Supplementary Figures

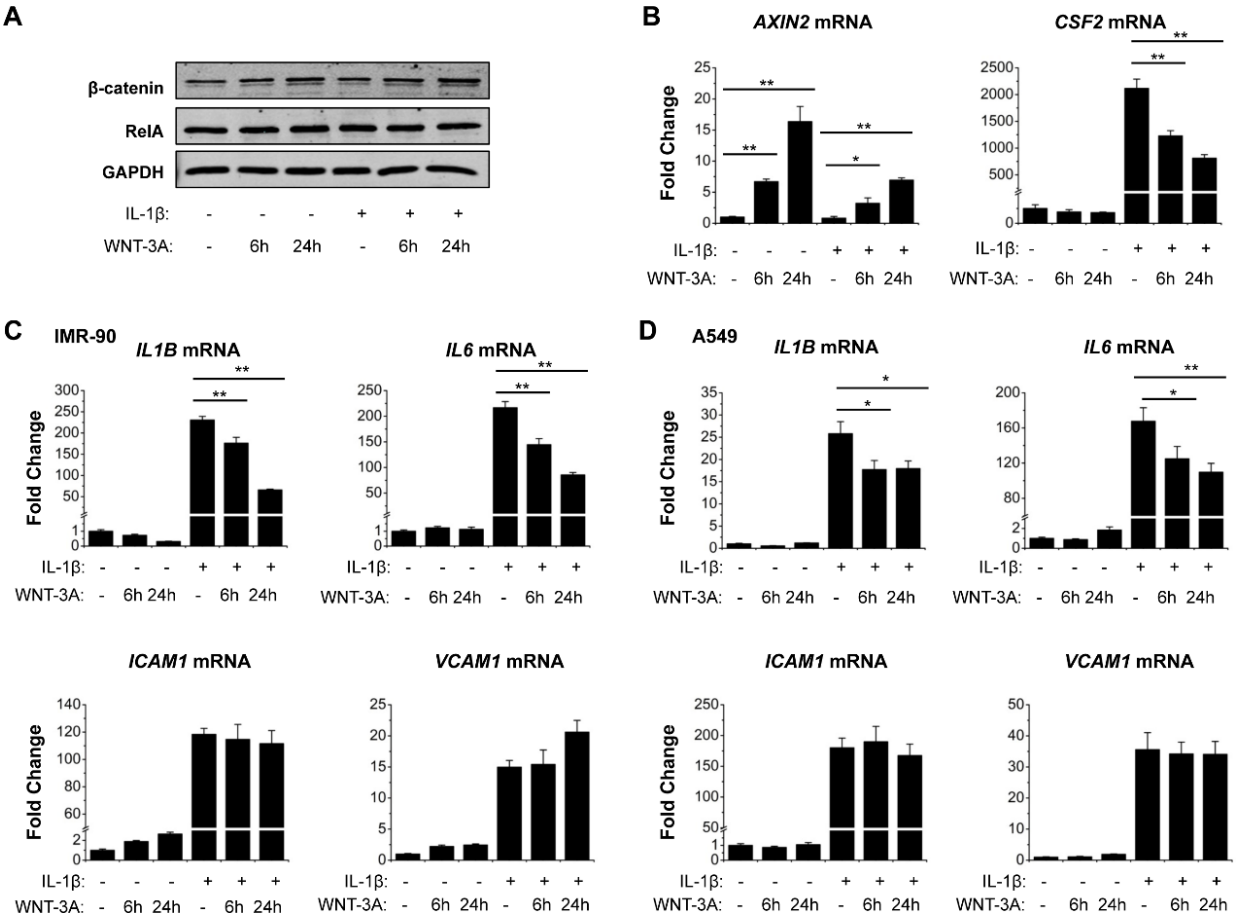

Fig. S1. (A) MRC-5 cells were treated with WNT-3A for the indicated times and IL-1β was added 4 h before harvest of samples. Protein expression was analyzed by Western blot (representative blot of 2 independent experiments shown). (B–D) MRC-5 (B), IMR-90 (C) and A549 (D) cells were treated with WNT-3A for the indicated times and IL-1β was added 4 h before harvest of samples. mRNA expression was measured by qRT-PCR. * $P < 0.05$; ** $P < 0.01$; n = 3.

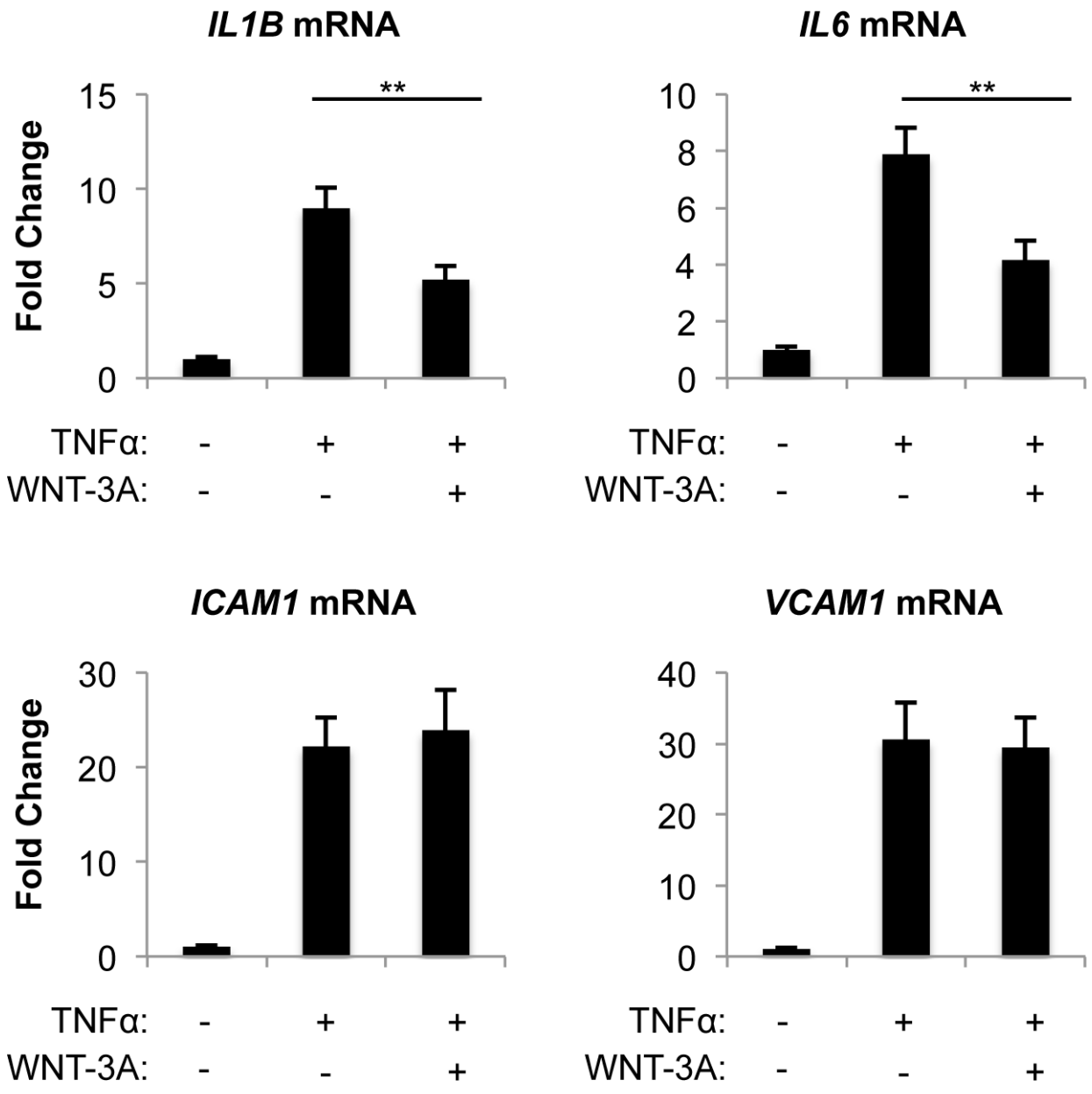

Fig. S2. MRC-5 cells were treated with WNT-3A for 24 h and TNFα was added for 4 h before harvest of samples. mRNA expression was measured by qRT-PCR.** $P < 0.01$; n = 3.

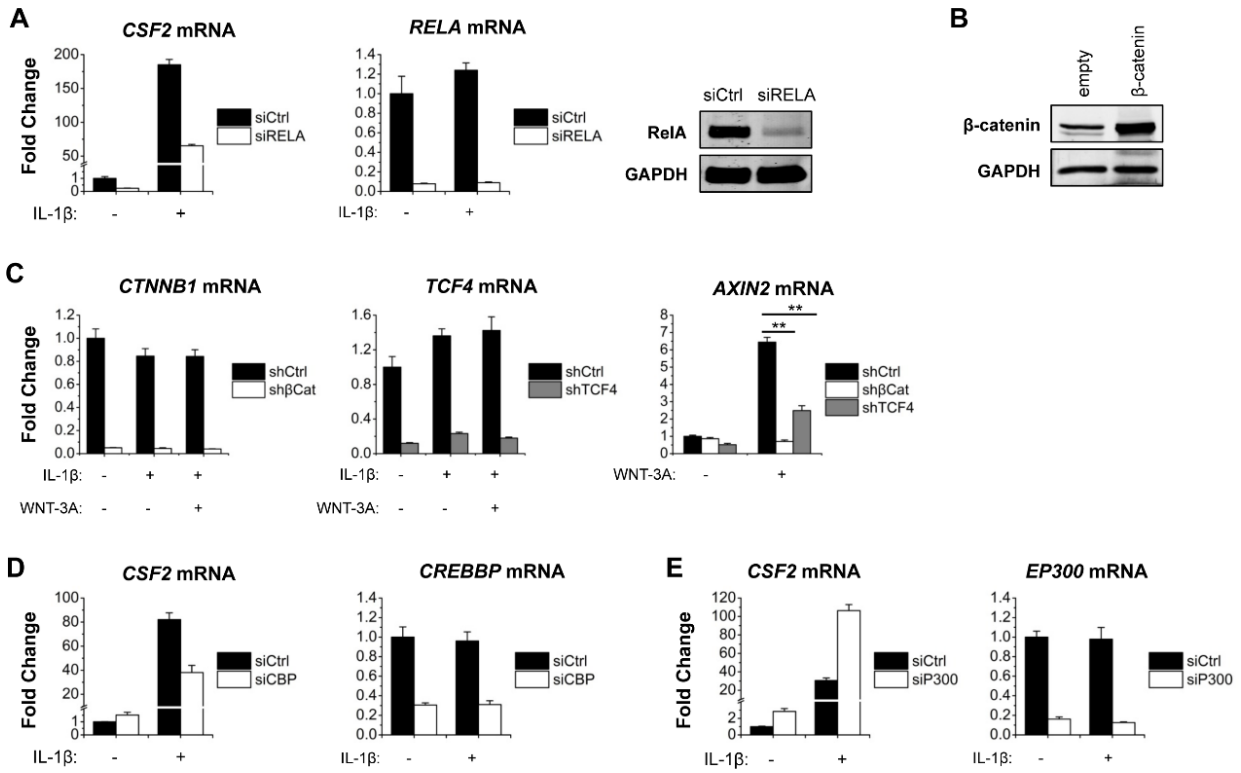

Fig. S3. (A) MRC-5 cells were transfected with control siRNA (siCtrl) or siRNA against RelA (siRELA) and then stimulated with IL-1β for 4 h. mRNA expression was measured by qRT-PCR. Protein expression was analyzed by Western blot. (B) Western blot analysis of protein expression in MRC-5 cells transduced with lentiviruses expressing empty control and β-catenin. (C) MRC-5 cells were transduced with lentiviruses expressing either control shRNA (shCtrl), shRNA against β-catenin/*CTNNB1* (shβCat) or TCF4 (shTCF4) for 3 d and then stimulated with IL-1β for 4 h. mRNA expression was measured by qRT-PCR. ** $P < 0.01$; n = 3. (D) MRC-5 cells were depleted of CBP (CREBBP) by siRNA tranfection and stimulated with IL-1β for 4 h. mRNA expression was measured by qRT-PCR. (E) MRC-5 cells were depleted of p300 (EP300) by siRNA tranfection and stimulated with IL-1β for 4 h. mRNA expression was measured by qRT-PCR. For Western blot data, representative blots of 2 independent experiments are shown.

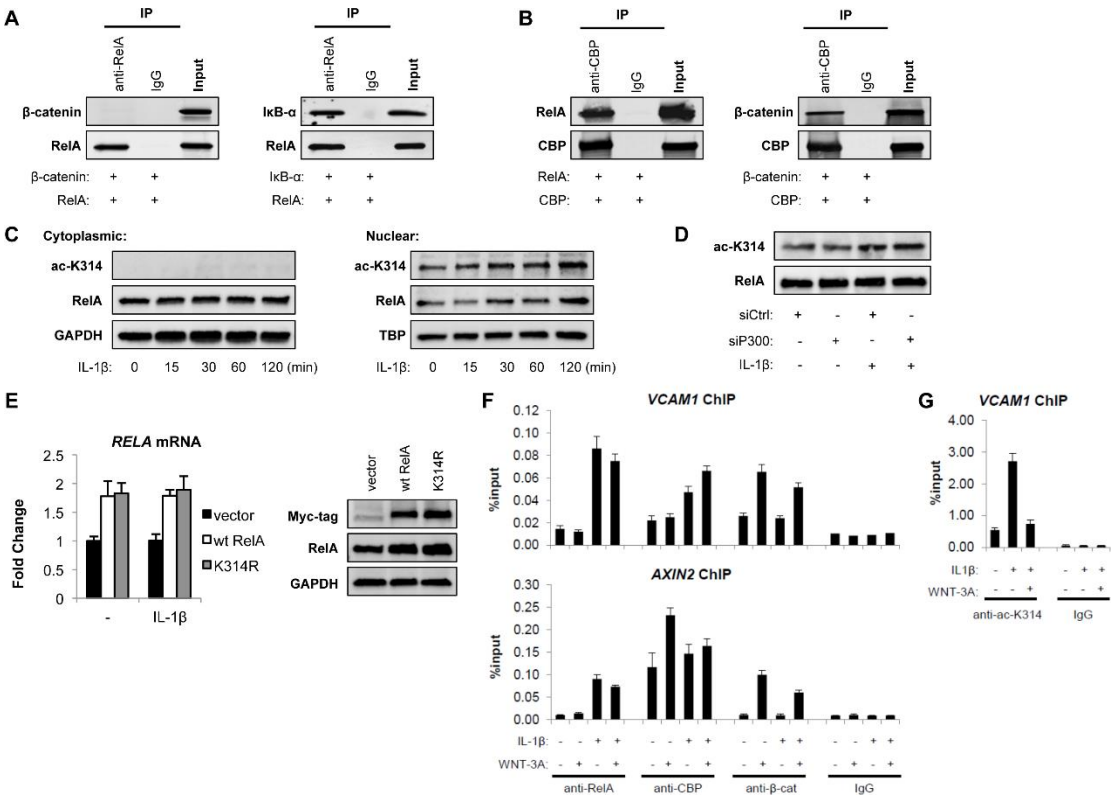

Fig. S4. (A) Recombinant RelA was incubated with either β-catenin or IκB-α. Protein mixtures were then immunoprecipitated with anti-RelA antibody and subjected to Western blot analysis. (B) Recombinant CBP was incubated with either β-catenin or RelA. Protein mixtures were then immunoprecipitated with anti-CBP antibody and subjected to Western blot analysis. (C) MRC-5 cells were treated with IL-1β for indicated times. Western blot analysis of protein expression was performed in cytoplasmic and nuclear fractions. (D) MRC-5 cells were transfected with control siRNA (siCtrl) or siRNA against p300 (siP300) and then stimulated with IL-1β for 30 min. Total protein lysates were then subjected to Western blot analysis. (E) MRC-5 cells were transfected with empty vector, wild-type (wt) RelA and K314R mutant plasmids and then stimulated with IL-1β for 4 h. mRNA expression was measured by qRT-PCR and protein expression was analyzed by Western blot. For Western blot data, representative blots of 2 independent experiments are shown. (F) MRC-5 cells were stimulated with WNT-3A for 18 h and IL-1β was added 1 h before harvest of samples. Binding of RelA, CBP or β-catenin to *VCAM1* and *AXIN2* promoter was analyzed by ChIP. (G) MRC-5 cells were stimulated with WNT-3A for 18 h and IL-1β was added 1 h before harvest of samples. Binding of acetylated RelA at K314 to *VCAM1* promoter was analyzed by ChIP.