3M_Org – Isoform Assay Integration Report

ISOFORM ASSAY INTEGRATION SUMMARY

Timepoint: 3M_Org

Dataset Information:

Total Cells: 4071

Gene-level Features (RNA): 47949

Isoform-level Features (iso): 235336

Consensus Cell Types: 8

Isoform Processing:

Optimal PCs: 15

Optimal Resolution: 0.4

Isoform Clusters: 10

Gene-level Clusters: 10

Isoform Data Processing – QC Plots 3M_Org - Isoform PCA Elbow Plot 3M_Org: Top 2000 Variable Isoforms MT2A Calculated: 10 **CRYAB** MT1X NEAT1 TOP2A MT1E Used: 15 CENPF 20 -CRYAB HMGB2 NTS % Variance Explained 10 -

1e+03

20

10

30

Principal Component

40

50

20 -

15 -

Standardized Variance

5

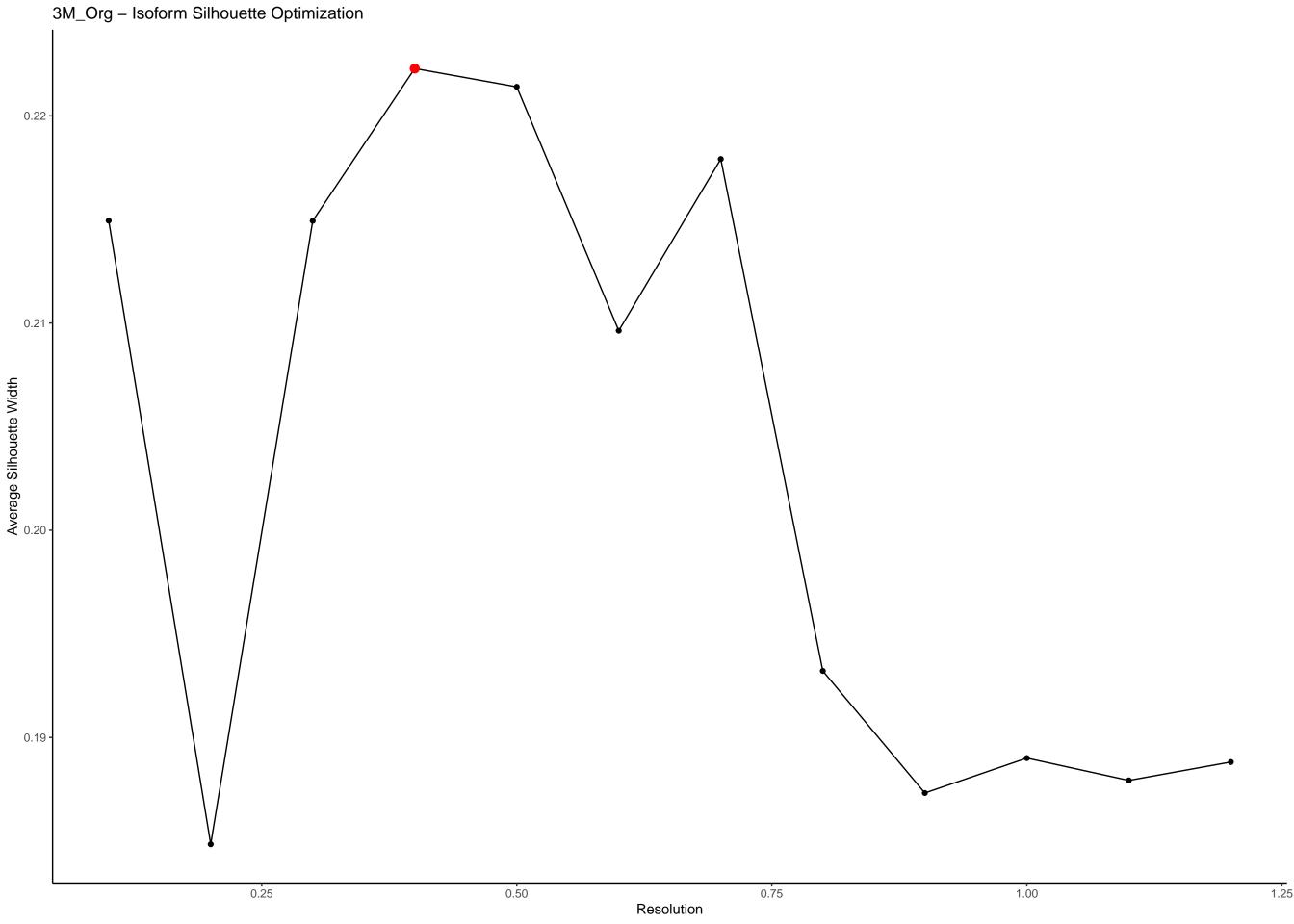
0 -

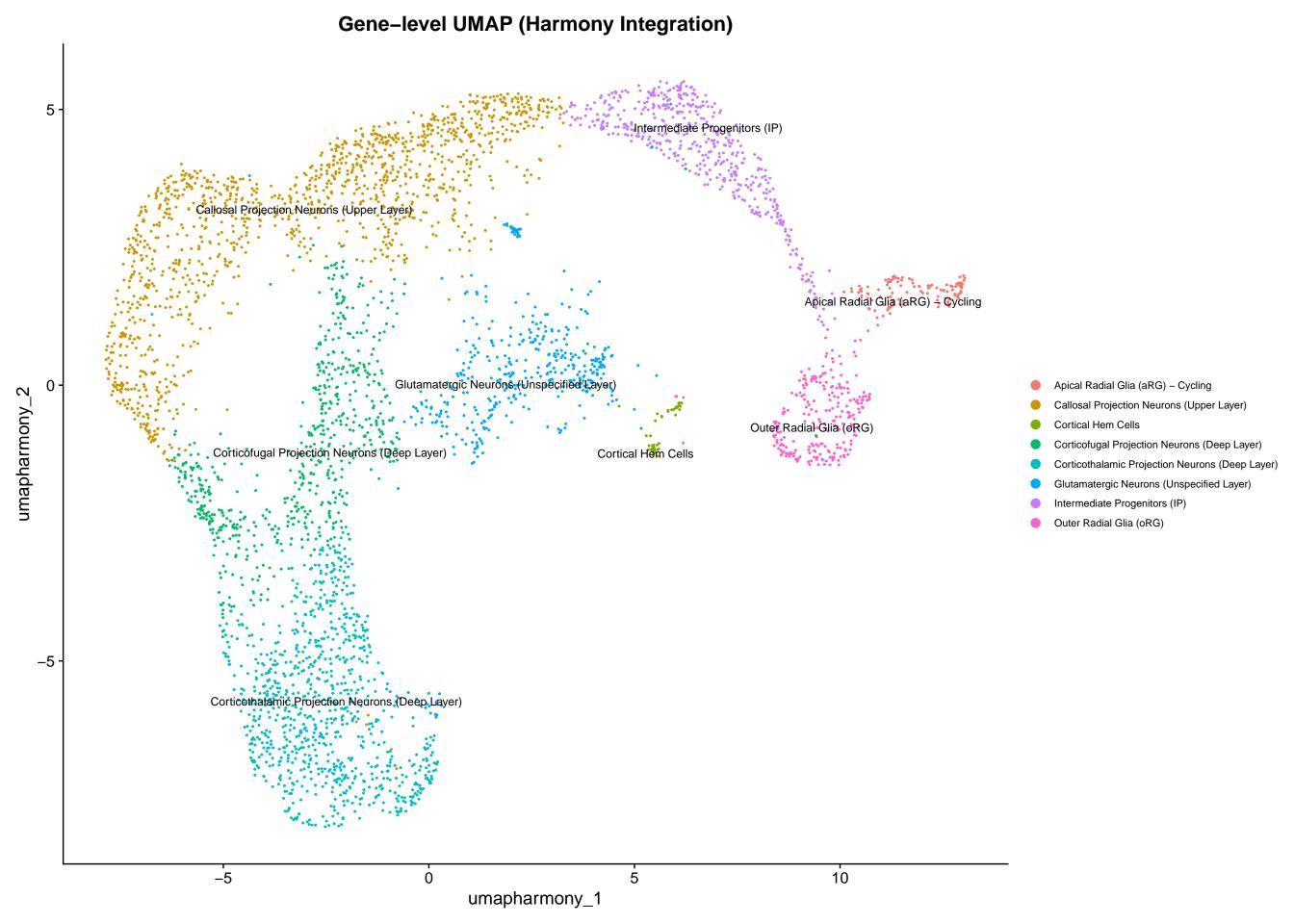
1e-06

1e-03

Average Expression

1e+00





Isoform-level UMAP (No Integration) Outer Radial Glia (oRG) Intermediate Progenitors (IP) 4 Apical Radial Glia (aRG) - Cycling Apical Radial Glia (aRG) - Cycling Callosal Projection Neurons (Upper Layer) umapiso_2 Cortical Hem Cells Corticofugal Projection Neurons (Deep Layer) Cortical Hem Cells Corticothalamic Projection Neurons (Deep Layer) Glutamatergic Neurons (Unspecified Layer) Intermediate Progenitors (IP) Outer Radial Glia (oRG) Corticolugal Projection Neurons (Deep Layer) Corticothalamic Projection Neurons (Deep Layer **–**10 <u>-</u>5 0 5

umapiso_1

