

Table S1. Characteristics of Patient Samples

Lung ID	Gender	Age	Disease Status	Type of Analysis	Chemistry	Pair scRNA and scATAC	Selection	Number of cells	Number of reads per sample
SC277	Male	21	Normal	scRNA-seq	3' v3	no		8,746	475,907,037
SC281	Female	43	SSc-ILD	scRNA-seq	3' v3	no		8,193	507,681,287
SC284	Male	33	SSc-ILD	scRNA-seq	3' v3	no		9,114	464,018,961
SC286	Female	62	SSc-ILD	scRNA-seq	3' v3	no		7,780	616,060,662
SC293	unknown	unknown	SSc-ILD	scRNA-seq	3' v3	yes	1/2 CD45, CD31 and EPCAM depleted, 1/2 PDGFRA positive selection	7,657	493,619,631
SC313	Male	33	Normal	scRNA-seq	5' v1	yes		1,619	130,572,721
SC315	Female	64	Normal	scRNA-seq	5' v1	yes		3,742	247,085,410
SC323	Male	38	Normal	scRNA-seq	5' v1	yes	1/2 CD45 and EPCAM depleted	3,447	253,893,668
SC333	Male	62	Normal	scRNA-seq	5' v1	no	1/2 CD45 and EPCAM depleted	3,072	464,793,088
SC334	Male	63	Normal	scRNA-seq	5' v1	no	No depletions	3,374	510,320,213
SC335	Female	42	SSc-ILD	scRNA-seq	5' v1	yes	1/2 CD45 and EPCAM depleted	3,833	162,631,332

SSc-ILD: systemic sclerosis- associate dinterstitial lung disease

scRNA-seq: single cell RNA-sequencing