0.09	0.08
Fibrinogen			1	0.24	0.08	0.21
von Willebrand Factor				1	0.08	0.01
Protein C					1	0.16
Antithrombin III*						1

*The sample size for antithrombin III was 13333.

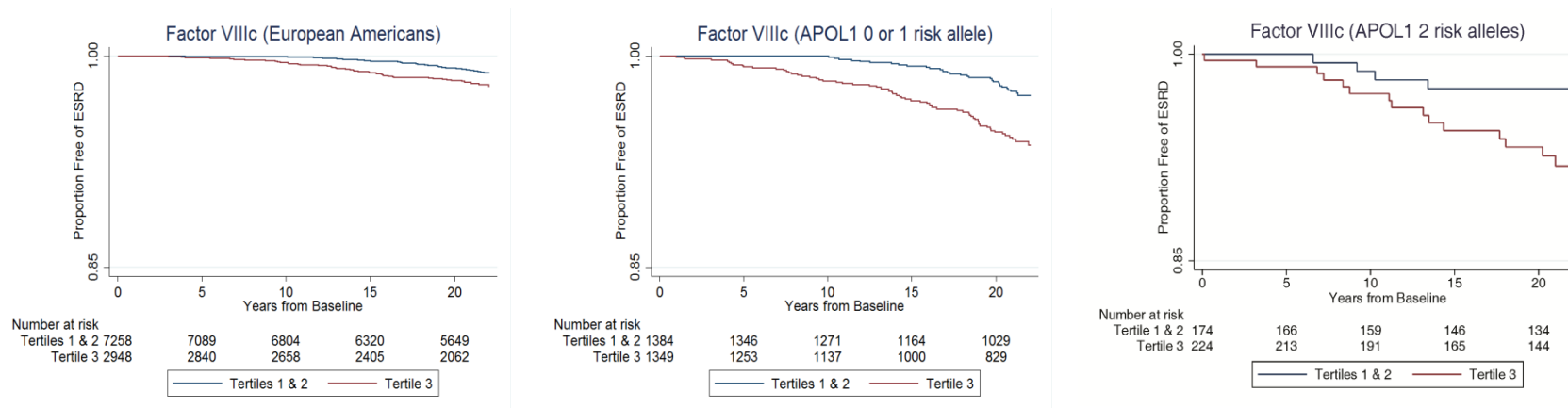
Supplementary Figure 1A to 1F. Kaplan-Meier estimates of proportion free of ESRD by tertiles of hemostatic factor levels.



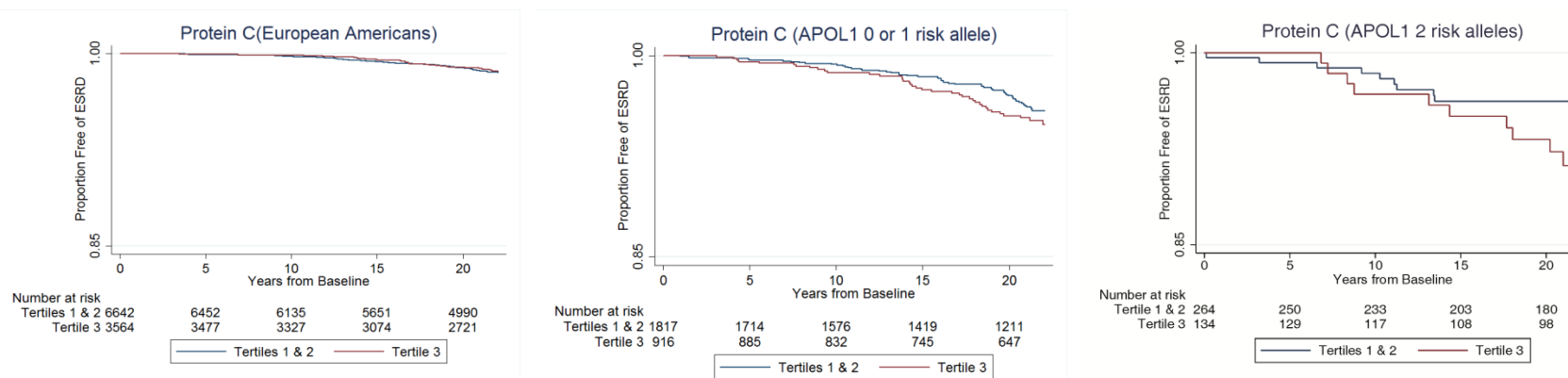
*Since the Kaplan-Meier curves of protein C cross, we also used logistic regression to evaluate the association between log-transformed protein C and ESRD and obtained similar results as using Cox regression (per IQR change, adjusted odds ratio 1.23, 95% CI: 1.03-1.47)

Figure 2A and B. Kaplan-Meier estimates of proportion free of ESRD by tertiles of factor VIIIc (A) and protein C (B) in the three ancestry-*APOL1* groups

A

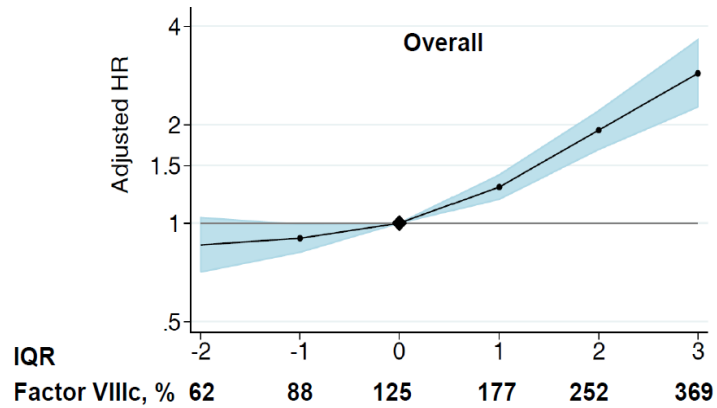


B*



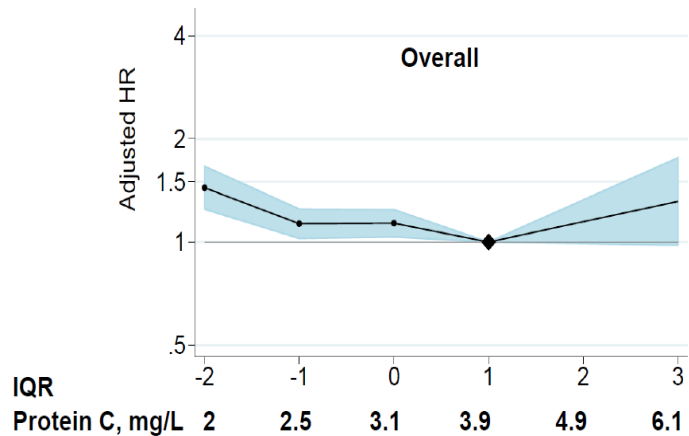
*Since the Kaplan-Meier curves of protein C cross in the *APOL1* 2 risk alleles group, we used logistic regression to evaluate the association between log-transformed protein C and ESRD for each ancestry-*APOL1* group and obtained similar results as using Cox regression (per one IQR higher: European-American, OR 1.02, 95% CI: 0.81-1.28; *APOL1* 0/1 risk allele, OR 1.31, 95% CI: 1.01-1.69; *APOL1* 2 risk alleles, OR 2.77, 95% CI: 1.46-5.23, p for interaction: between European-Americans and the *APOL1* 2 risk alleles 0.003, between the *APOL1* 0/1 risk allele and 2 risk alleles 0.03)

Supplementary Figure 3. Adjusted hazard ratio of mortality associated with factor VIIIc levels standardized by IQR.



IQR was centered at the median, which is also the reference point of the adjusted hazard ratio

Supplementary Figure 4 Adjusted hazard ratio of mortality associated with protein C levels standardized by IQR.



IQR was centered at the median. The reference point for the adjusted HR was 1 IQR above the median.