



**Supplemental Fig. S4.** pCOX2-0.8 activity in response to Wnt/ $\beta$ -catenin signaling in HEK293 cells. (A) Reporter gene assay HEK293 cells, co-transfected transiently with 10 ng pCOX-0, 8 with 5 and 10 ng of  $\beta$ -catenin S33Y and 10 ng of empty vector as control. (B) MKN45 cells was transiently transfected with 10 ng pCOX2-0,4 with 5 and 10 ng of S33Y  $\beta$ -catenin and 10 ng of empty vector as control. (C) As a positive control 10ng of Super Top Flash (STF) was co-transfected with 10 ng of S33Y  $\beta$ -catenin. (D) Effect of site-directed mutation in TBE site in pCOX2-0,8 reporter gene assays in HEK293 cells transfected with 10 ng of pCOX2-0,8 and mutated pCOX2-0,8 (MpCOX-08) in the presence and absence of 5 and 10 ng of S33Y  $\beta$ -catenin, using equal amounts of empty vector as a control. In all trials 1 ng of PRL-SV40 Renilla was transfected as an internal control. Promoter activity was normalized as the ratio between firefly luciferase and Renilla units (RLU). Each figure corresponds to a representative result of three independent experiments. Statistical significance was determined through ANOVA test (\*  $p < 0.05$ , \*\*  $p < 0.01$ ).