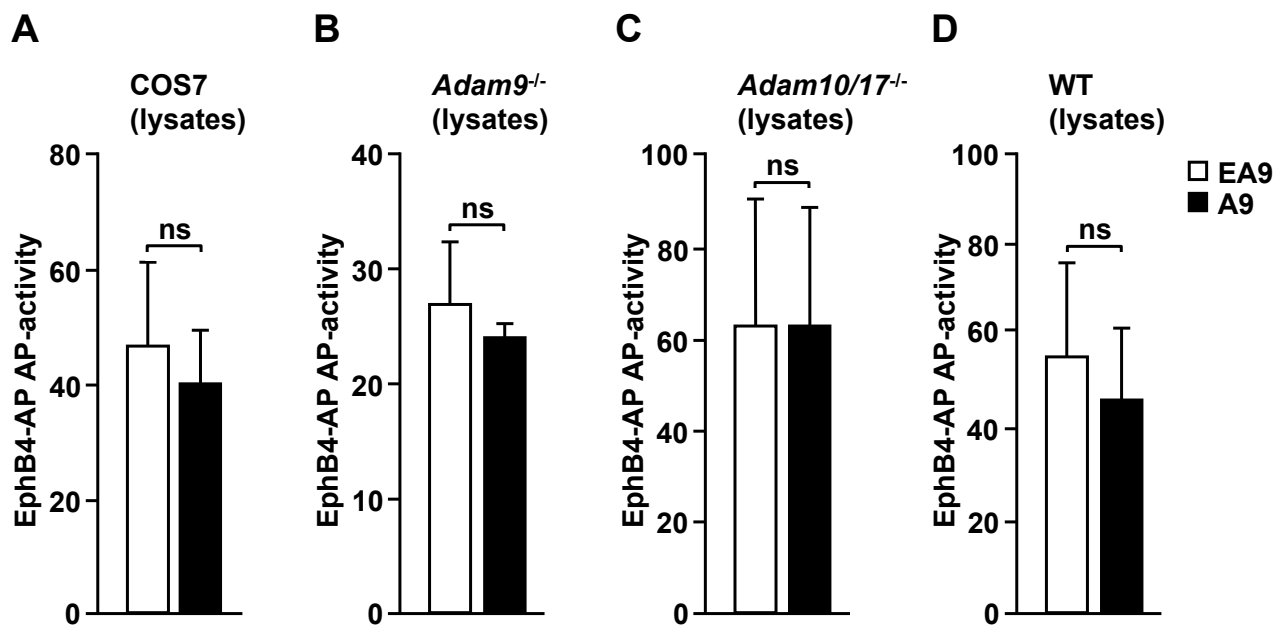
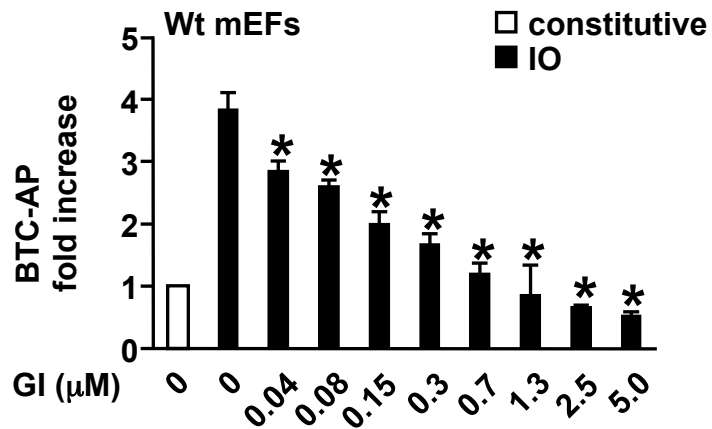


Supplementary Figures for the manuscript entitled
“Characterization of the Catalytic Properties of the Membrane-anchored
Metalloprotease ADAM9 in Cell-based assays”, by Marezky T. et al.



Supplementary Figure 1. Comparison of the levels of alkaline phosphatase activity in the cell lysates of EphB4-AP transfected cell lines shown in Figure 1.

Analysis of the AP-activity of EphB4-AP in the cell lysates of COS7 cells (A), *Adam9*^{-/-} (B), *Adam10/17*^{-/-} (C) and wild type (WT) mEFs (D) co-transfected WT ADAM9 (A9) or inactive E>A control (EA9) confirmed overexpression of EphB4-AP at similar levels. Representative data of 3 separate experiments; ns = not significant, Student's t-test.



Supplementary Figure 2. Inhibitor profile of the preferential ADAM10 inhibitor GI254023X towards shedding of the ADAM10 substrate betacellulin.

The inhibitor GI254023X dose-dependently decreased the Ionomycin (IO)-stimulated betacellulin (BTC) shedding from wild type (WT) mEFs, which depends on ADAM10. Representative data of 3 separate experiments. Dunnett's test, * $P \leq 0.05$; \pm SEM