

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Clinical Data.

File Name: Supplementary Data 2

Description: scRNASeq_Data

File Name: Supplementary Data 3

Description: Cluster annotation data.

File Name: Supplementary Data 4

Description: Antibody panel information.

File Name: Supplementary Data 5

Description: Results of pseudobulk analyses.

File Name: Supplementary Data 6

Description: Gene lists for signatures.

File Name: Supplementary Data 7

Description: SingleCellSignalR output data.

File Name: Supplementary Data 8

Description: CellPhoneDB output data.

File Name: Supplementary Data 9

Description: IMC ROI information.