

1M_Org – Isoform Assay Integration Report

ISOFORM ASSAY INTEGRATION SUMMARY

Timepoint: 1M_Org

Dataset Information:

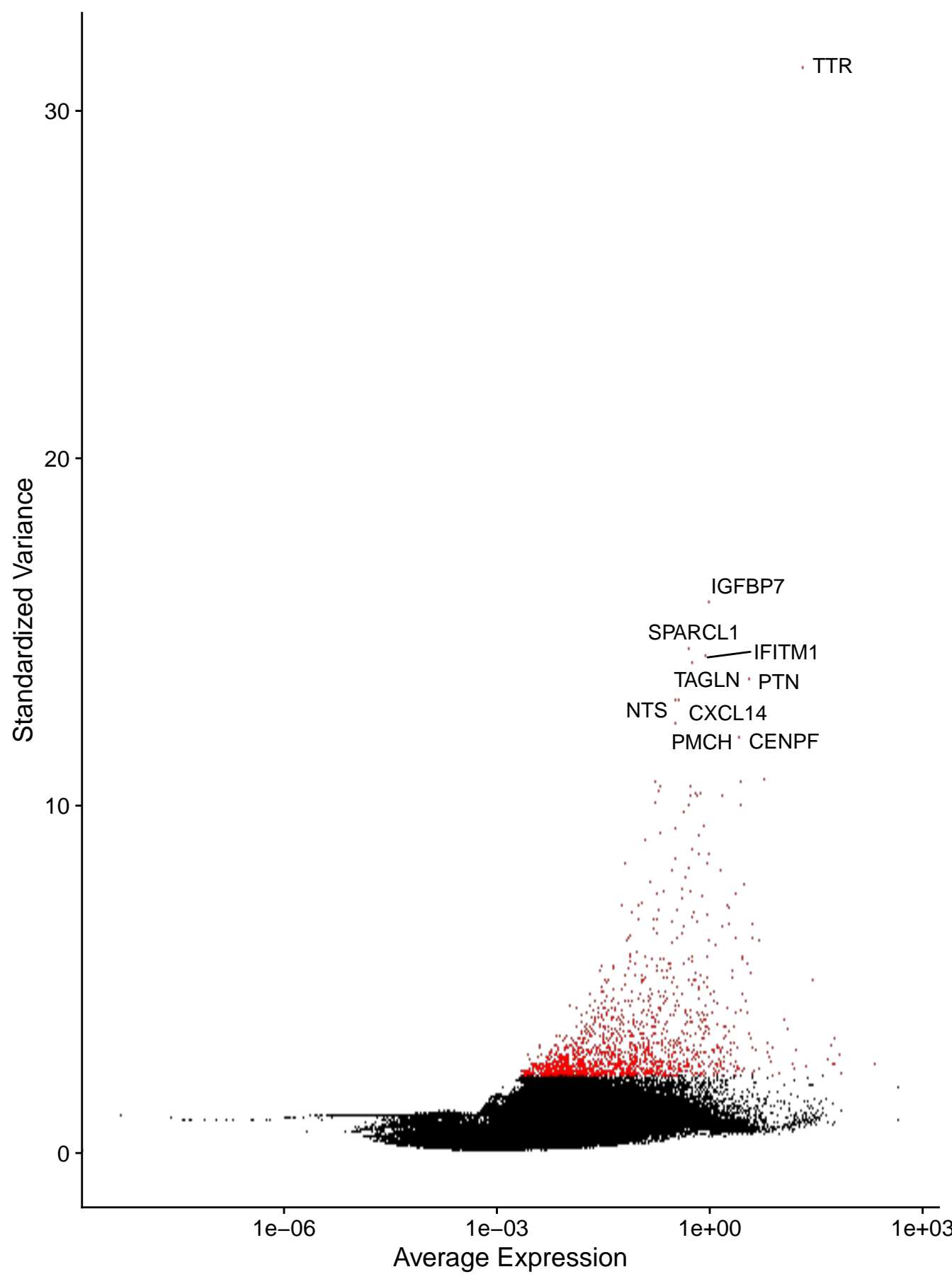
Total Cells: 2116
Gene-level Features (RNA): 45716
Isoform-level Features (iso): 222987
Consensus Cell Types: 9

Isoform Processing:

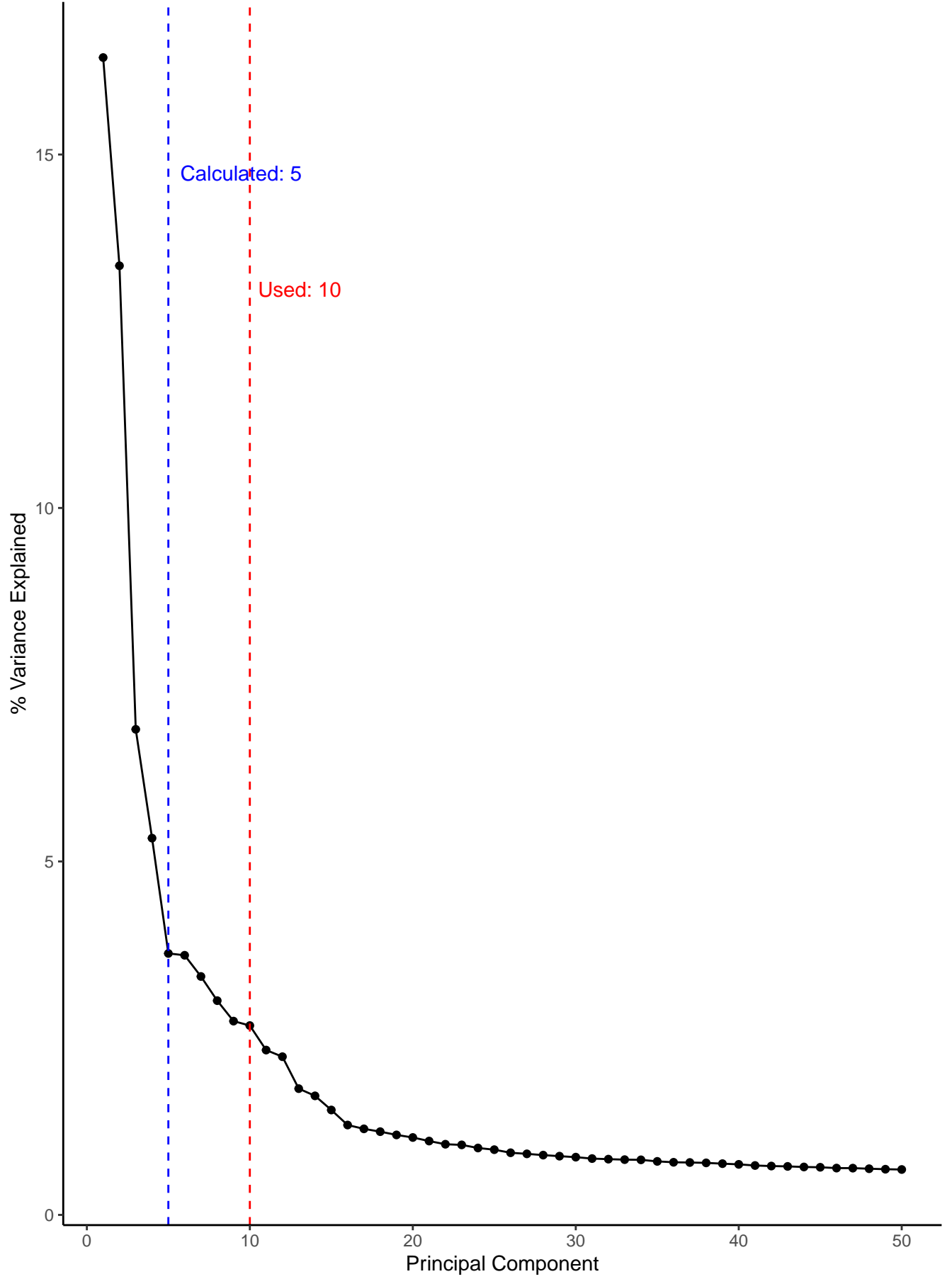
Optimal PCs: 10
Optimal Resolution: 0.2
Isoform Clusters: 8
Gene-level Clusters: 8

Isoform Data Processing – QC Plots

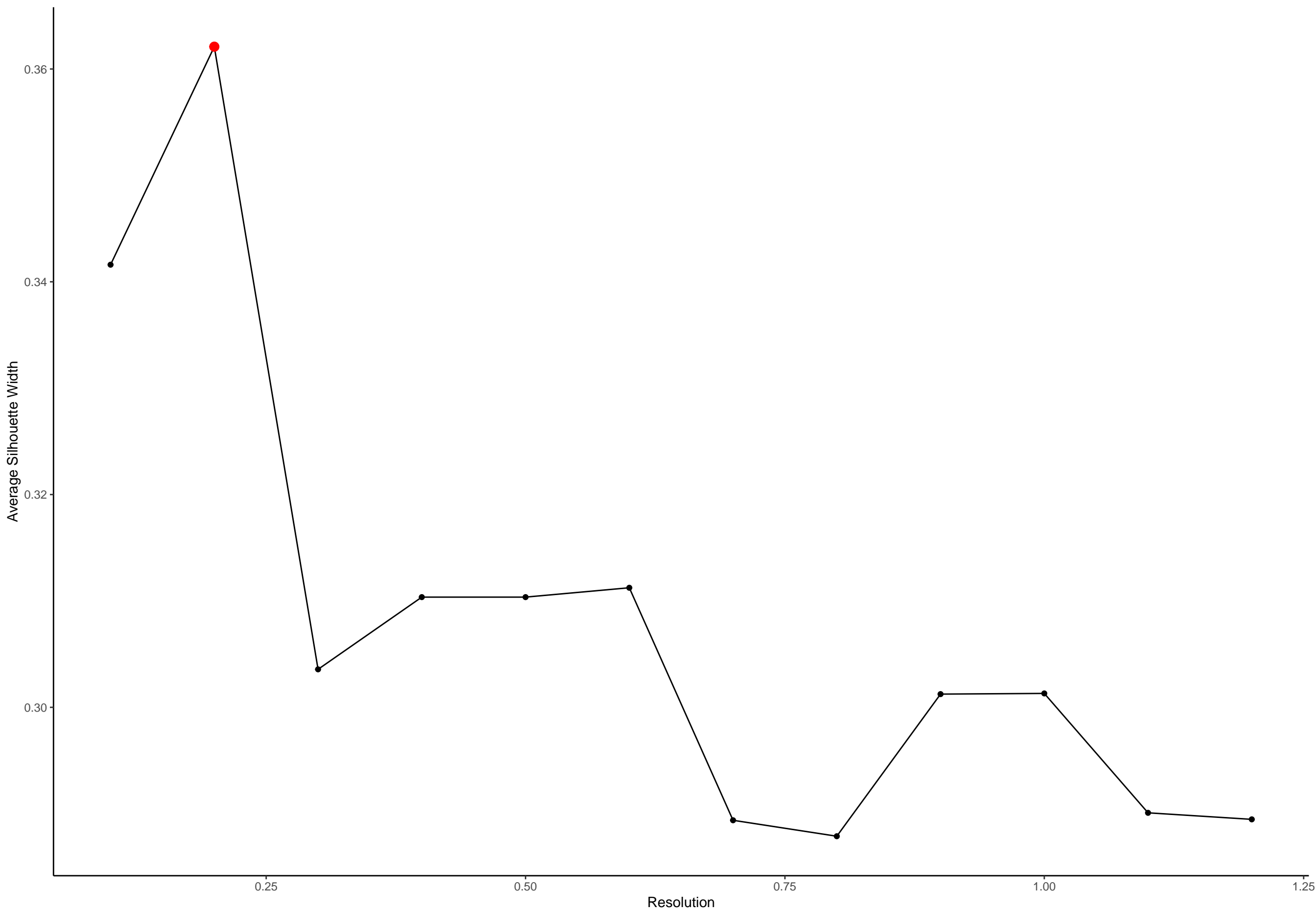
1M_Org: Top 2000 Variable Isoforms



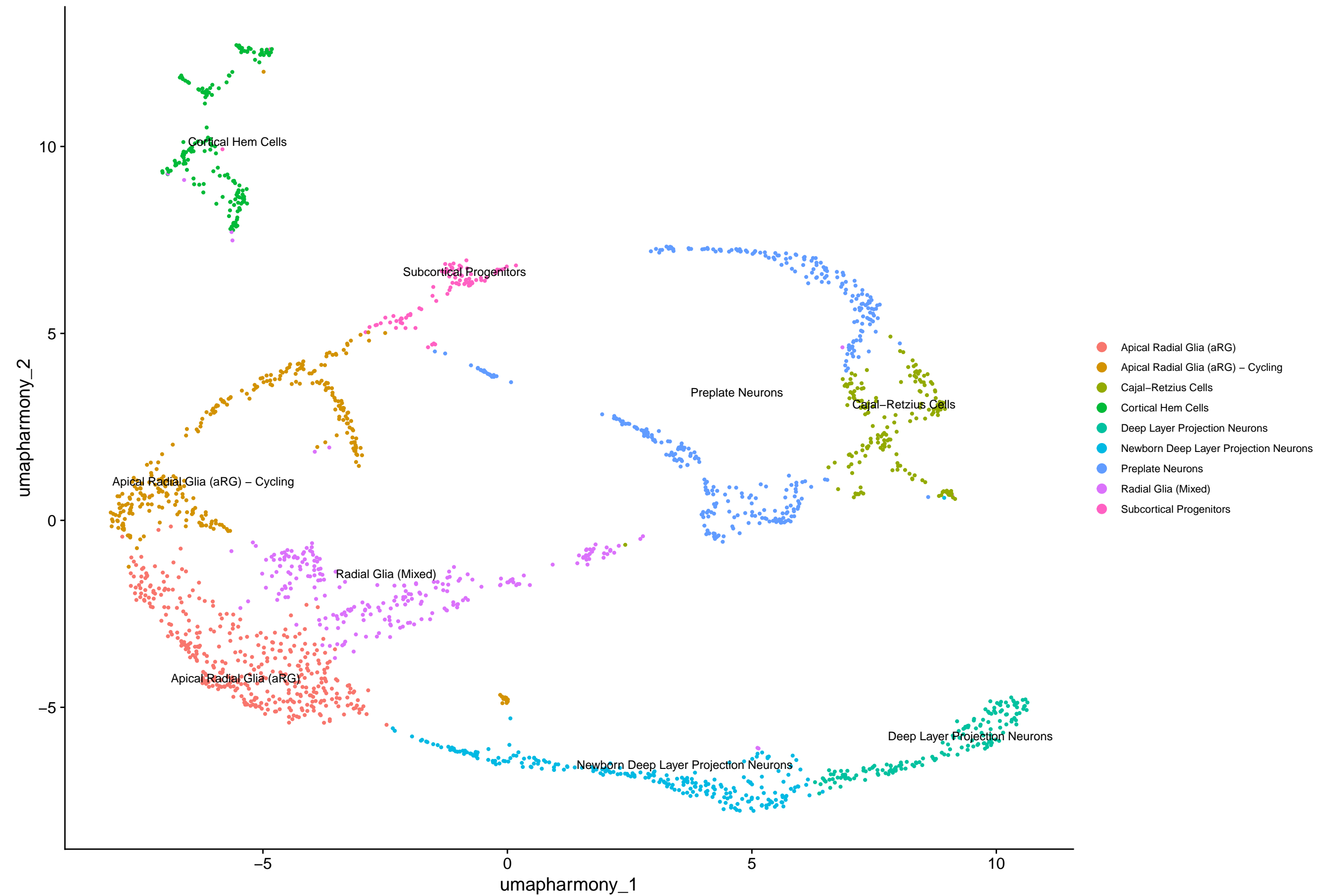
1M_Org – Isoform PCA Elbow Plot



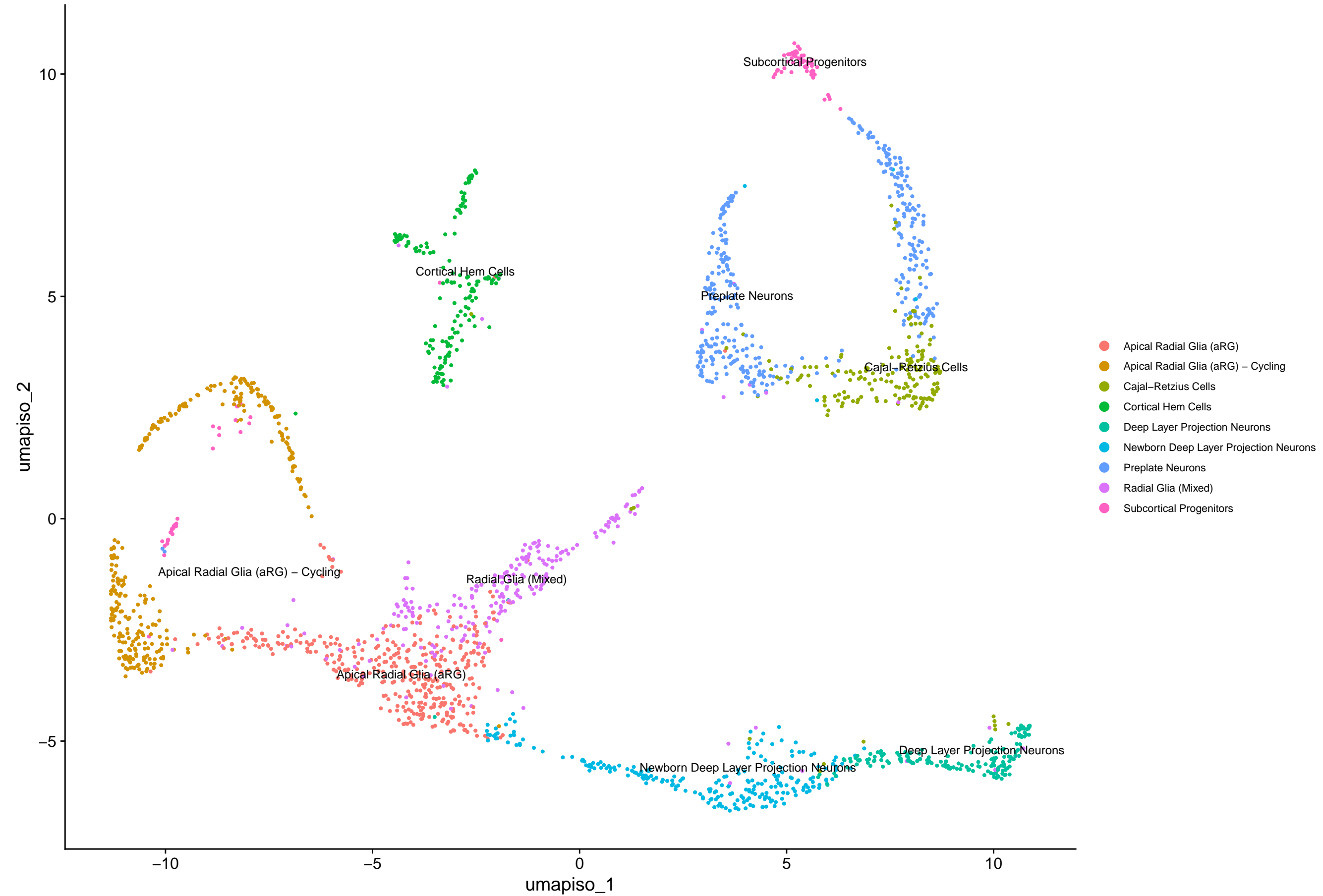
1M_Org – Isoform Silhouette Optimization



Gene-level UMAP (Harmony Integration)

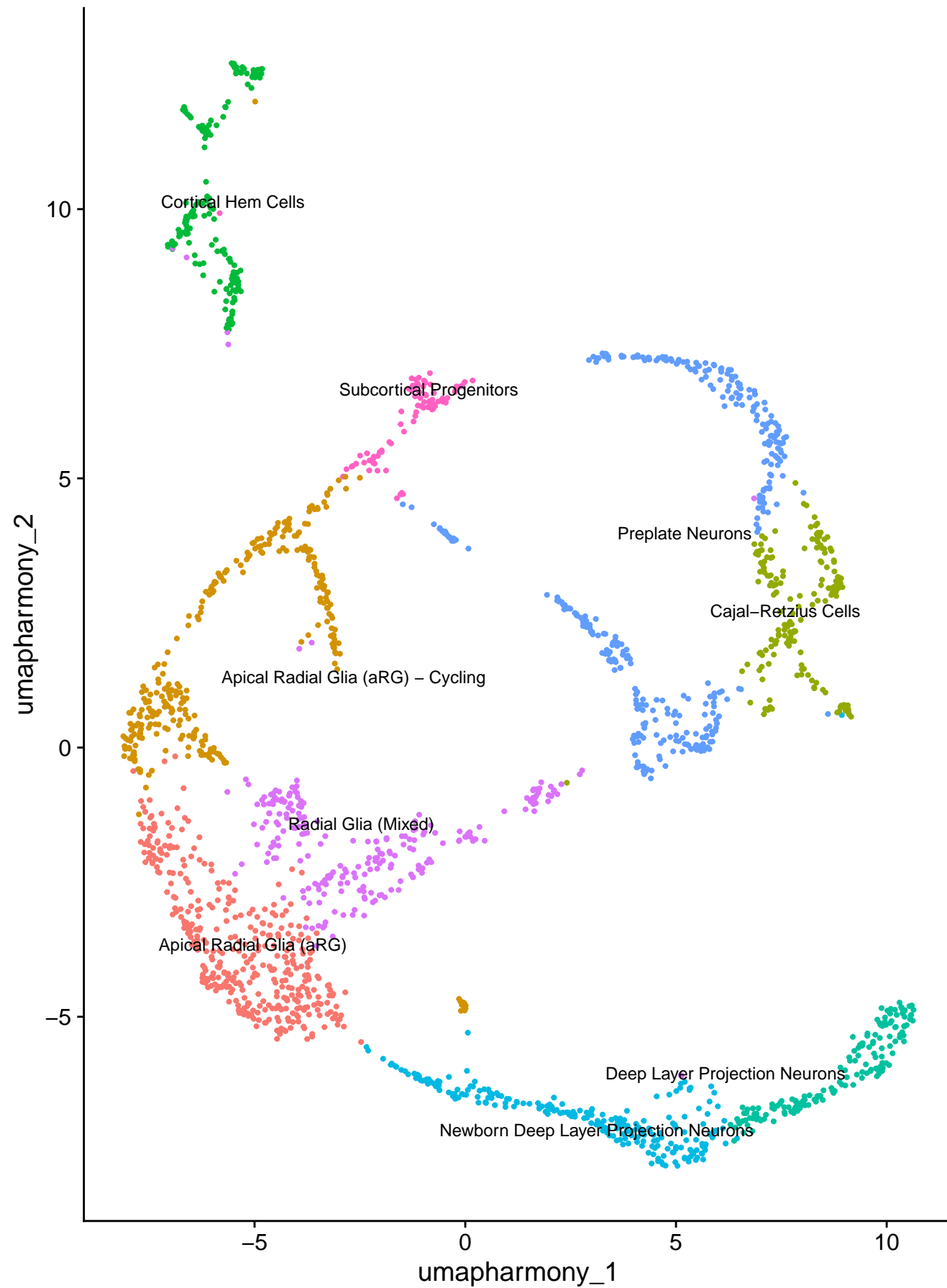


Isoform-level UMAP (No Integration)

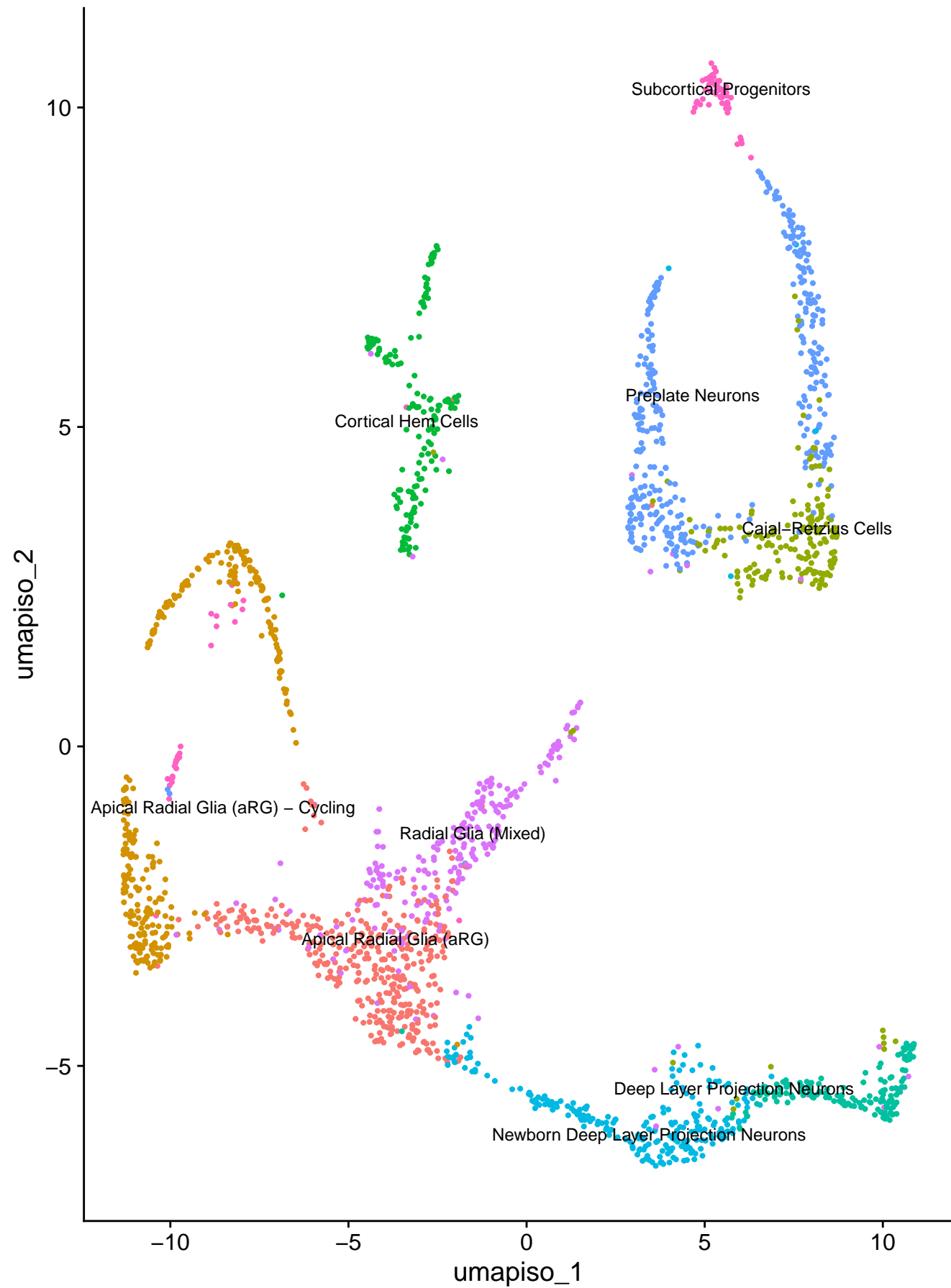


Gene vs Isoform UMAP – Consensus Cell Types

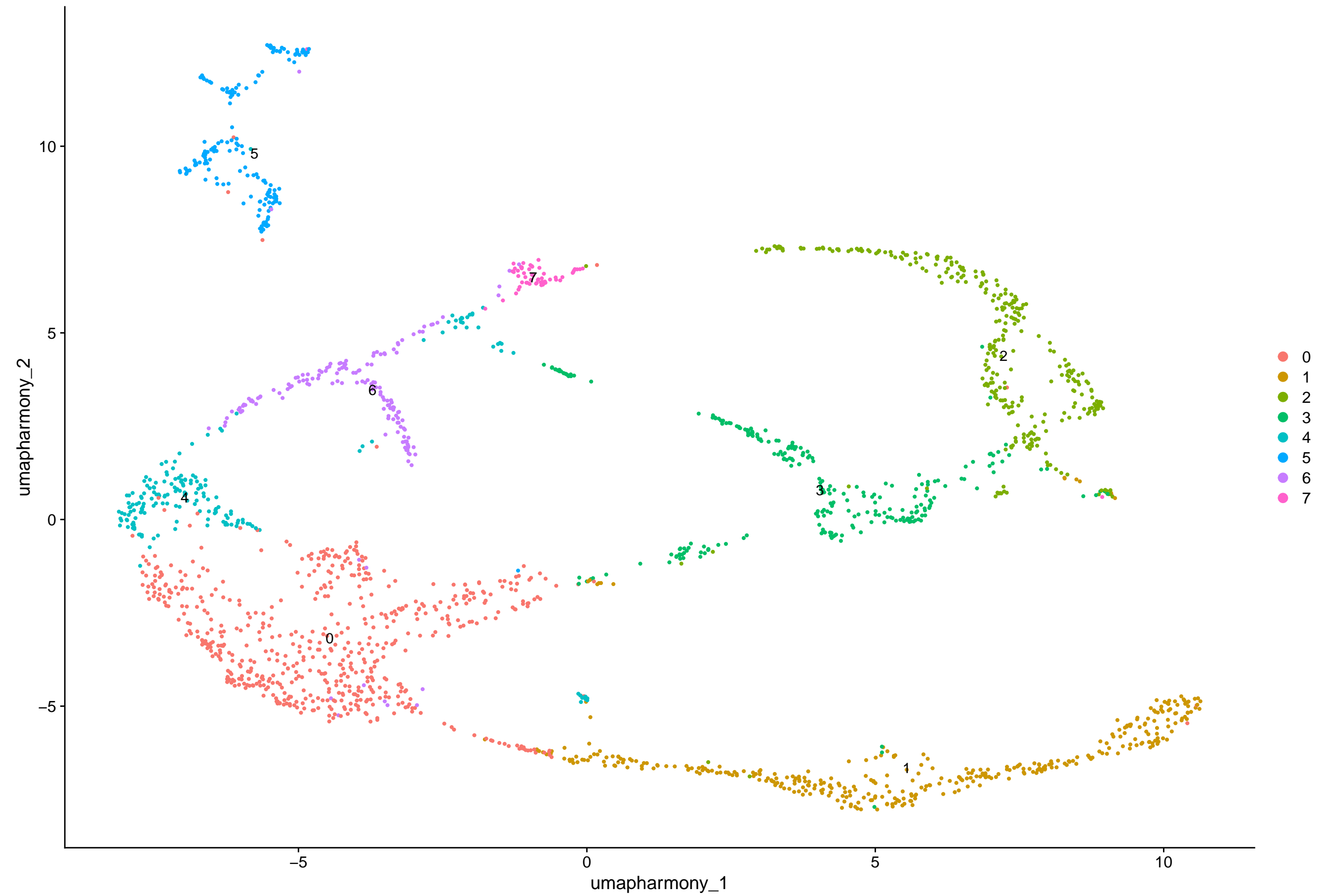
Gene-level UMAP (Harmony Integration)



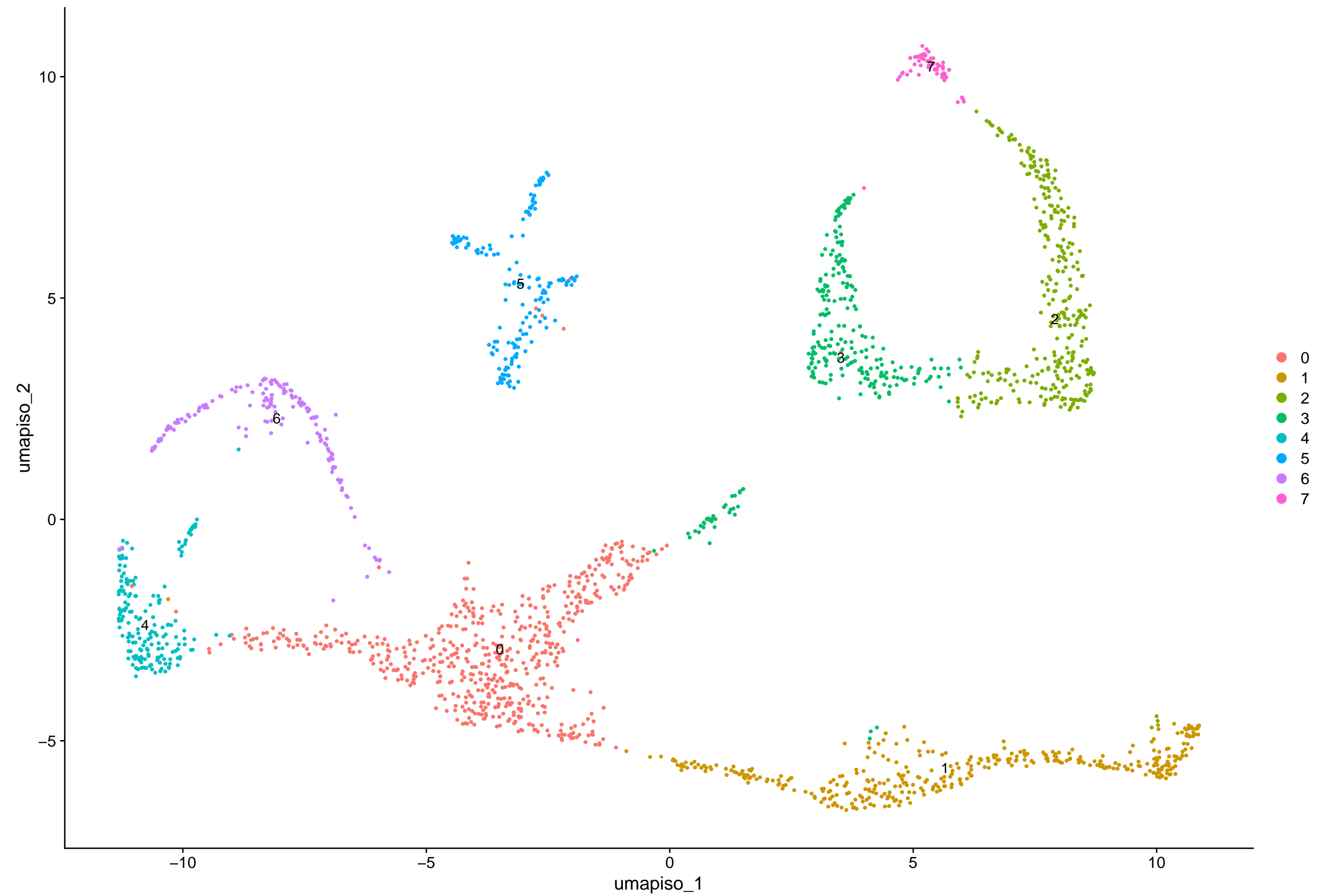
Isoform-level UMAP (No Integration)



Gene-level Clusters

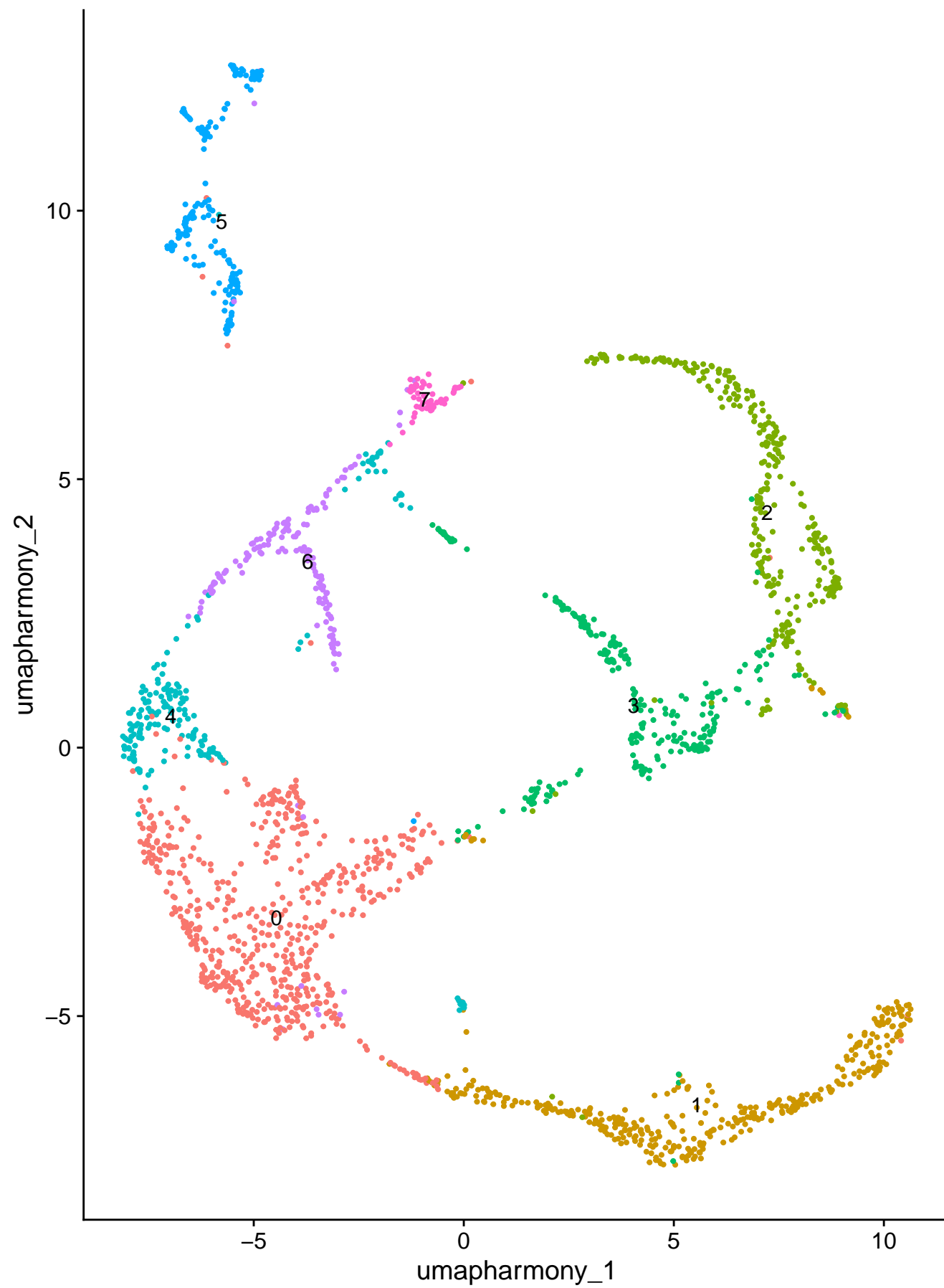


Isoform-level Clusters



Gene vs Isoform Clustering

Gene-level Clusters



Isoform-level Clusters

