

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1  
Description: Cell type marker genes from whole lung dataset

File Name: Supplementary Data 2  
Description: Cell type resolved differential gene expression after bleomycin

File Name: Supplementary Data 3  
Description: Cell type marker genes from high resolution epithelial cell dataset

File Name: Supplementary Data 4  
Description: Cell state trajectory – convergence of airway and alveolar stem cells

File Name: Supplementary Data 5  
Description: Cell state trajectory – Krt8+ ADI to AT1

File Name: Supplementary Data 6  
Description: Receptor-ligand connectome