

Figure S1. Genotyping and platelet *Itgb3* expression in *Itgb3*<sup>-/-</sup>, *Itgb3*<sup>+/-</sup> and *Itgb3*<sup>+/+</sup> mice. (A) Genotyping of the three types of mice by PCR. (B) *Itgb3* protein expression in the washed platelets from three types of mice by western blot analysis. (C) Gating of the platelet populations in whole blood from mice. (D and E) Scatter diagrams of integrin *Itgb3* ( $\beta_3$ , CD61) and *Itga2b* ( $\alpha$ IIb, CD41) expression on the platelets from the three types of mice using flow cytometry. PE-conjugated anti-CD61 antibody is used to label the integrin *Itgb3* ( $\beta_3$ ) and PE/CY7-conjugated anti-CD41 is used to label the integrin *Itga2b*. Level of the integrin *Itgb3* ( $\beta_3$ , CD61) expression. CY7, cyanine7; *Itgb3*, integrin  $\beta_3$ ; FSC, forward scatter; PE, phycoerythrin; SSC, side scatter.

