

Description of Additional Supplementary Files

Supplementary Data 1. Demographics for systemic sclerosis patients.

Supplementary Data 2. Cell type, subtype, and sub-cluster marker genes in the scRNA-seq analyses.

Supplementary Data 3. Genes induced in fibroblasts after stimulation with TGF- β or IL-4 from bulk RNA-seq experiments.

Supplementary Data 4. Genes in the five expression patterns along the fibroblast or endothelial pseudotime in the scRNA-seq analyses.

Supplementary Data 5. Common up-regulated genes in fibroblast group 3 vs group 1, 2 and endothelial sub-cluster 2 vs sub-cluster 0, 1.

Supplementary Data 6. Ligand-receptor pairs specific to SSc fibroblast and endothelial subtypes plotted in Fig. 6c.

Supplementary Data 7. Antibodies used in this study.