

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Differentially expressed genes across Xenium identified cell types.

File Name: Supplementary Data 2

Description: Differentially expressed genes across Visium cell neighborhoods.

File Name: Supplementary Data 3

Description: Gene sets used for score analysis collected from literature. Related to Supplementary Figure 9.

File Name: Supplementary Data 4

Description: Results of enrichment analysis in Visium neighborhoods. Related to Figure 5F.

File Name: Supplementary Data 5

Description: Transcription factor activity inferred in Visium neighborhoods. Related to Figure 5G.

File Name: Supplementary Data 6

Description: Significant ligand-receptor pairs identified in imputed Xenium dataset. Related to Figure 6A.

File Name: Supplementary Data 7

Description: Significant ligand-receptor pairs identified in Visium across neighborhoods. Related to Figure 6I.