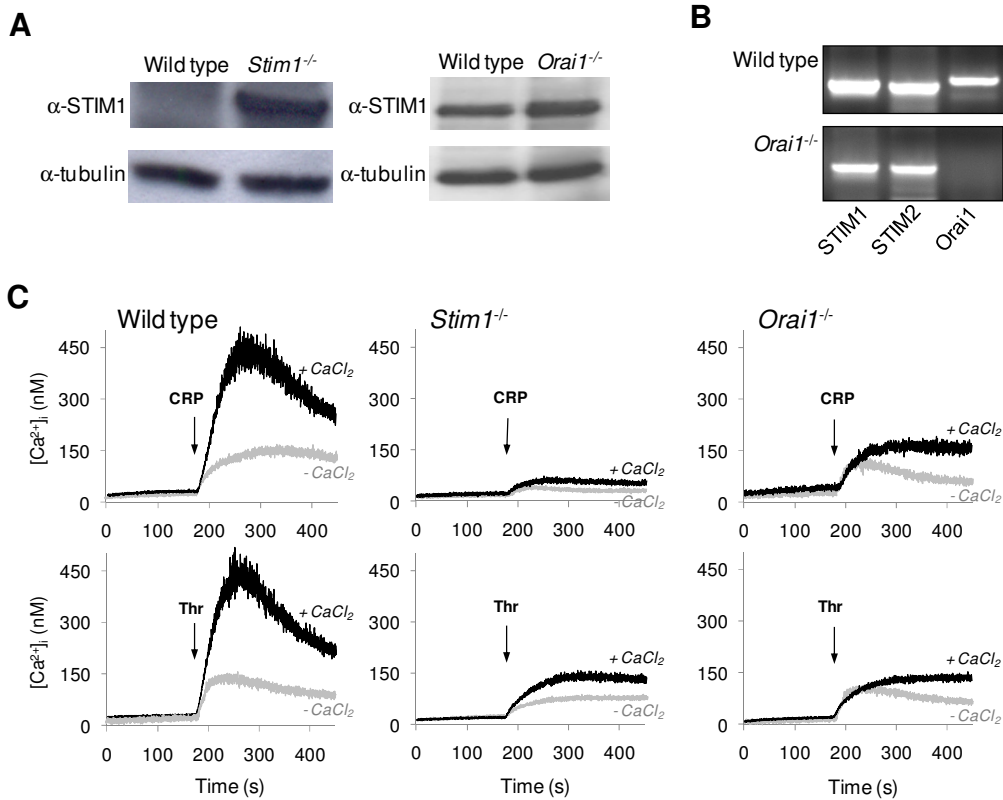


ROLES OF PLATELET STIM1 AND ORAI1 IN GLYCOPROTEIN VI- AND THROMBIN-DEPENDENT PROCOAGULANT ACTIVITY AND THROMBUS FORMATION*^S

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SUPPLEMENTAL FIGURE 1. Defective GPVI- and thrombin-receptor induced Ca^{2+} signaling in platelets deficient in STIM1 or Orai1. *A*, Expression profiles of STIM1 protein in platelets from wild type (WT) and chimeric *Stim1*^{-/-} or *Orai1*^{-/-} mice. Western blots are given after probing with anti-STIM1 mAb; blots were reprobed with anti-tubulin mAb as control. *B*, RT-PCR indicating absence of *Orai1* transcript but presence of *Stim1* and *Stim2* transcripts in platelets from chimeric *Orai1*^{-/-} mice. *C*, impaired Ca^{2+} responses of *Stim1*^{-/-} and *Orai1*^{-/-} platelets especially in the presence of $CaCl_2$. Fura-2-loaded platelets were stimulated with 10 μ g/ml CRP (*upper panels*) or 0.9 nM thrombin (*Thr, lower panels*) in the presence or absence of 1 mM $CaCl_2$, as indicated. Shown are representative traces of rises in $[Ca^{2+}]_i$ ($n = 3-5$).