# Supplement Material

## The IFNγ-PDL1 pathway enhances interaction between activated CD8$^+$ T cells and distal convoluted tubules to promote salt-sensitive hypertension

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Figure S1

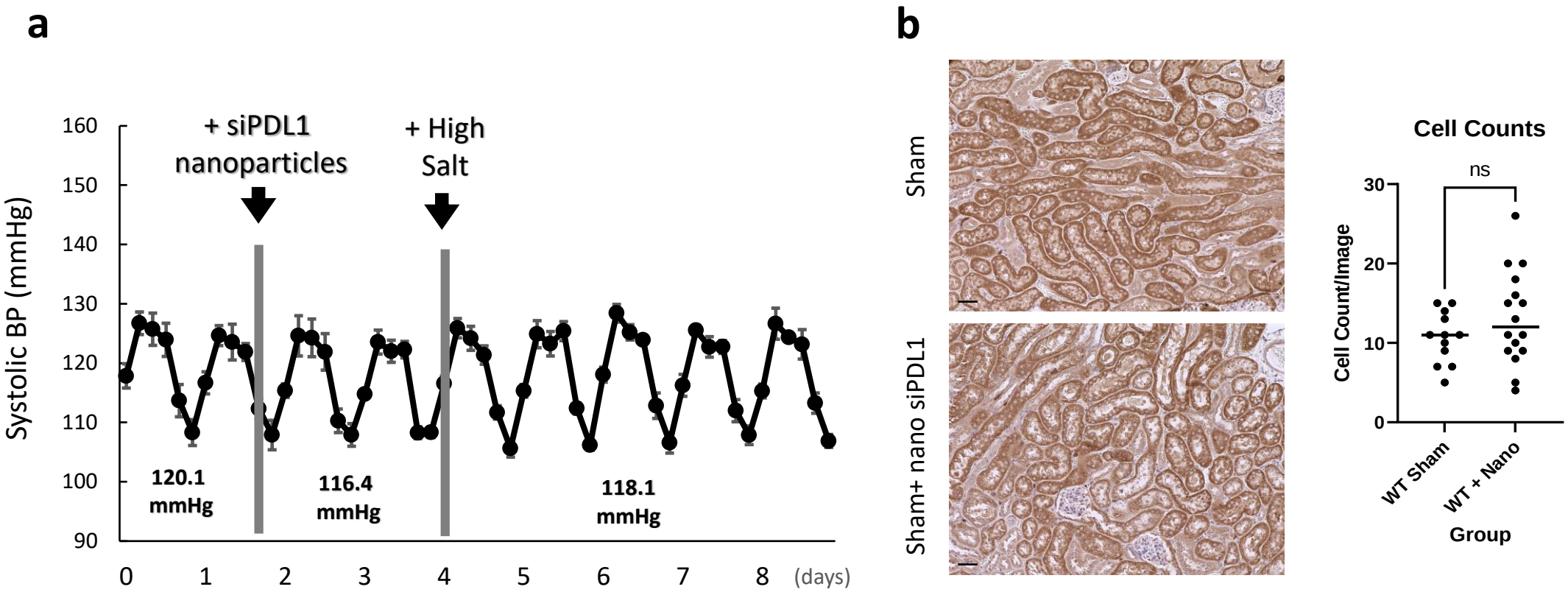


**Figure S1:** Effects of kidney-specific siPDL1-nanoparticles on systolic blood pressure (a, n=4, average SBP of each period are as indicated in figure) and renal T cell infiltration (b, n>10) in sham mice. Statistical significance was assessed by t-test for b.

Figure S2

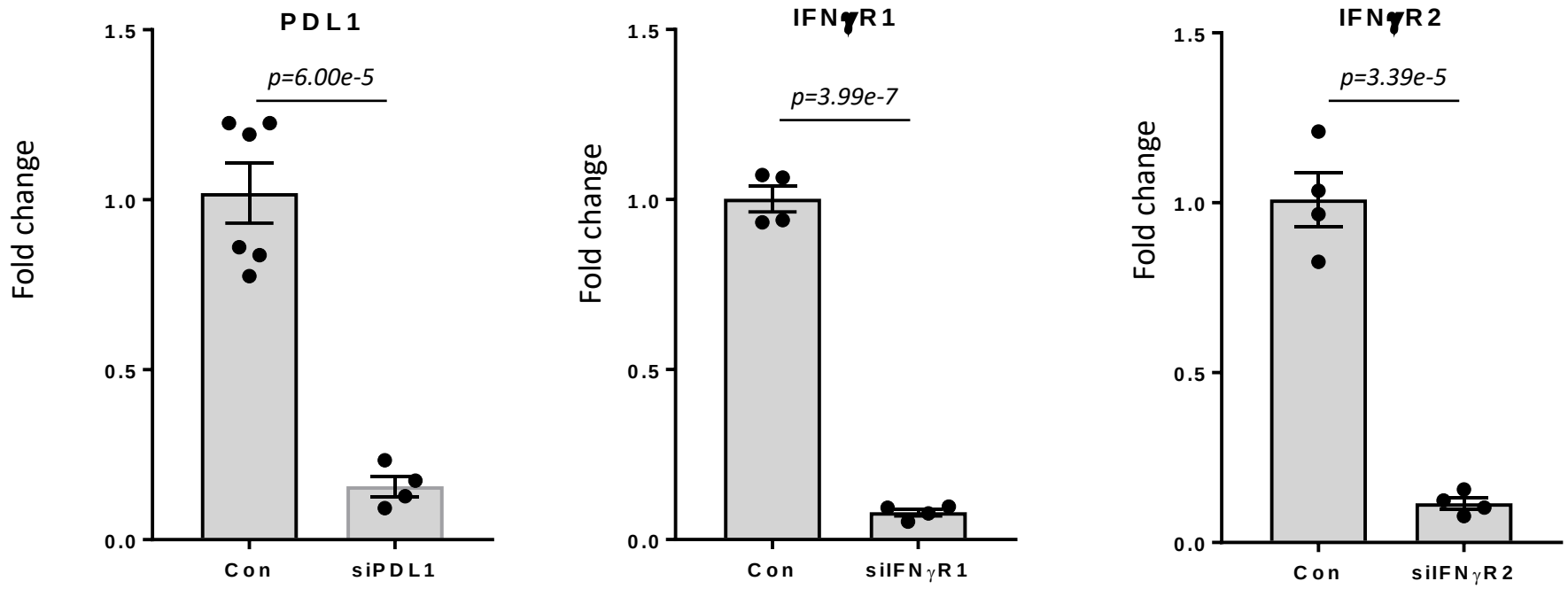


**Figure S2:** Effects of siRNA-mediated knockdown of PDL1 (ABI, s82018)/ IFNγR1 (ABI, s68098) / IFNγR2 (ABI, s68100). mRNA expression of these molecules in mDCTs with or without introducing siRNA were examined by Taqman real-time PCR. Results were normalized using GAPDH as housekeeping control. n=4-6 in each group. Data are means ± sem. Statistical significance was assessed by t-test.

Figure S3

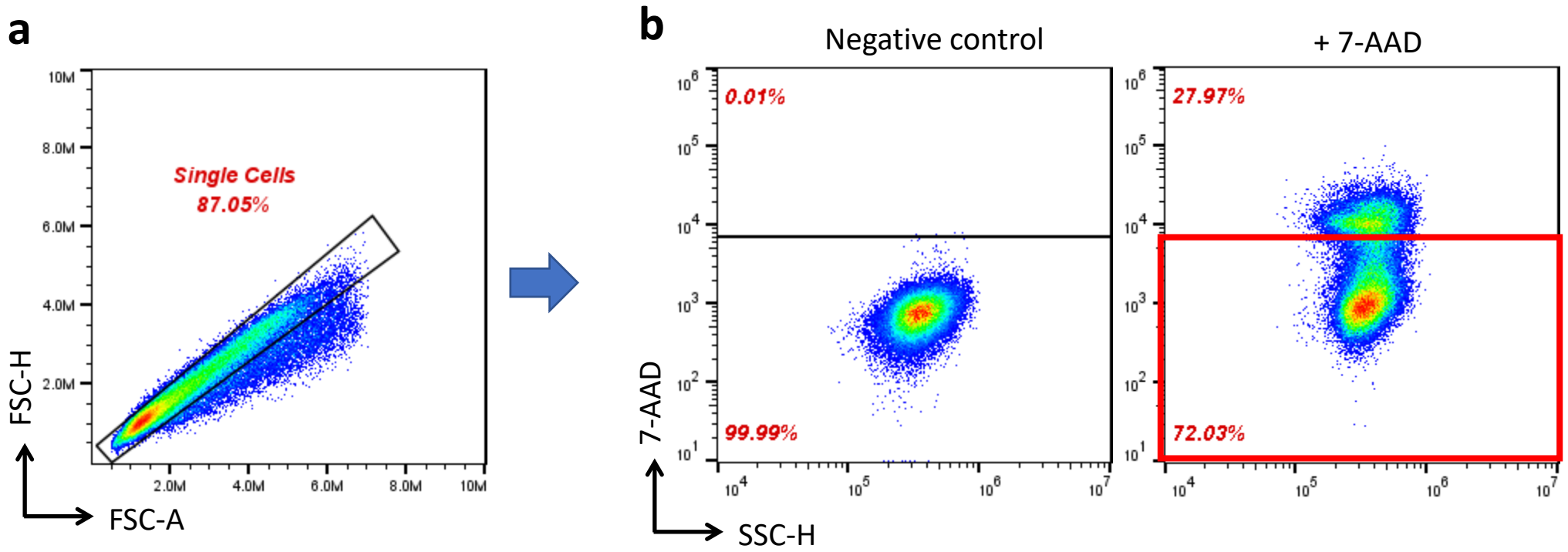


**Figure S3:** Flow cytometry gating strategy for selecting single cells (**a**) and intact live cells (**b**).

Figure S4

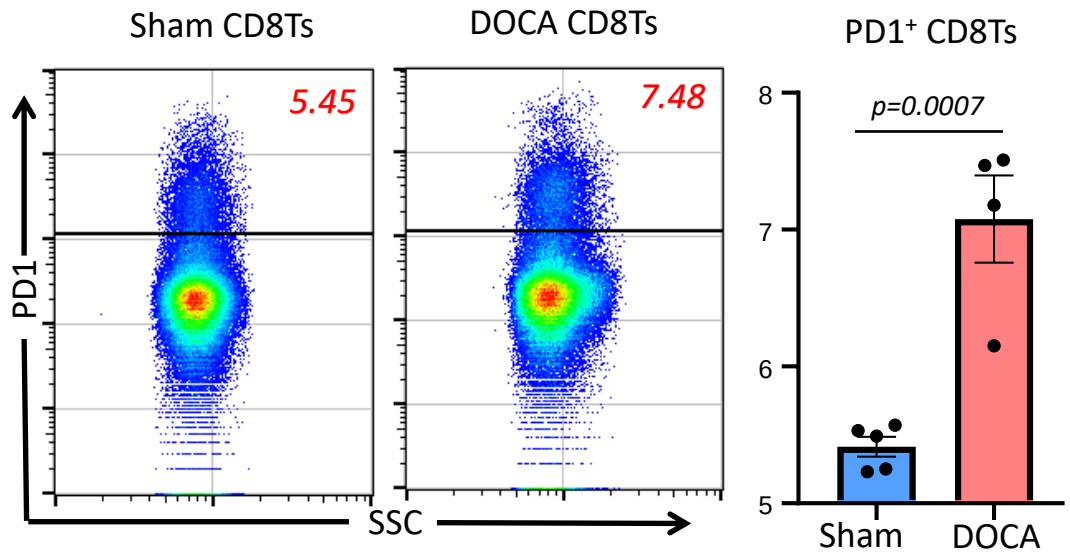


**Figure S4:** Cell surface expression of PD1 on CD8Ts isolated from DOCA mice and sham mice. n=4-5 mice. Statistical significance was assessed by t-test.

Figure S5

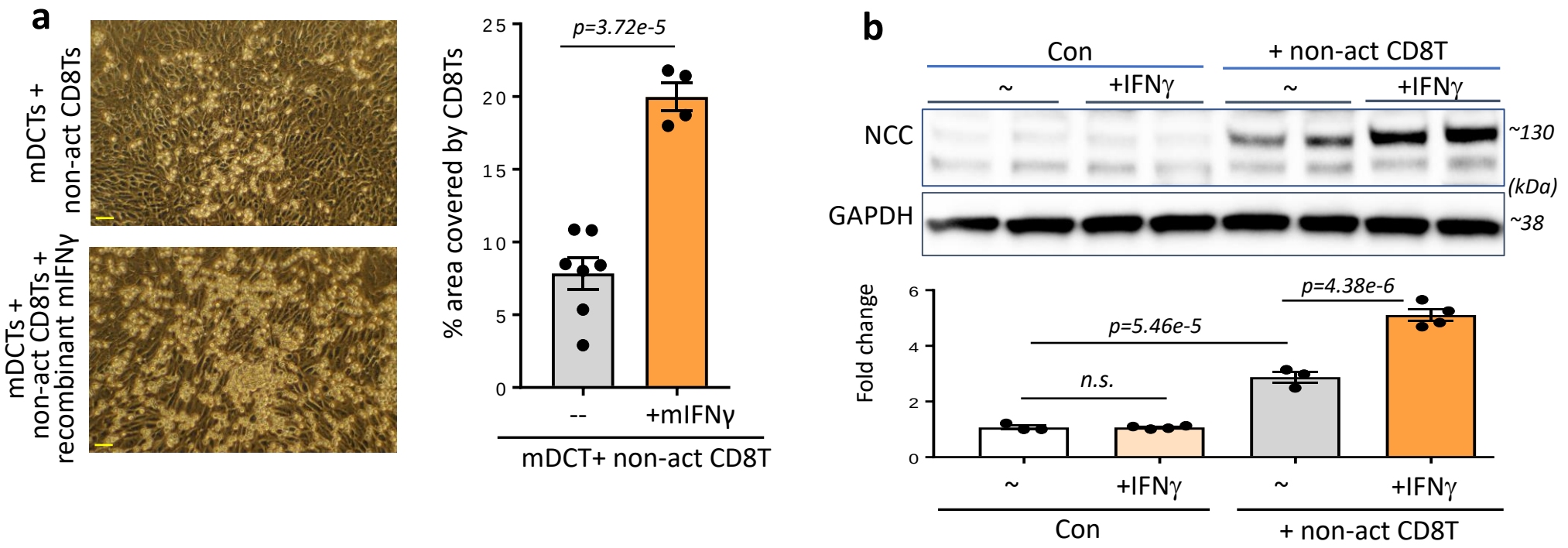


**Figure S5: (a)**, Effects of additional mIFNγ on cell-to-cell adhesion between mDCTs and naïve (non-act) CD8Ts. After overnight co-culture, cells were washed with PBS x 2 times. Data are representative of n>7 images in each group. **p<0.01. **(b)**, Effects of additional mIFNγ on NCC expression in mDCT cells ± co-culture with naïve CD8Ts. Quantitative western blot data were normalized using GAPDH as loading control. n=3-4 in each group. Statistical significance was assessed by t-test for a, and ANOVA for b.

Figure S6

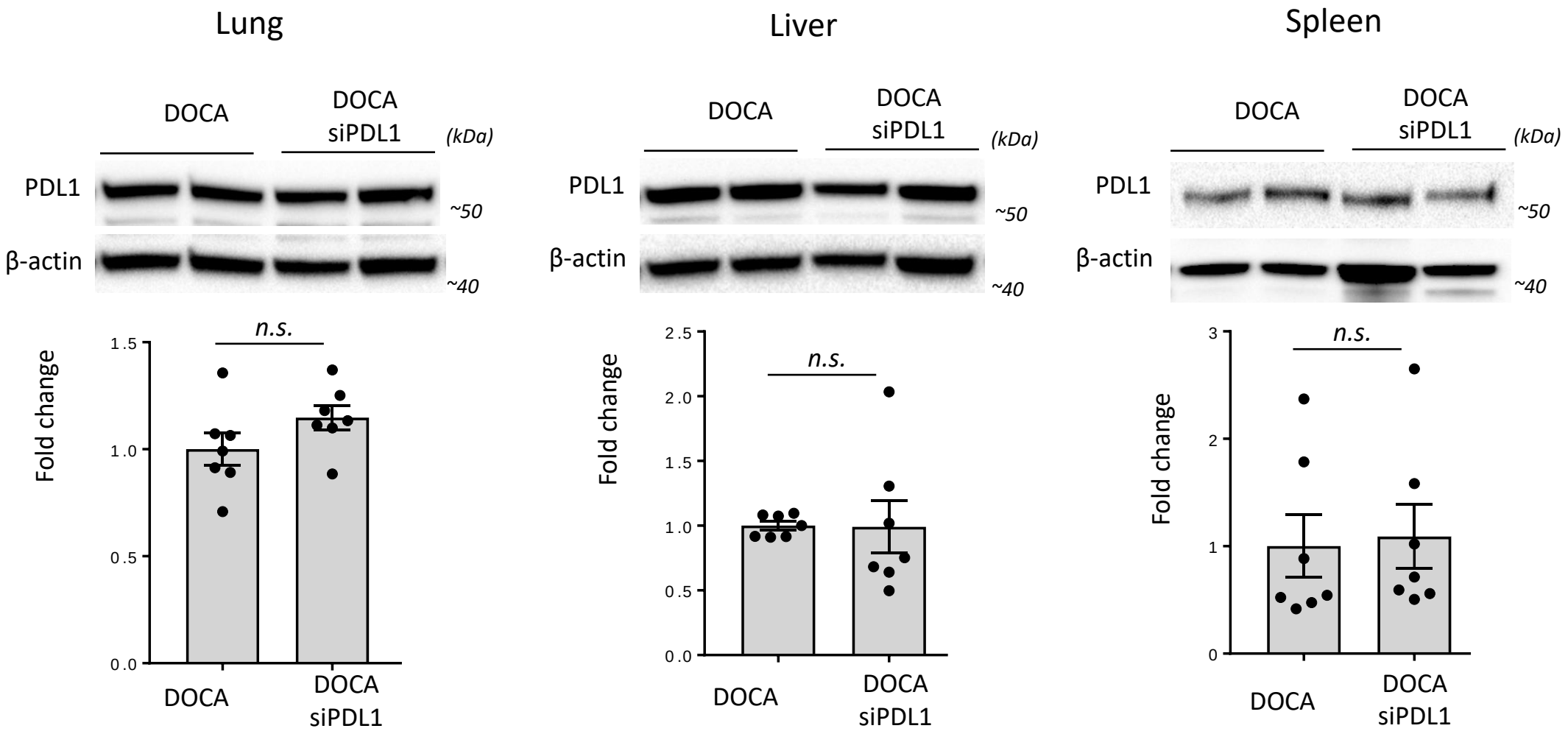


**Figure S6:** Effects of kidney-specific siPDL1-nanoparticles on PDL1 expression in other organs (lung, liver and spleen), n=7 each group. Statistical significance was assessed by t-test.