

Figure S1. Effects of miR-22 mimic and miR-22 inhibitor transfection and CAV3 siRNA on miR-22 and CAV3 expression at mRNA and protein levels in osteoblastic MC3T3-E1 cells. Osteoblasts were transfected with (A) miR control or miR-22 mimic (200 nM) and (B) miR-22 inhibitor control or miR-22 inhibitor (200 nM) for 24 h. Reverse transcription-quantitative PCR was performed to measure the expression of miR-22. (C and D) Osteoblasts were transfected with control siRNA or CAV3 siRNA for 24 h. Reverse transcription-quantitative PCR and western blot analysis were performed to determine CAV3 (C) mRNA and (D) protein expression levels, respectively, in osteoblasts. Data are shown as the mean \pm standard error of the mean (n=4). **P<0.01 vs. control.

