Supplementary information for

p16INK4a-siRNA nanoparticles attenuate cartilage degeneration in osteoarthritis by inhibiting inflammation in fibroblast-like synoviocytes

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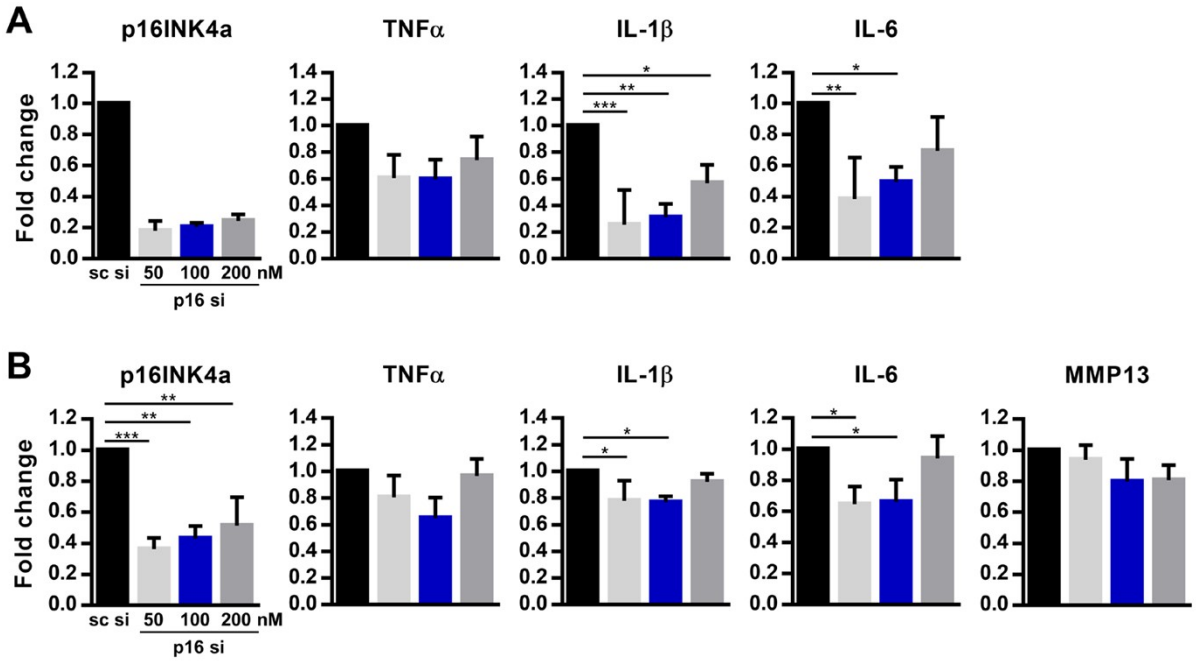

Supplement Fig. Dose-response effect on cytokine expression by increasing concentration p16INK4a transfection.

(A) p16INK4a siRNA (50-200 nM) or scrambled siRNA as the negative control (NC, 200 nM) were transfected into human FLS with Lipofectamine 2000. After 2 d, the mRNA expression of p16INK4a, TNF-α, IL-1β, IL-6, and MMP13 was quantified by qPCR. (B) p16INK4a siRNA (50-200 nM) or scrambled siRNA (NC, 100 nM) were transfected into human FLS with RNAiMAX reagents. After 2 d, the mRNA expression of p16INK4a, TNF-α, IL-1β, IL-6, and MMP13 was quantified by qPCR. The data are expressed as the mean ± SEM (one-way ANOVA with Tukey's post-hoc test; *P < 0.05 vs. NC).