**Supplementary Figure 4**

**Figure S4.** TGF-β does not have an effect on Arkadia/Axin-induced poly-ubiquitination and degradation of Smad7. (A) FLAG-Smad7, Myc-Ub, with or without Arkadia, Axin were cotransfected with increasing amounts of CaTβRI. Cells were treated with 10 μM MG132 for additional 4 h at 32 h post-transfection and were then lysed for immunoprecipitation with anti-FLAG, followed by Western blotting with different antibodies as indicated.

(B) HEK293T cells were transfected with FLAG-Smad7, Arkadia, and Axin in the presence or absence of CaTβRI. At 36 h after transfection, cells were treated with 100 μCi/ml [35S] methionine and cysteine in Methionine- and cysteine-free DMEM for 1 h at 37 °C, then washed with PBS and chased in DMEM supplemented with 10% FBS, 2 mM methionine and 0.5 mM cysteine for the time periods indicated. Cells were lysed with RIPA buffer and subjected to immunoprecipitation with anti-FLAG, followed by SDS-PAGE.