

**Figure S2.** snRNA-Seq of the control dataset. (a) Schematic diagram showing snRNA-Seq pipeline. (b) UMAP plot showing snRNA-Seq of control samples. (c) Violin plot showing key cluster markers in panel b. (d) UMAP plot showing day 0 control and treatment snRNA-Seq (top), UMAP plot showing different fibroblast subtypes in day 0 control and treatment snRNA-Seq (bottom).