Supplementary Figures for "Factor XIII mediates red blood cell retention in venous thrombi"
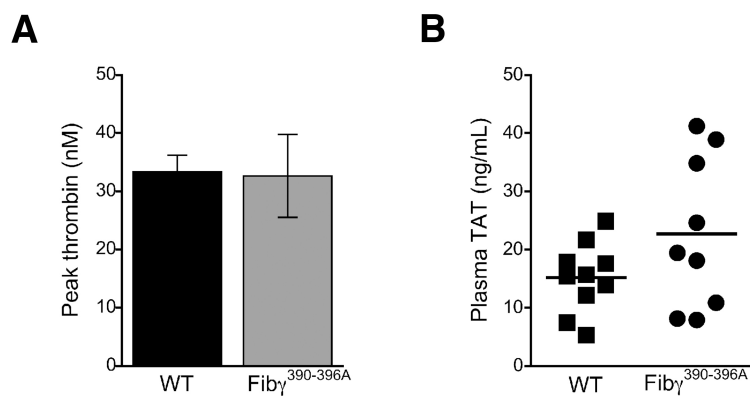
by Aleman et al.

Supplemental Figure 1

A **B**

Supplemental Figure 1. **Procoagulant activity is normal in Fibγ$^{390\text{-}396A}$ mice.** (**A**) *Ex vivo* peak thrombin generation in plasmas from WT and Fibγ$^{390\text{-}396A}$ mice (n=6). Data are means ± SEM. (**B**) Circulating thrombin-antithrombin (TAT) complex levels in WT and Fibγ$^{390\text{-}396A\ \text{mice}}$ following thrombus formation (stasis model). Each dot represents an individual mouse. Lines are means.
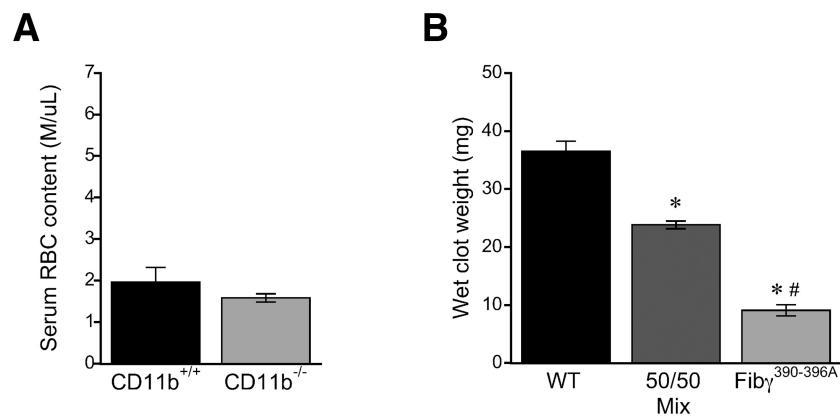
Supplemental Figure 2
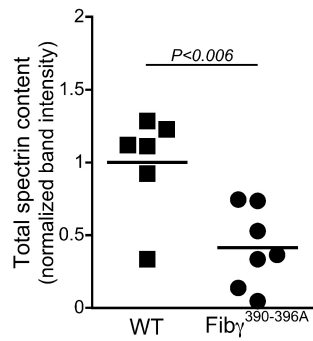
Supplemental Figure 2. Thrombi from Fibγ$^{390-396A}$ mice have lower erythrocyte spectrin α1 levels.
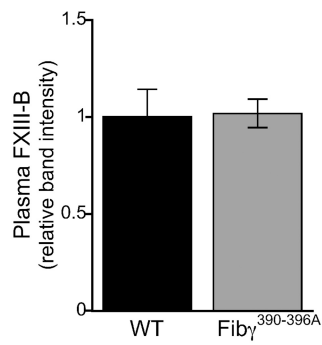
Relative level of erythrocyte spectrin α1 levels in WT and Fibγ$^{390-396A}$ thrombus lysates. Each dot

represents an individual mouse. Lines are means.
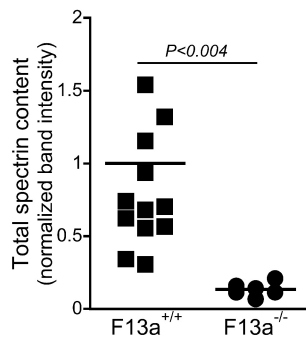
Supplemental Figure 3

A

B

Supplemental Figure 3. **CD11b is not involved in RBC retention and a 50/50 mix of WT and Fibγ$^{390-396A}$ blood has an intermediate phenotype.** (**A**) Serum RBC content following thrombin-initiated clot retraction of re-calcified *CD11b$^{-/-}$* whole blood (n=4). Data are means ± SEM. (**B**) Wet clot weight of fully retracted clots from WT and Fibγ$^{390-396A}$ blood mixed in equal parts. Data are means ± SEM. *$P<0.002$ versus WT and $^{#}P<0.0005$ versus 50/50 mix by ANOVA with Bonferroni post hoc test.

Supplemental Figure 4

Supplemental Figure 4. Fibγ$^{390-396A}$ mice have normal plasma FXIII-B levels. Relative level of

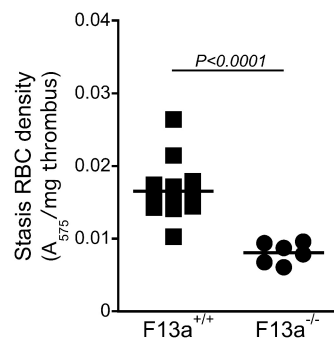FXIII-B in WT and Fibγ$^{390-396A}$ plasmas. Data are means ± SEM (n=4).

Supplemental Figure 5

Supplemental Figure 5. Thrombi from *F13a$^{-/-}$* mice have lower erythrocyte spectrin α1 levels.

Relative level of erythrocyte spectrin α1 levels in *F13a$^{+/+}$* and *F13a$^{-/-}$* thrombus lysates. Each dot represents an individual mouse. Lines are means.

Supplemental Figure 6

Supplemental Figure 6. Thrombi from *F13a$^{-/-}$* mice have reduced RBC density. Thrombus RBC content per mg thrombus. Each dot represents an individual mouse. Lines are means.