

6M_Org – Marker Validation Summary

MARKER GENE VALIDATION SUMMARY

Timepoint: 6M_Org

Dataset Information:

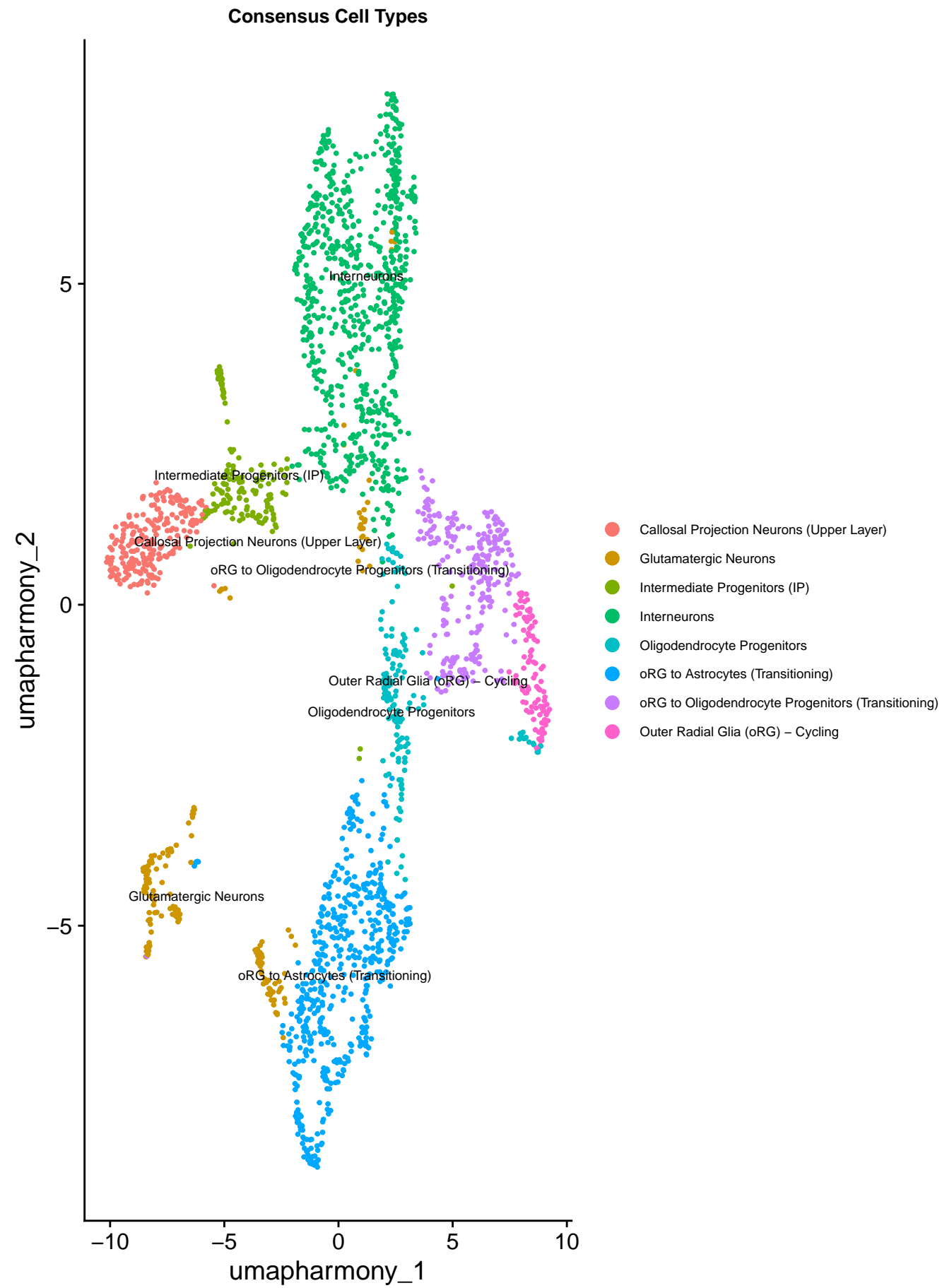
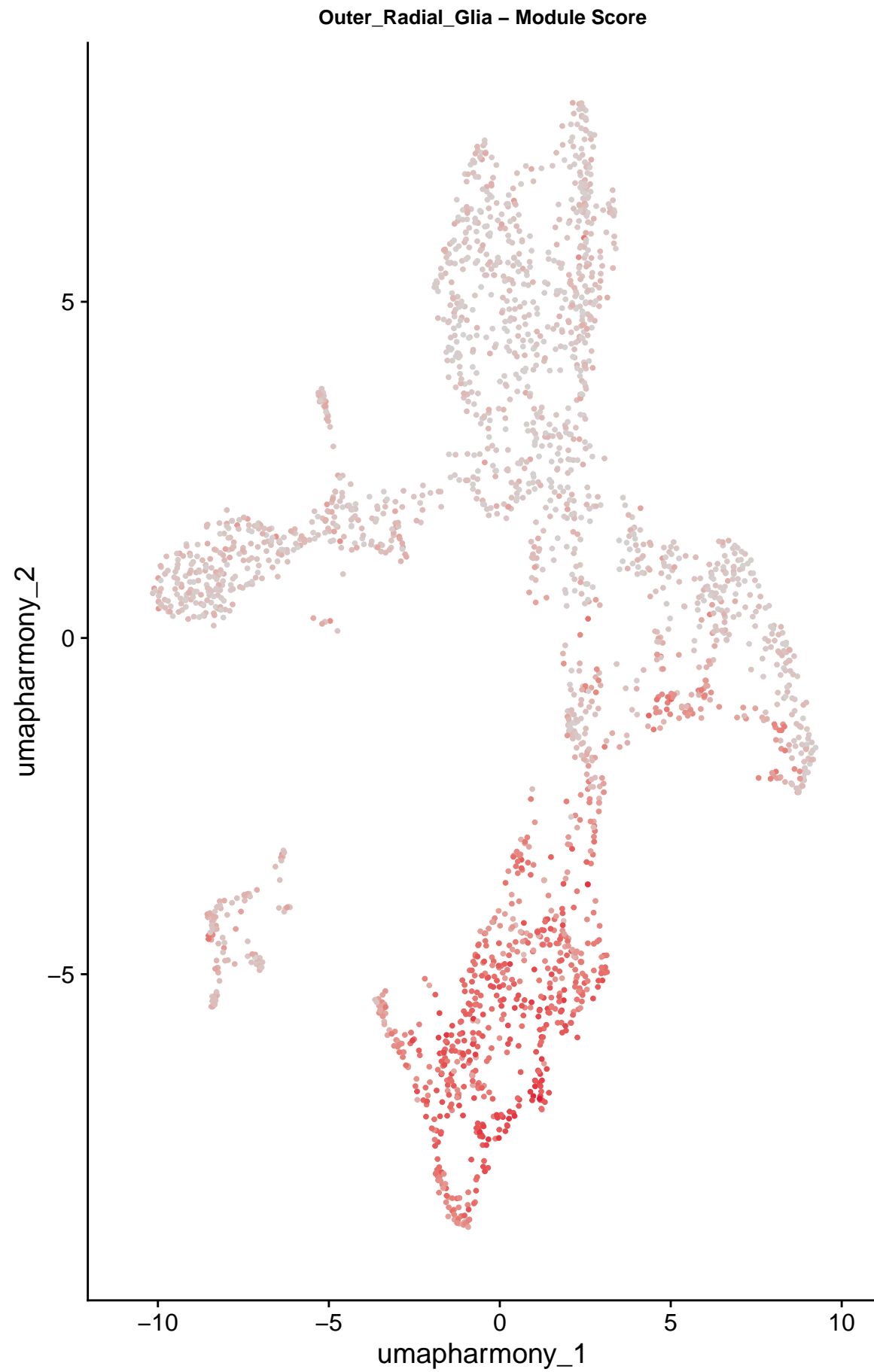
- Total Cells: 2320
- Number of Clusters: 11
- Consensus Cell Types: 8

Marker Structure:

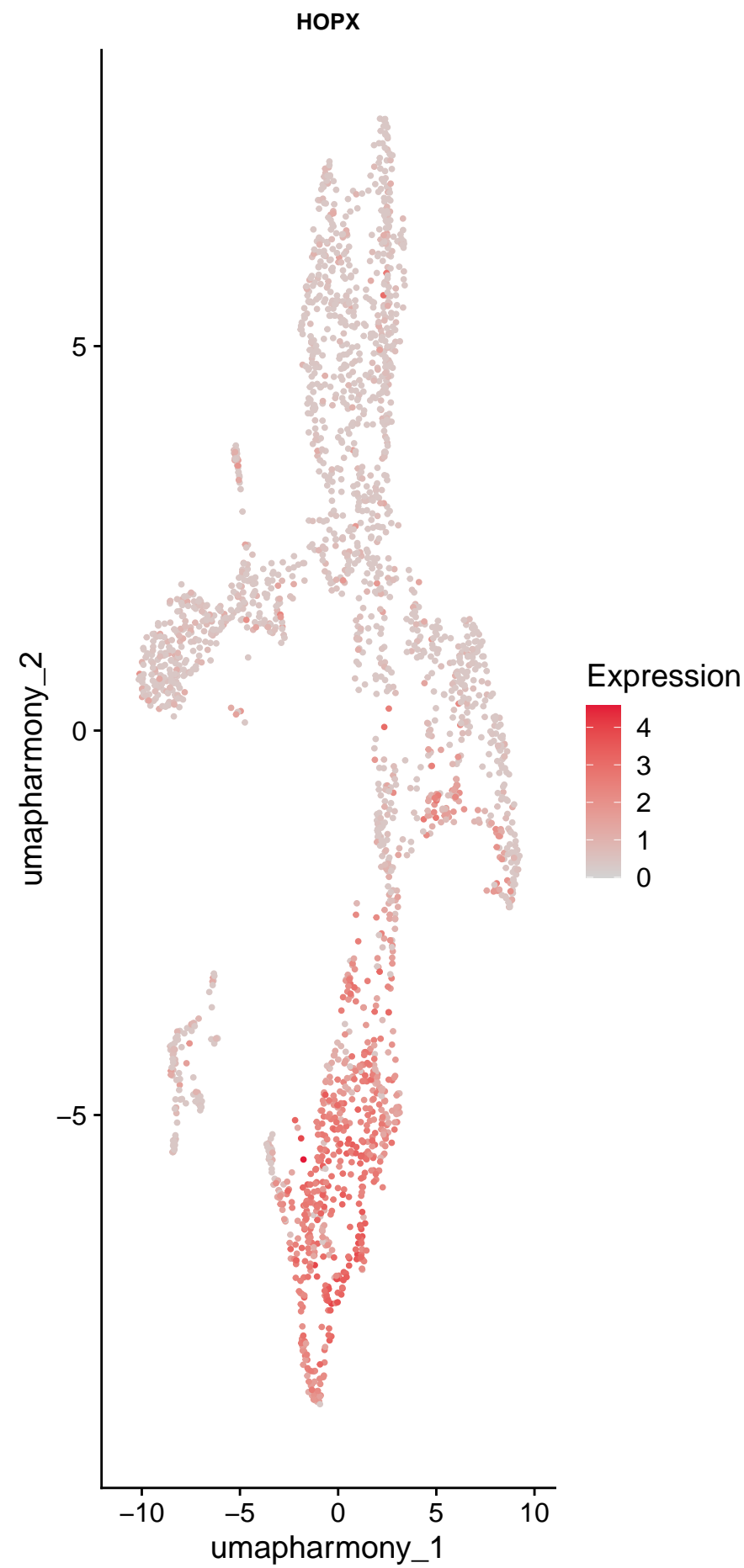
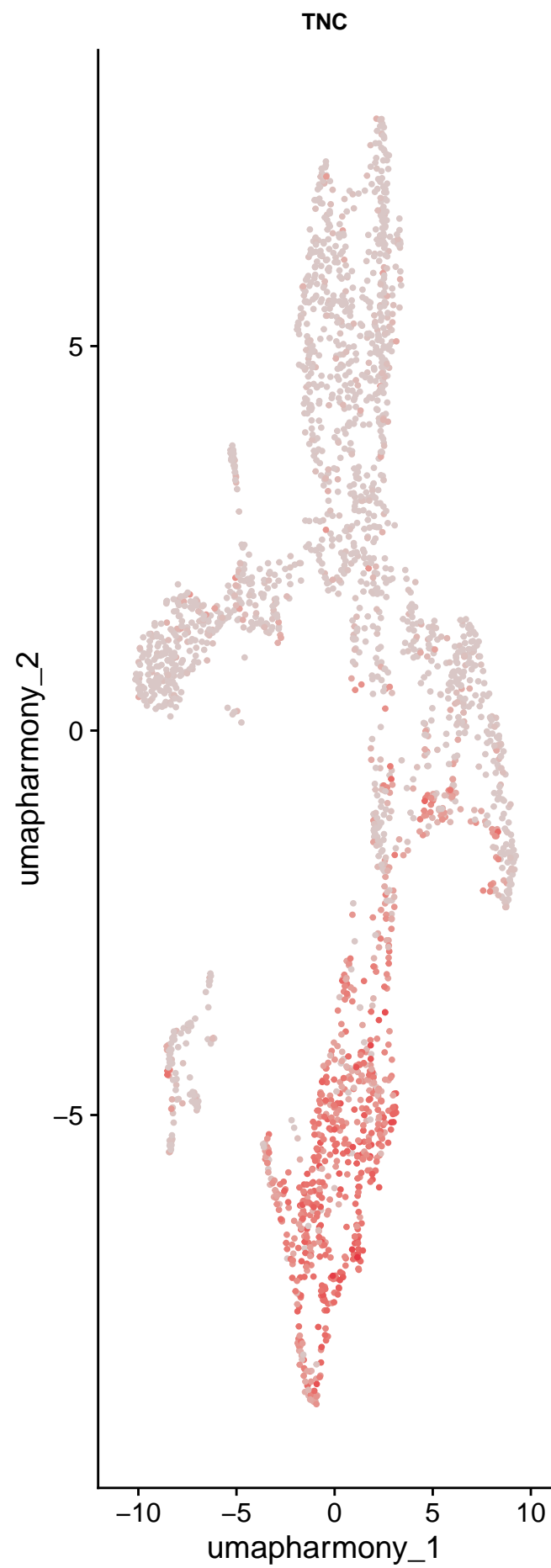
- Categories: 4
- Marker Sets: 6
- Total Genes Tested: 15
- Genes Found: 14 (93.3%)
- ~ 93% of genes found

category	marker_set	gene_symbol
Oligodendrocyte_Lineage	Committed_Precursors	GPR17

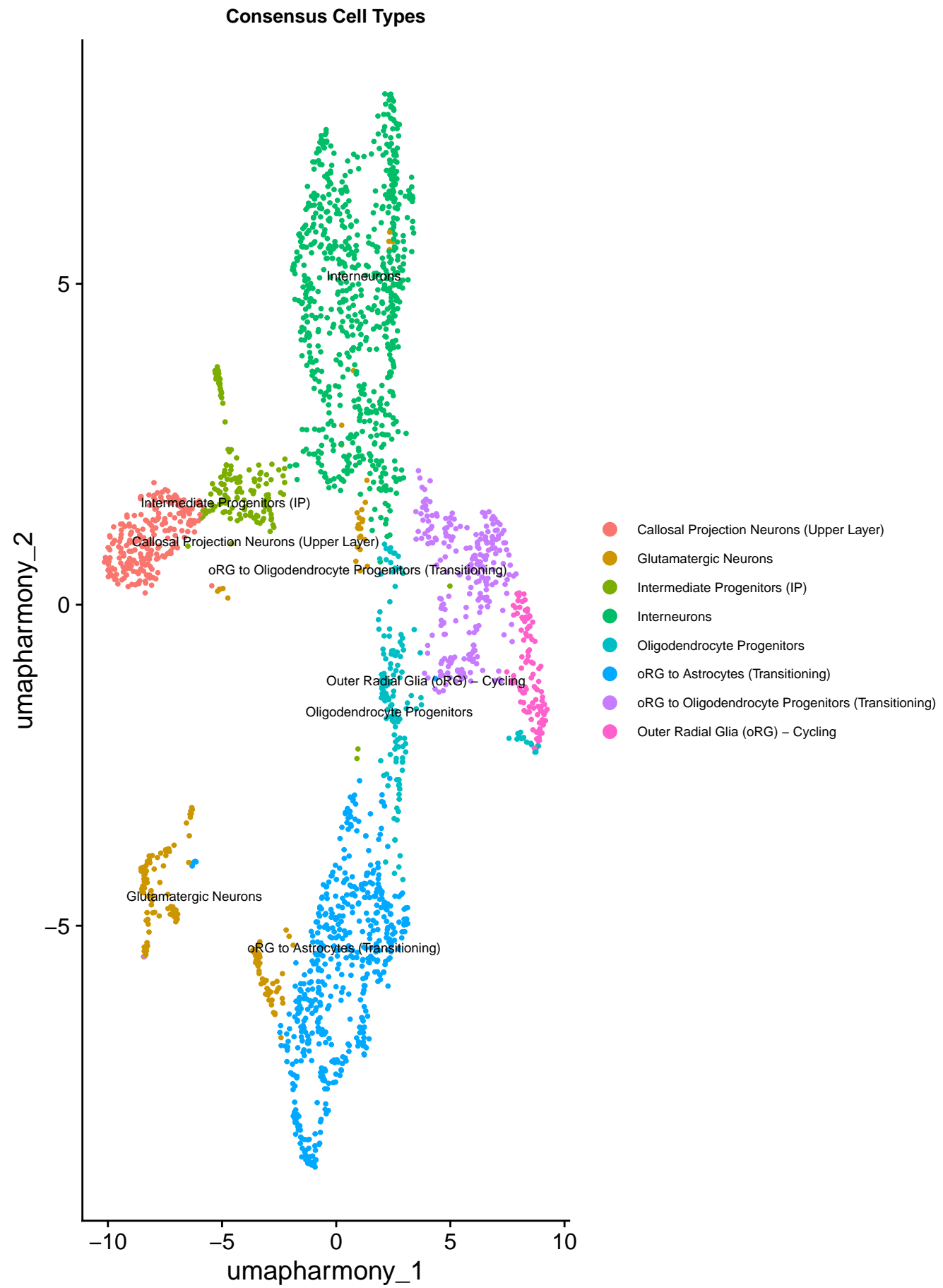
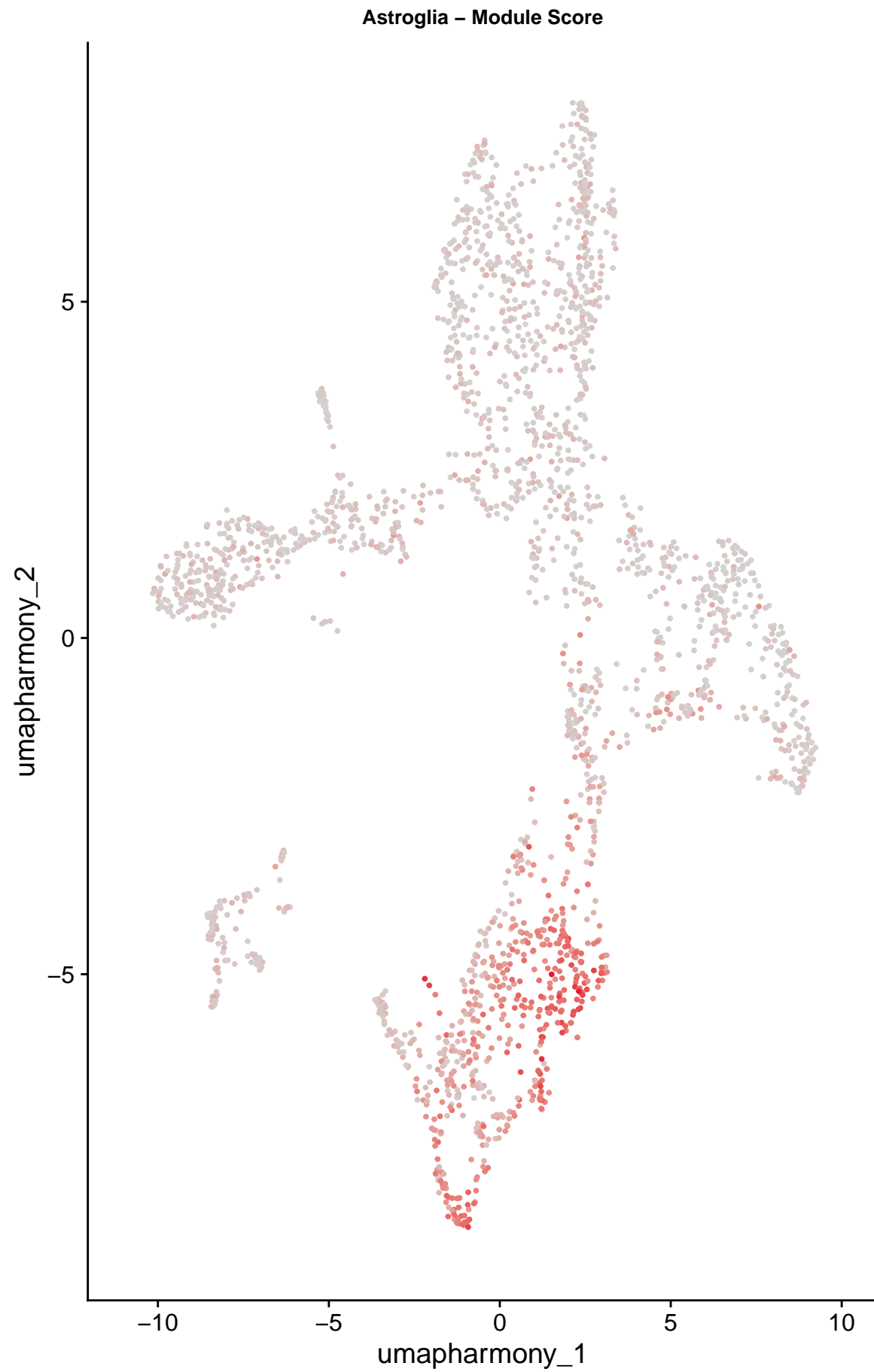
Outer_Radial_Glia (Progenitors)
Genes: HOPX, TNC



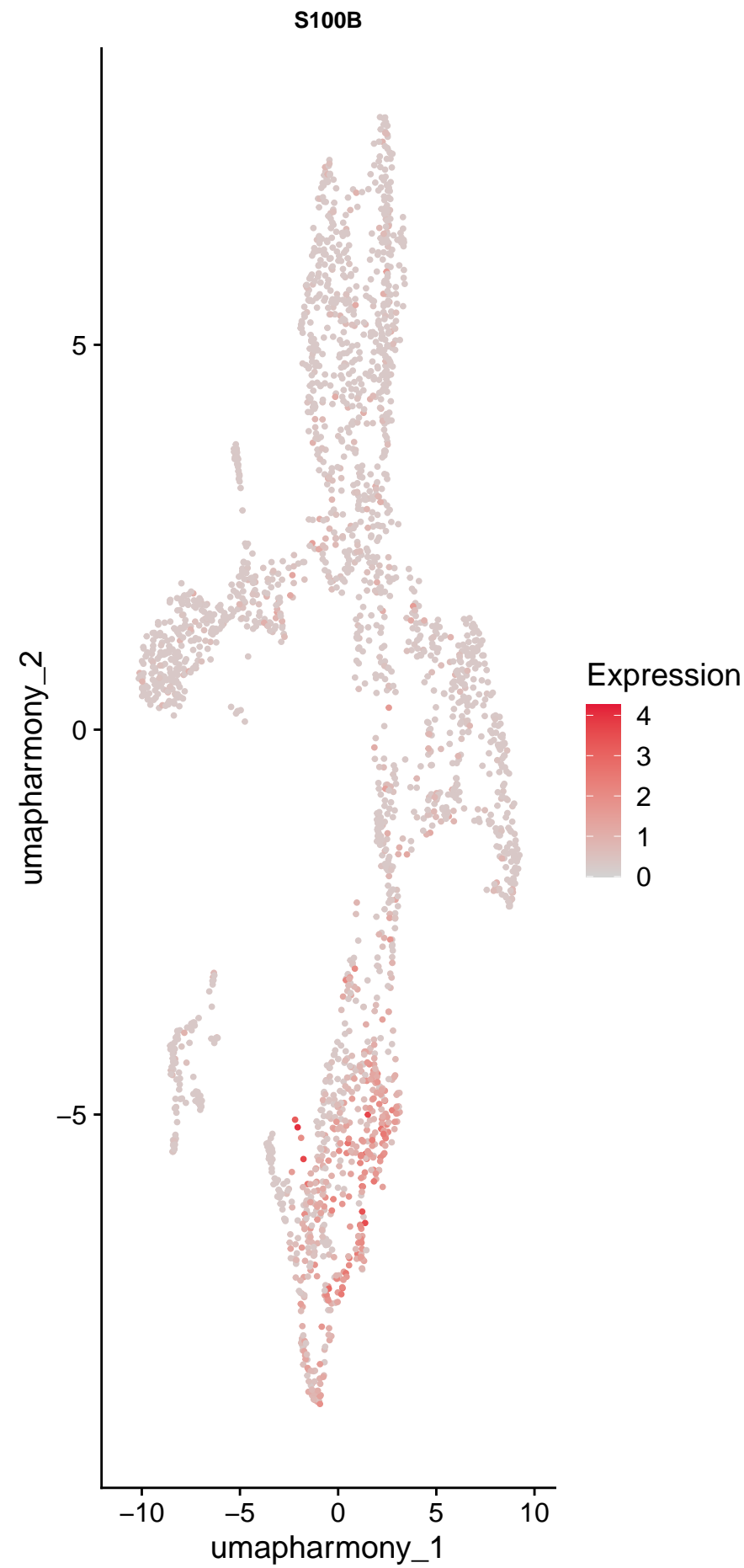
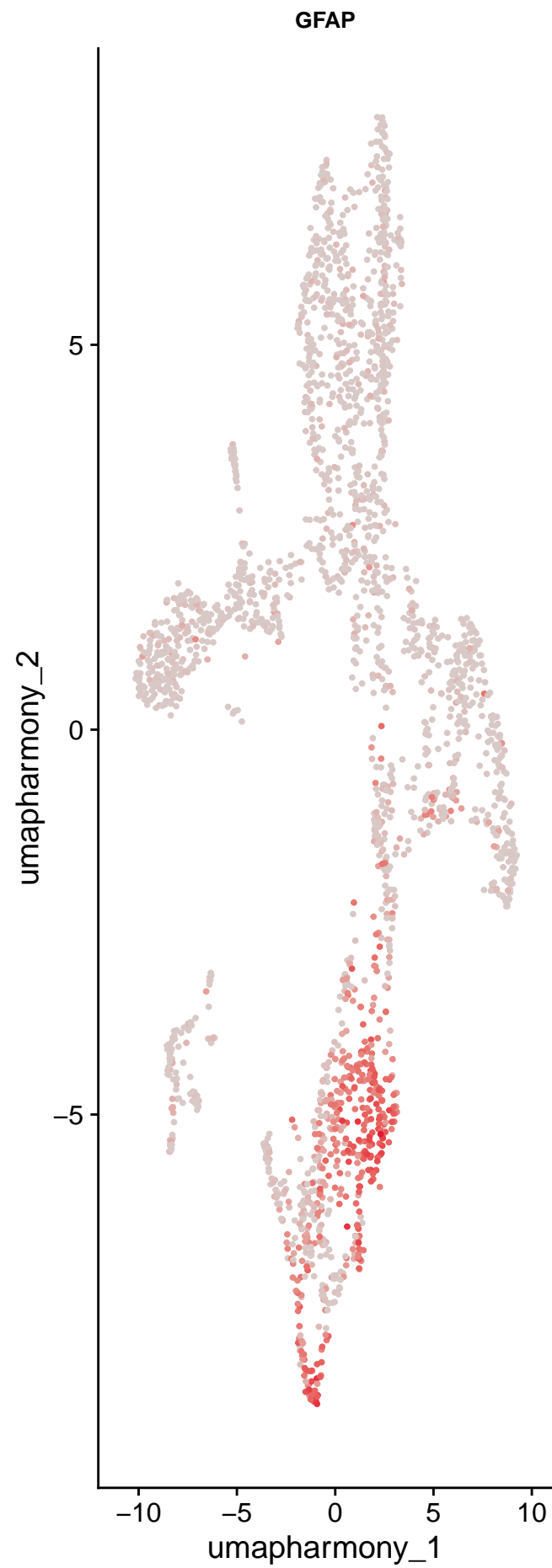
Outer_Radial_Glia - Individual Gene Expression



Astroglia (Glia)
Genes: GFAP, S100B



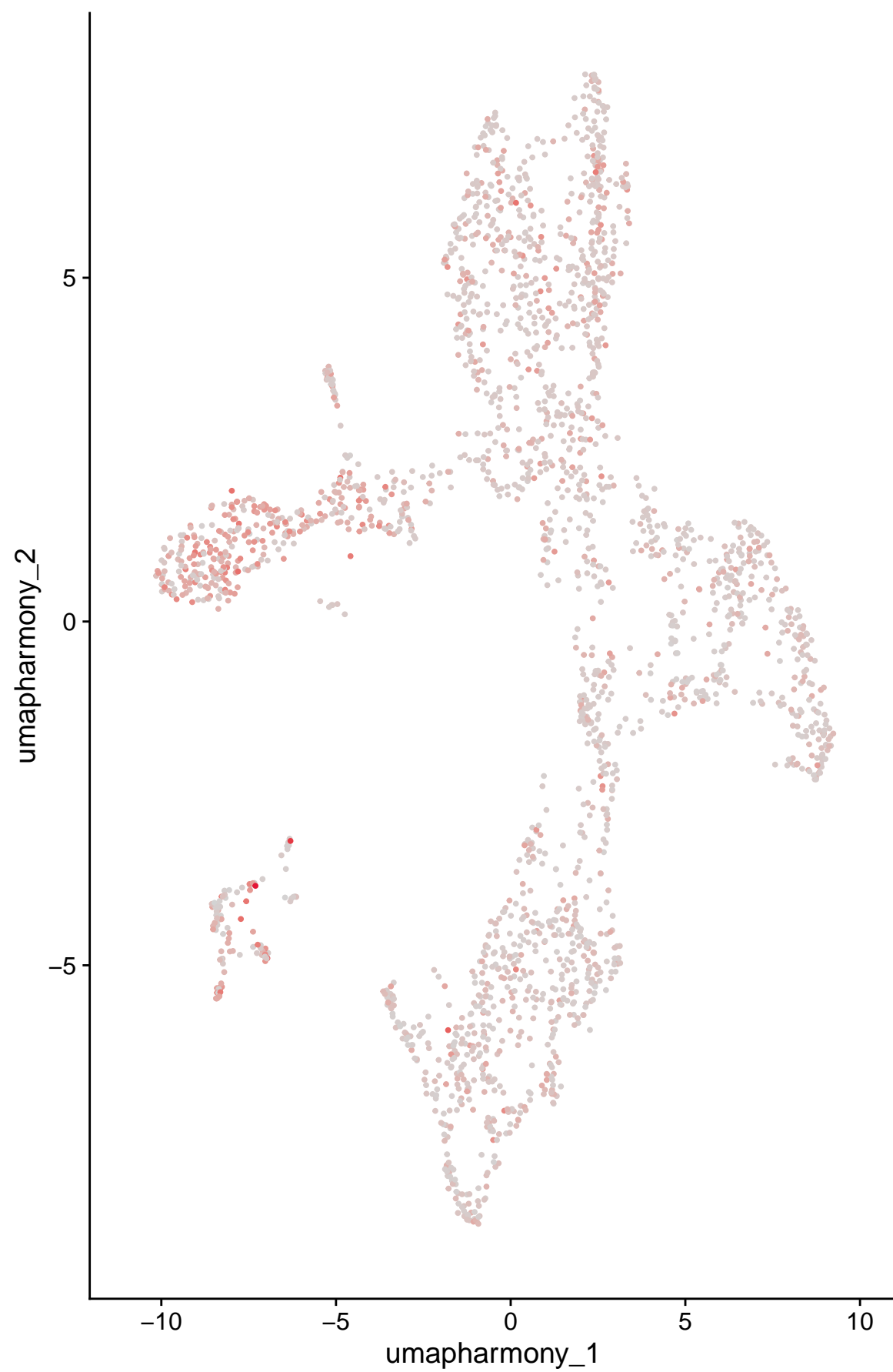
Astroglia – Individual Gene Expression



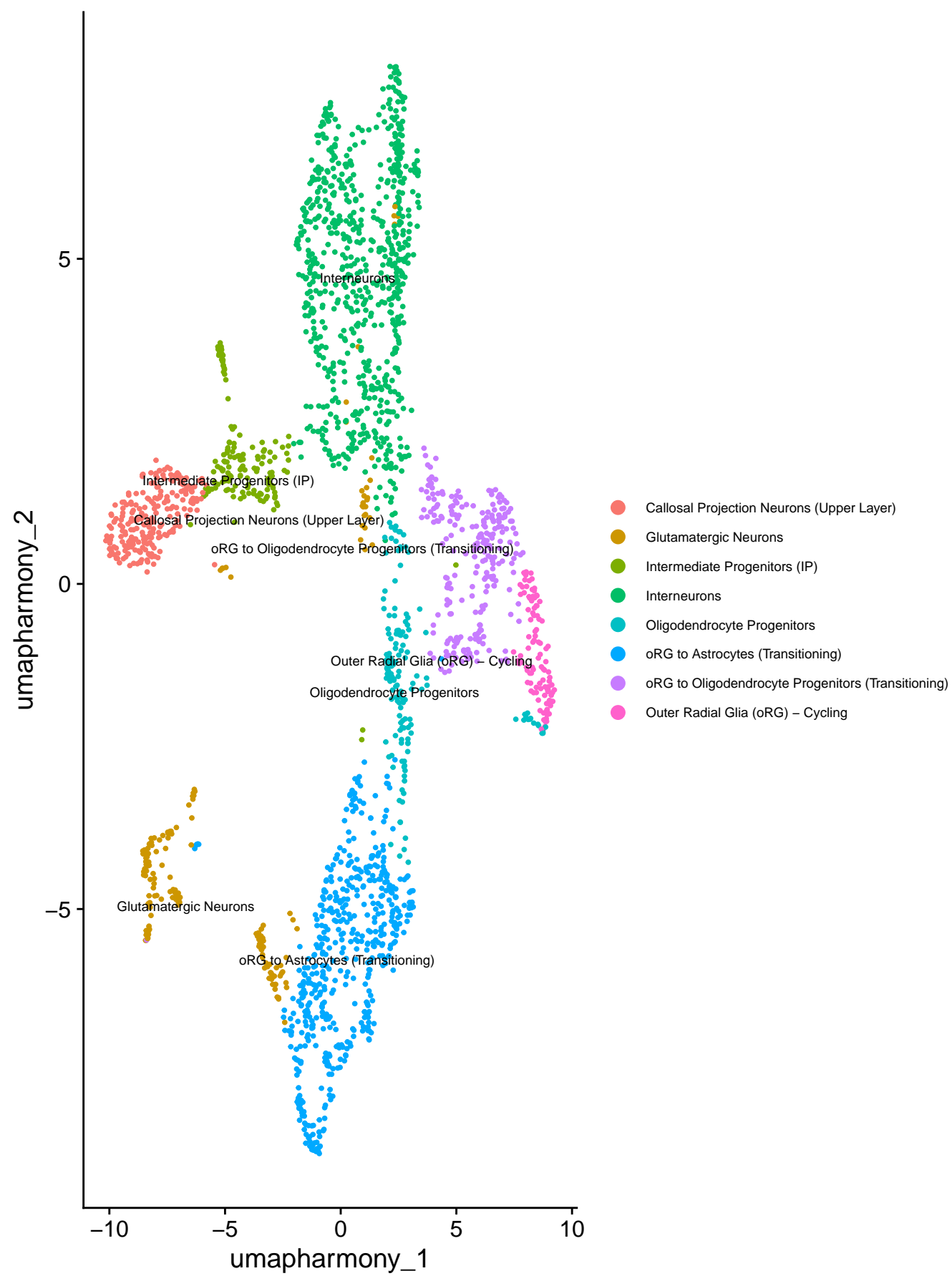
Synaptic_Markers (Synaptic_Maturation)

Genes: SLC17A7, DLG4

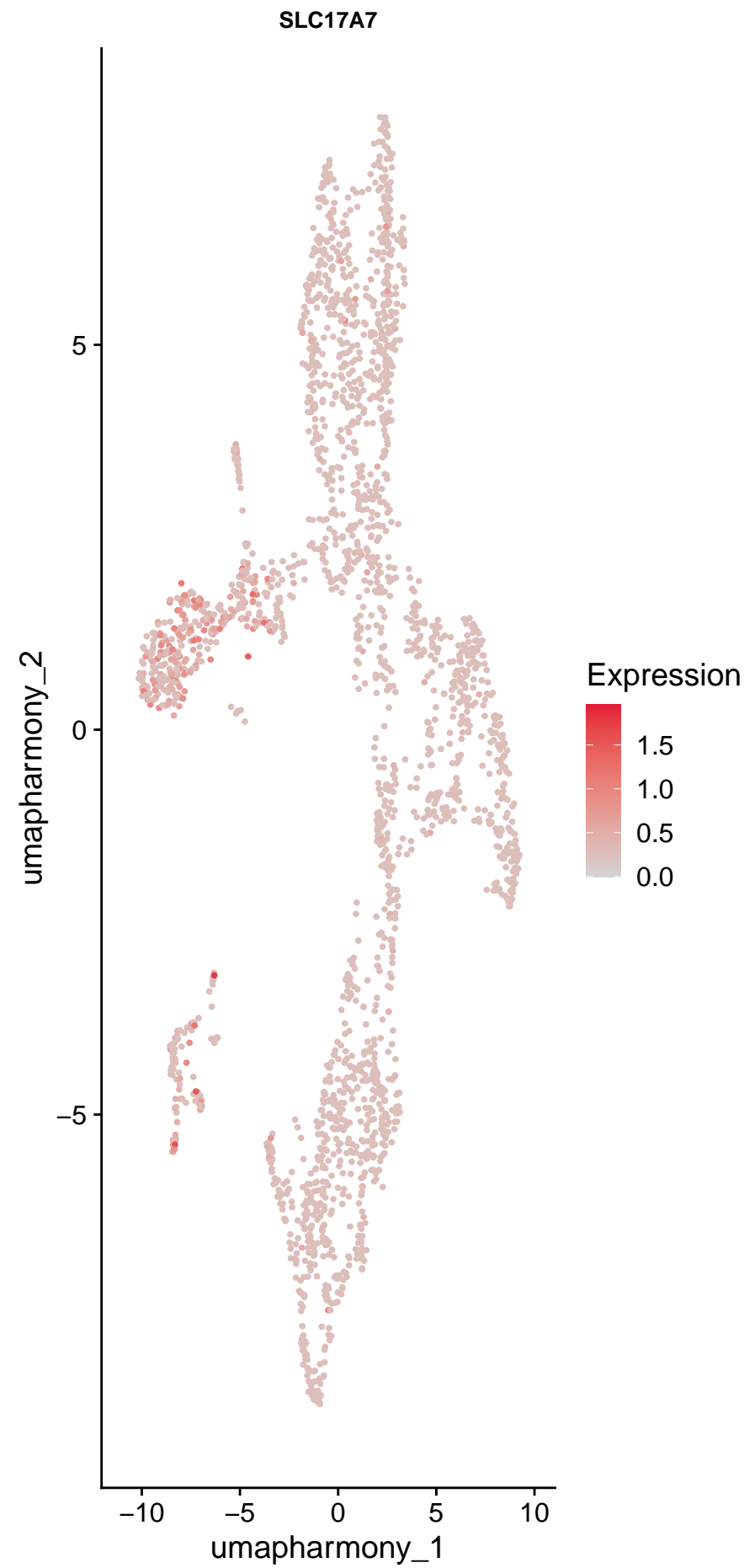
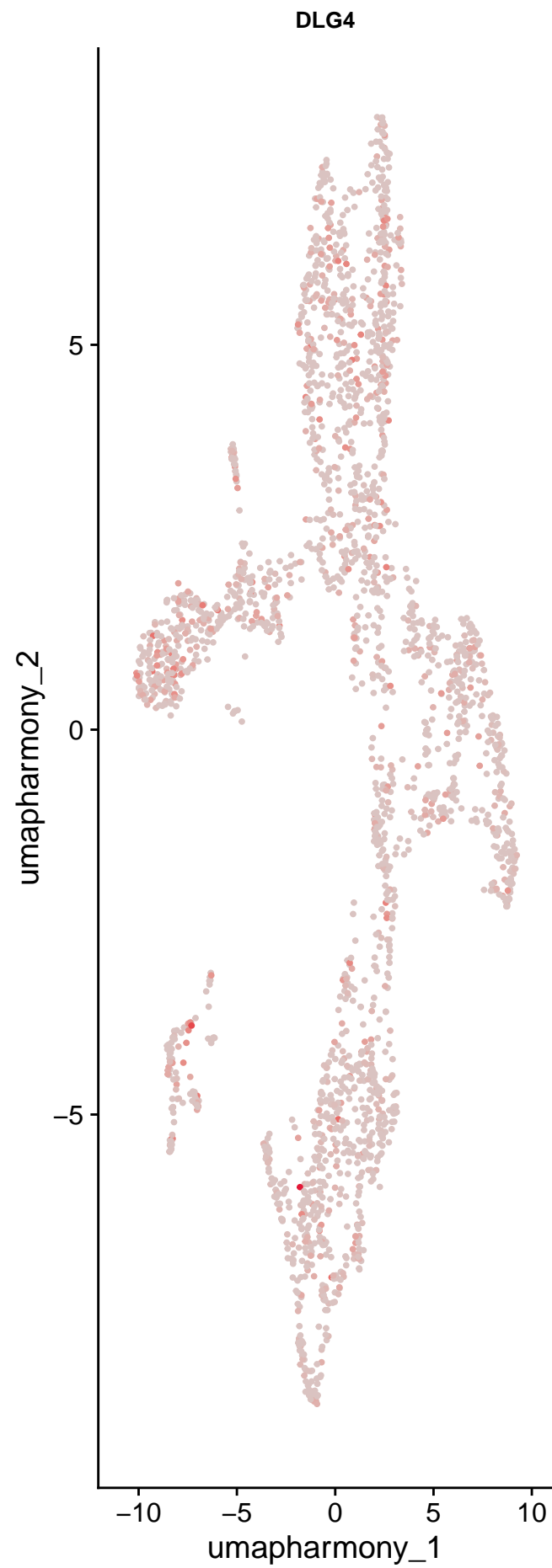
Synaptic_Markers – Module Score



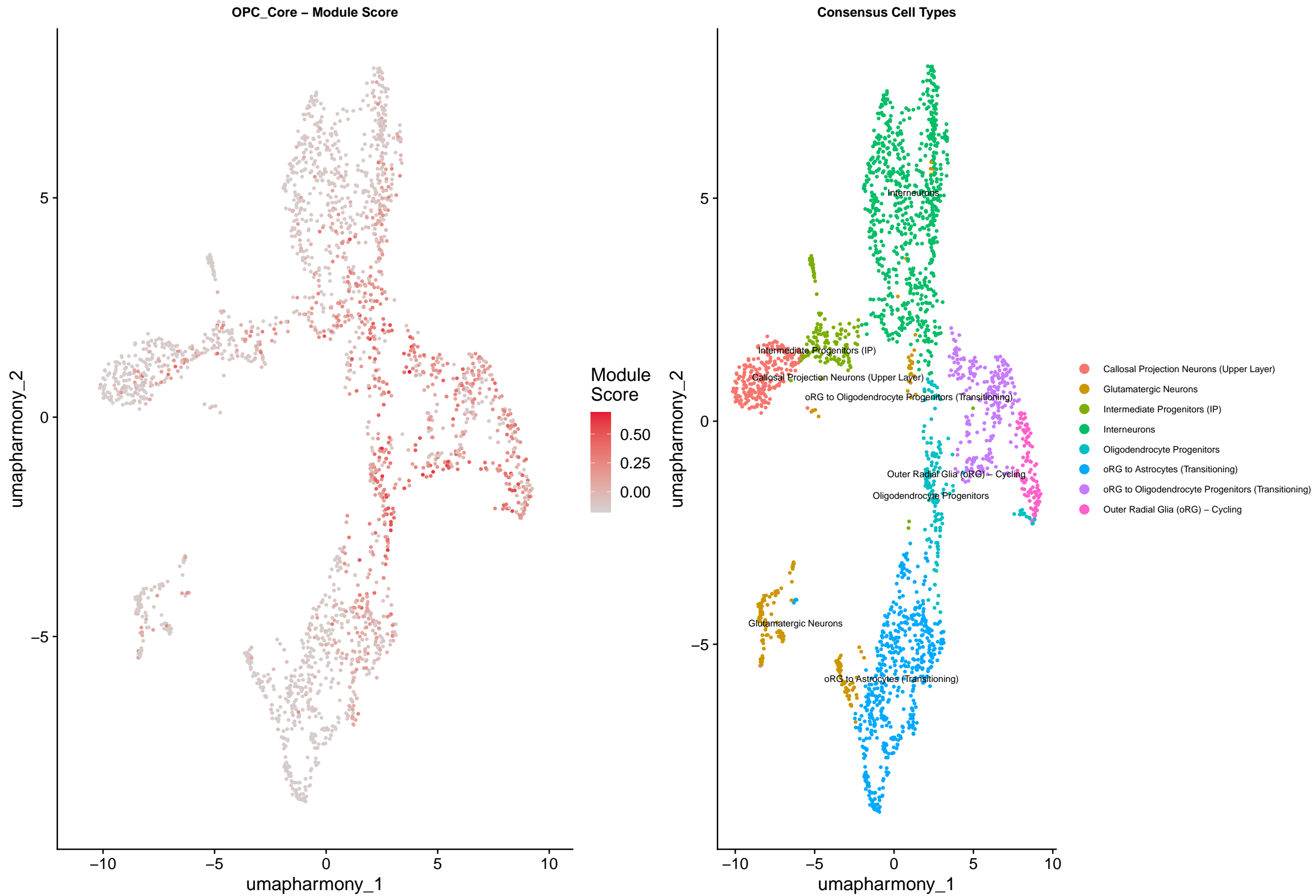
Consensus Cell Types



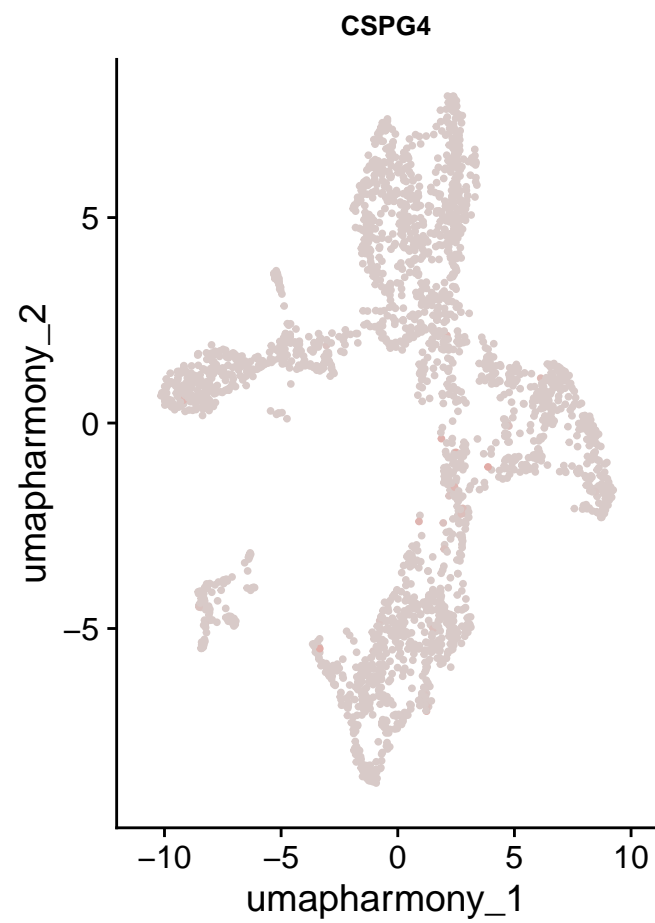
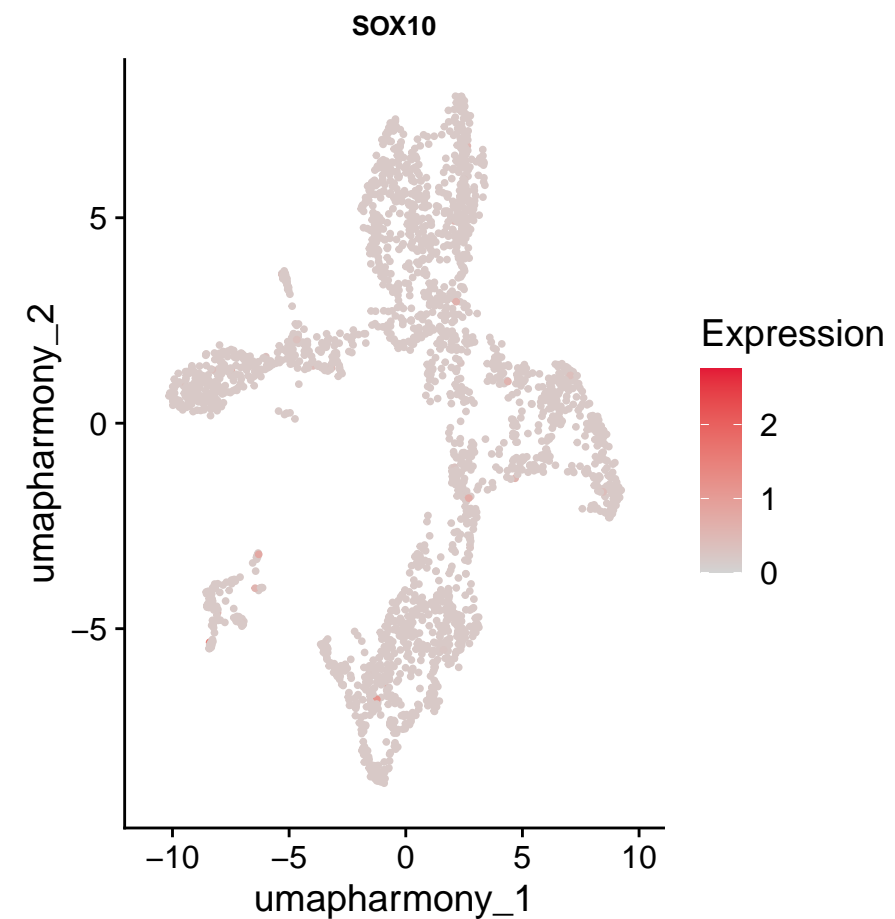
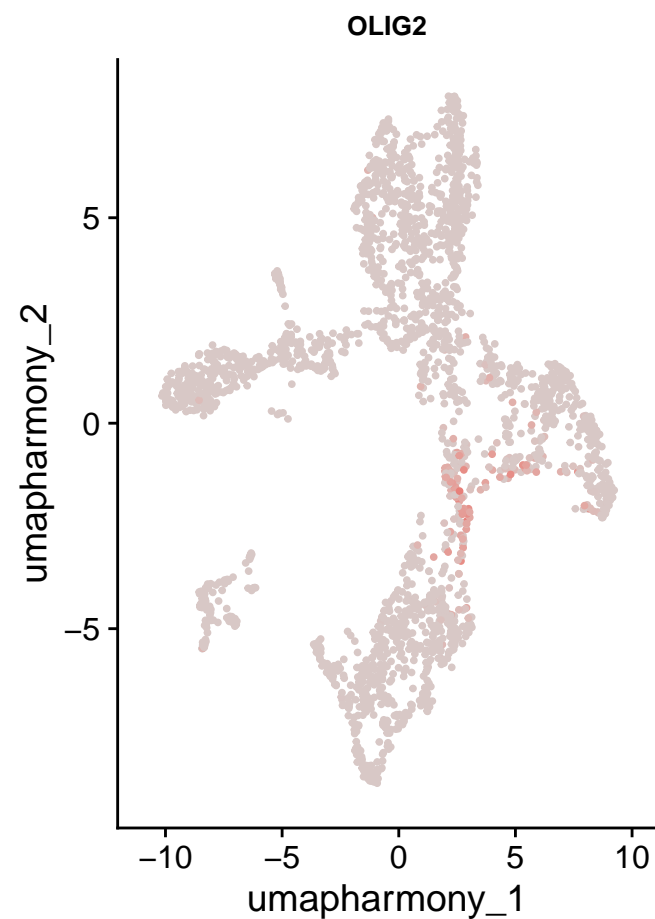
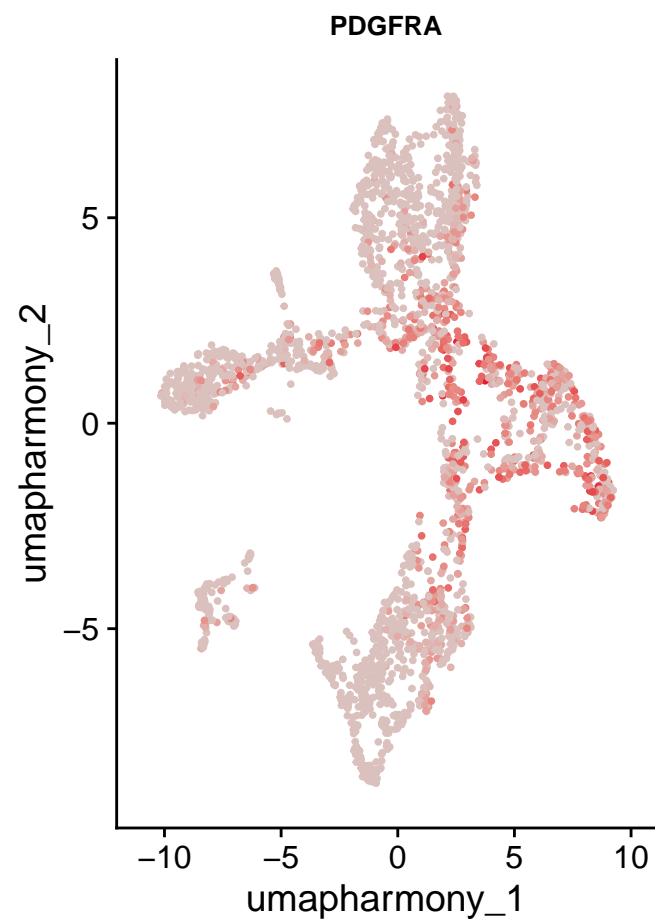
Synaptic_Markers – Individual Gene Expression



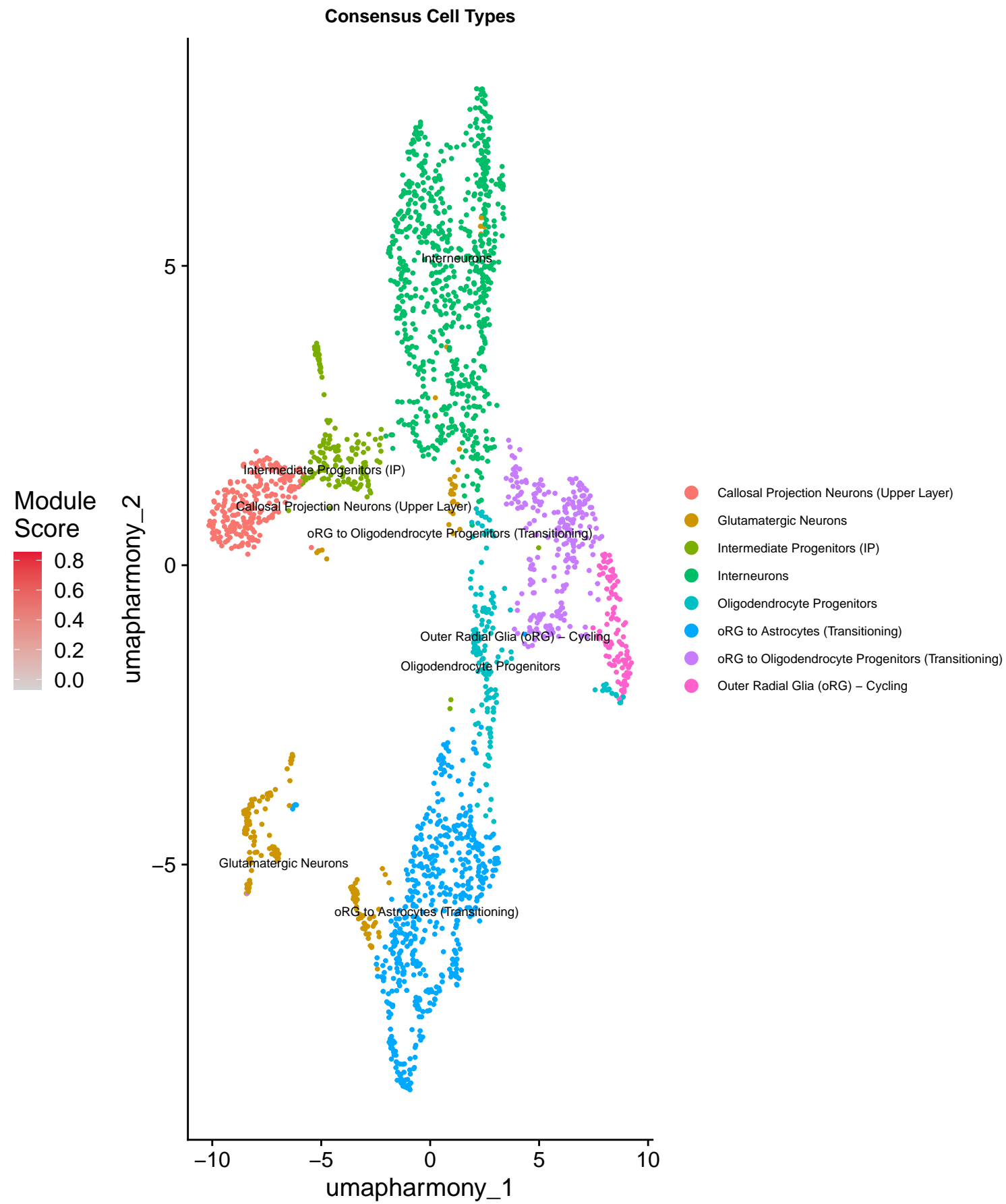
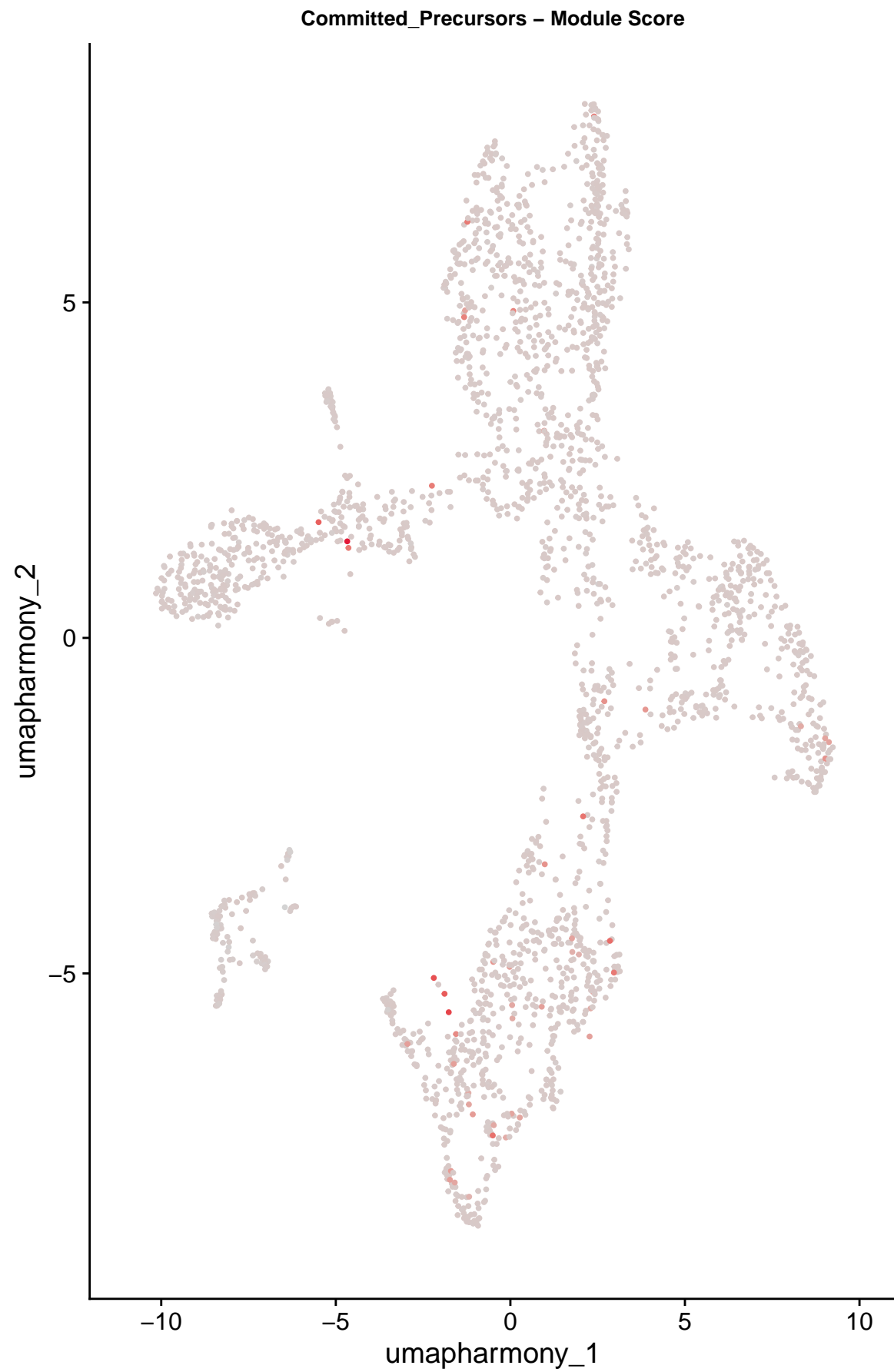
OPC_Core (Oligodendrocyte_Lineage)
Genes: PDGFRA, OLIG2, SOX10, CSPG4

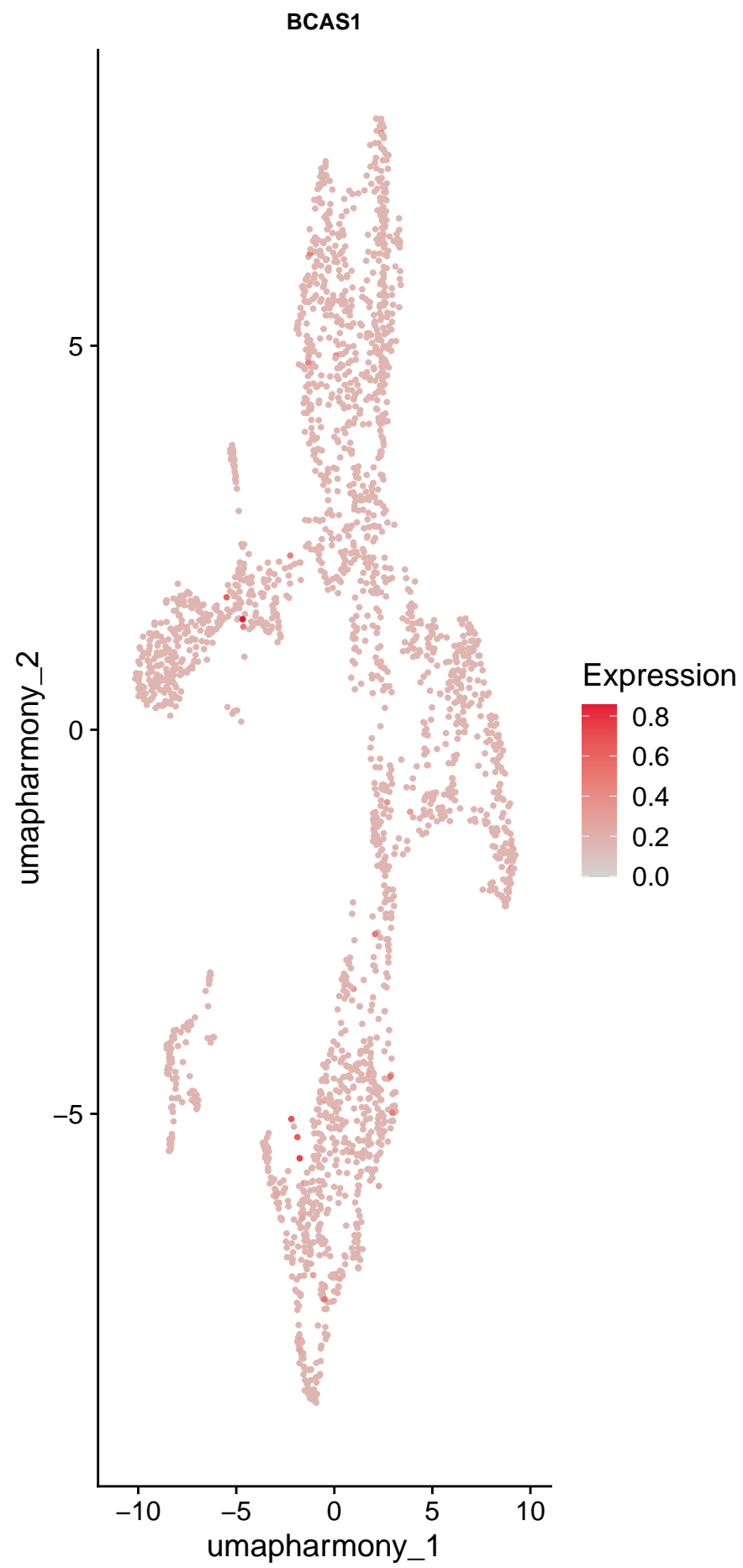


OPC_Core – Individual Gene Expression

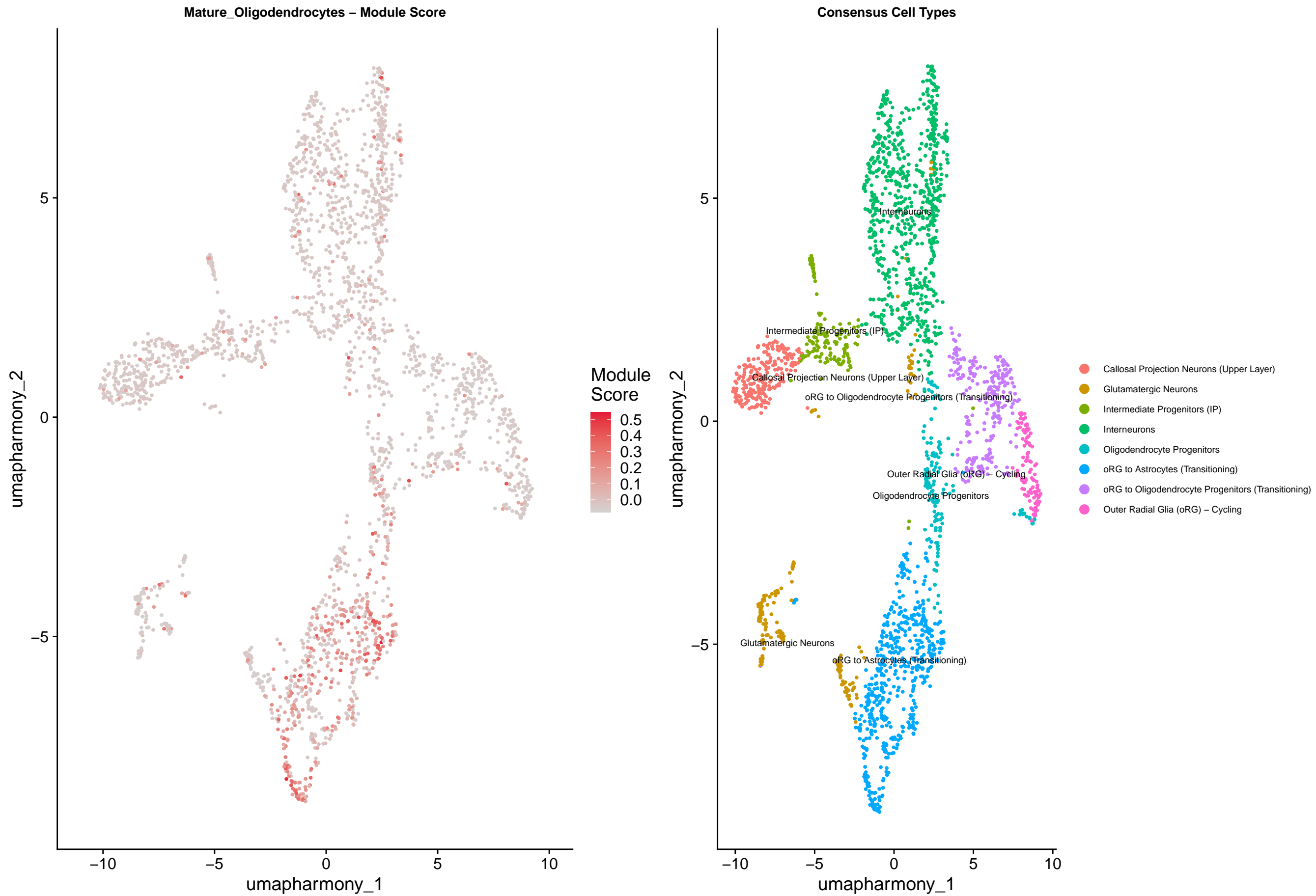


Committed_Precursors (Oligodendrocyte_Lineage)
Genes: GPR17, BCAS1
[Missing: GPR17]





Mature_Oligodendrocytes (Oligodendrocyte_Lineage)
Genes: MBP, PLP1, MOG



Mature_Oligodendrocytes – Individual Gene Expression

