

Table S10. Custom data analysis software from this study.

Software	Link	Description
spatial_qc	https://github.com/scOpenLab/spatial_analysis/releases/tag/v1.0.0	R scripts for QC of ST data.
spatial_analysis	https://github.com/scOpenLab/spatial_analysis/releases/tag/v1.0.0	R-scripts and Jupyter notebooks for analysis of ST data.
resolve_processing	https://github.com/scOpenLab/spatial_analysis/releases/tag/v1.0.0	Tools and scripts for analyzing MC data with a Nextflow pipeline for segmentation and computing transcripts counts per cell
seurat_resolve_importer	https://github.com/scOpenLab/spatial_analysis/releases/tag/v1.0.0	Tools and scripts for analyzing MC data with Seurat.
geojson_seurat_cropper	https://github.com/scOpenLab/spatial_analysis/releases/tag/v1.0.0	Crops a Seurat object using a sf polygon to retain only cells and molecules inside the polygon.
xenium_processing	https://github.com/scOpenLab/spatial_analysis/releases/tag/v1.0.0	Scripts for processing of Xenium data.
R scripts for reimaging and image analysis	https://github.com/RippeLab/MBEN/releases/tag/1.0.0	Scripts used for image preprocessing and analysis.