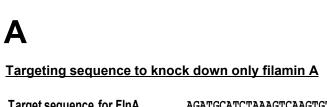
Figure S1. Establishment of embryonic stem cell lines with reduced expression of

Filamin A and their differentiation into megakaryocytes and platelets. (**A**) shRNA sequence used to knock down filamin A, with corresponding immunoblot (**panel B**) of the ES cell line termed

FlnA_{Low}. (**C**) As shown schematically in **Fig. 2A**, CD41-positive cells were isolated from embryoid bodies that had been derived from FlnA_{Low} embryonic stem cells and cultured in the presence of TERT-TPO stroma feeder cells for an additional six days. % GFP + FlnA_{Low} cells were reduced from 31 % (EB Day 6 CD41 Day 0) to 10% (EB Day 12 CD41 Day 6). (**D**) FACS analysis of platelet size in the FlnA_{Low}, GFP-positive versus the FlnA_{Normal}, GFP-negative population.

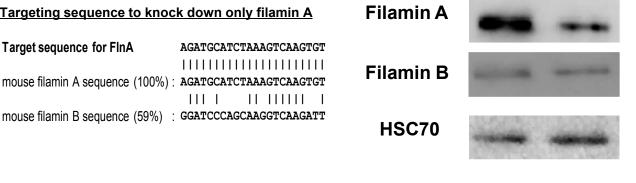
Figure S2. Flow cytometric analysis of size and F-actin content of platelets from wild-type, Tg33, and GPIbα-null mice. After incubation with and FITC-labeled CD41 antibody to mark platelets, whole blood samples were fixed, permeabilized, and stained for F-actin. Relative expression is represented as mean fluorescent intensity, with expression in wild-type platelets arbitrarily set to 100. Note that the increase in F-actin content increases relatively proportional with platelet size.

Figure S1

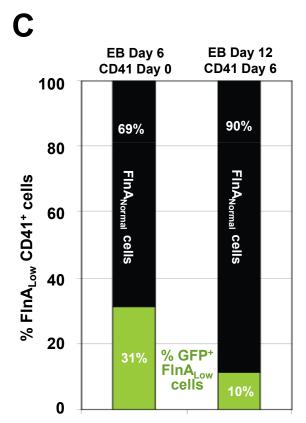


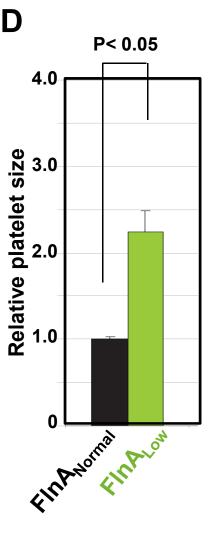
mouse filamin A sequence (100%): AGATGCATCTAAAGTCAAGTGT

mouse filamin B sequence (59%) : GGATCCCAGCAAGGTCAAGATT



B





FINANOIMAI FINALOW

Figure S2

