Report Clarification  
This analysis report is based on the spatial transcriptomics sample GSM8658911 (Sample1a1) from the GSE283269 dataset.  
Only one sample was processed and analyzed in this report.  
All presented results — including UMAP clustering, cell-cell communication inference, ligand-receptor interaction visualization, and pathway activity — are derived exclusively from this single example.

The other samples available within GSE283269 (GSM8658912 to GSM8658916) were downloaded and prepared, but their analyses have not yet been conducted at this stage.  
Future work will involve extending this pipeline to these additional samples to enable multi-sample comparison and integrated communication network analysis.

This clarification ensures that the scope of the current report is accurately understood, and highlights a clear path for future extensions of the project.