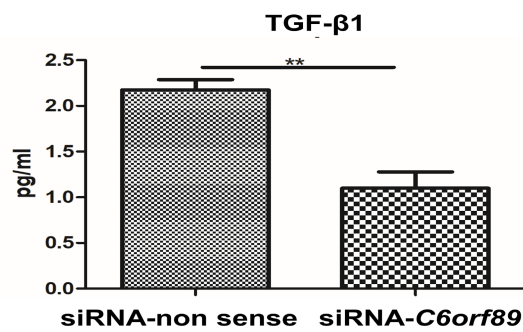


**Supplementary Figure 1.** Double immunofluorescence analysis of skin tissue sections from IMQ treated mice. Immunostaining with IL-17 antibody was shown as red fluorescence. Immunostaining using

antibodies against CD3 or CK5 was shown as green fluorescence. Nuclei of the cells were localized by DAPI (blue)(magnification: 200×); scale bar = 100 μm.



**Supplementary Figure 2.** ELISA analysis of TGF-β1 content in the culture media of HaCaT cells with *C6orf89* expression silenced by siRNA transfection.