## **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:

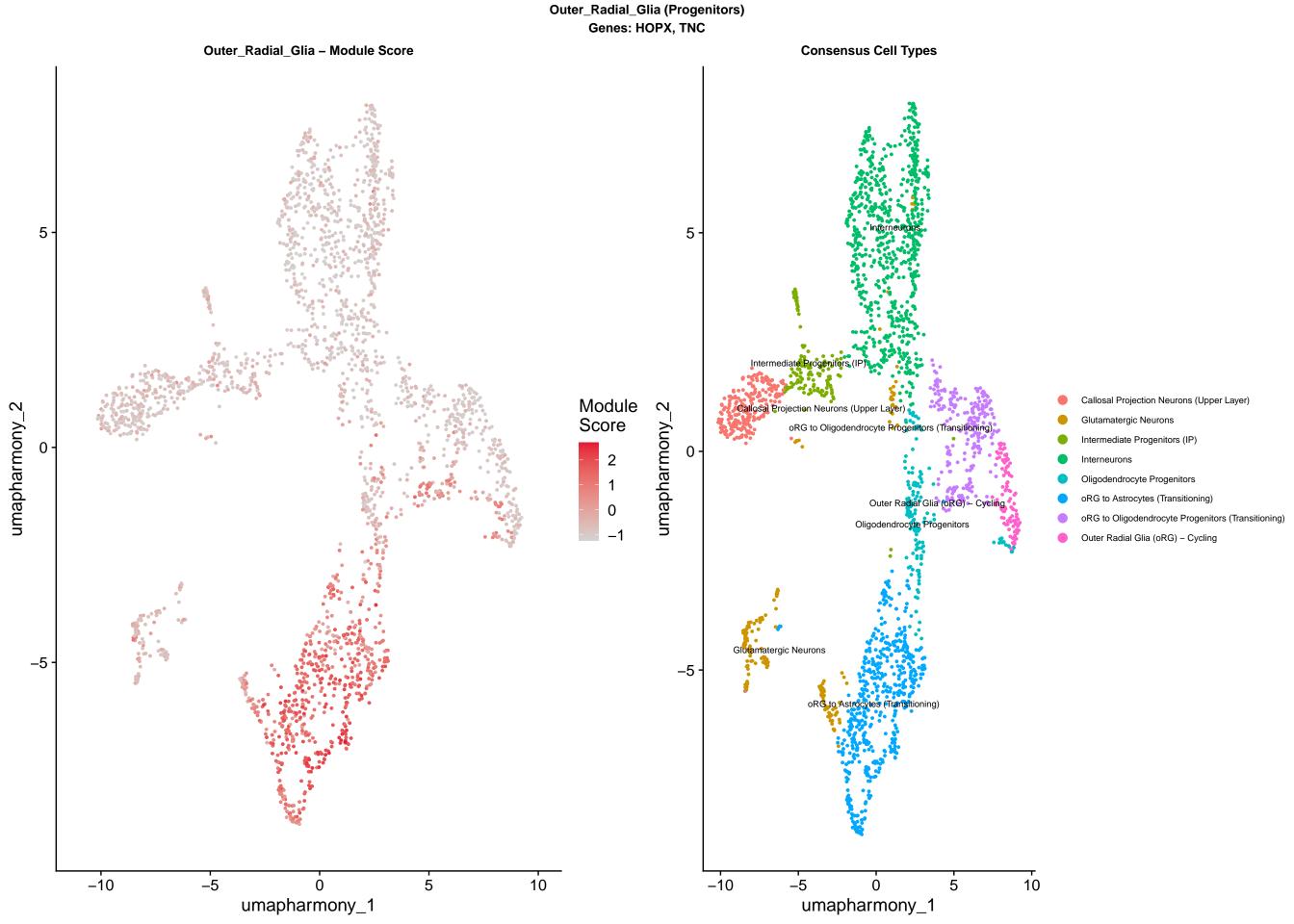
Categories: 4

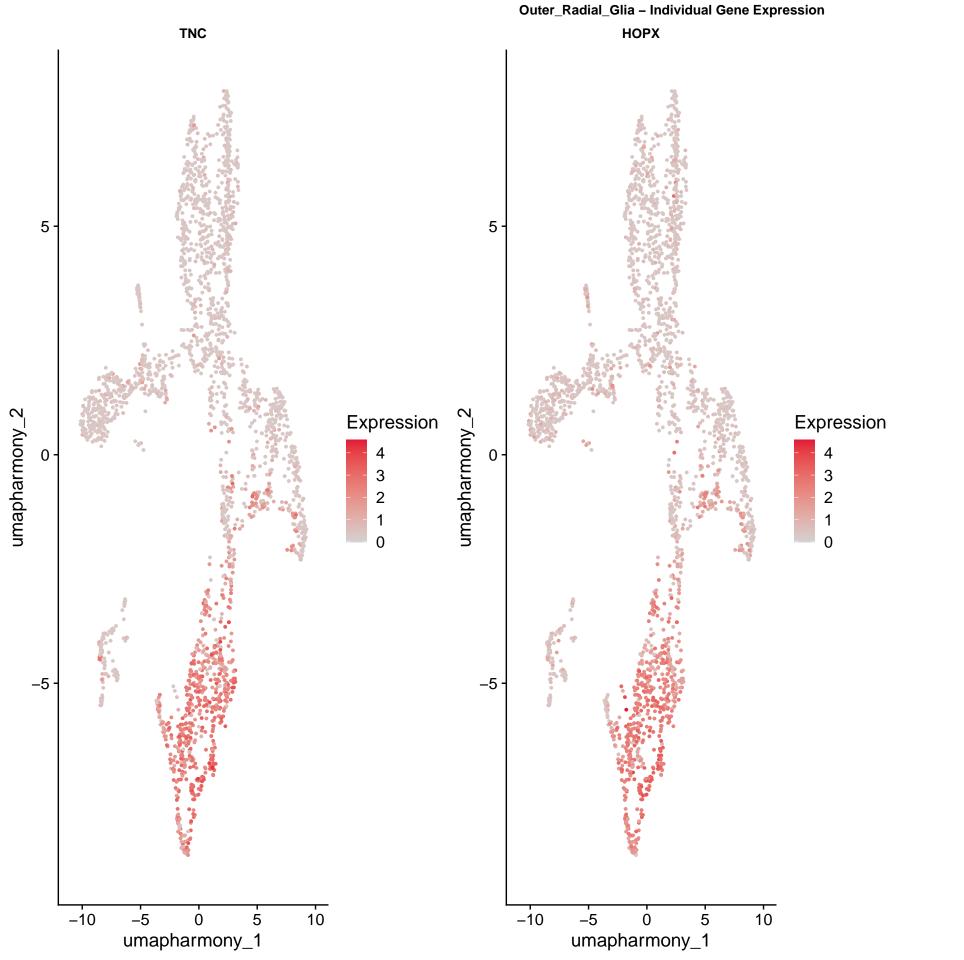
Marker Sets: 6

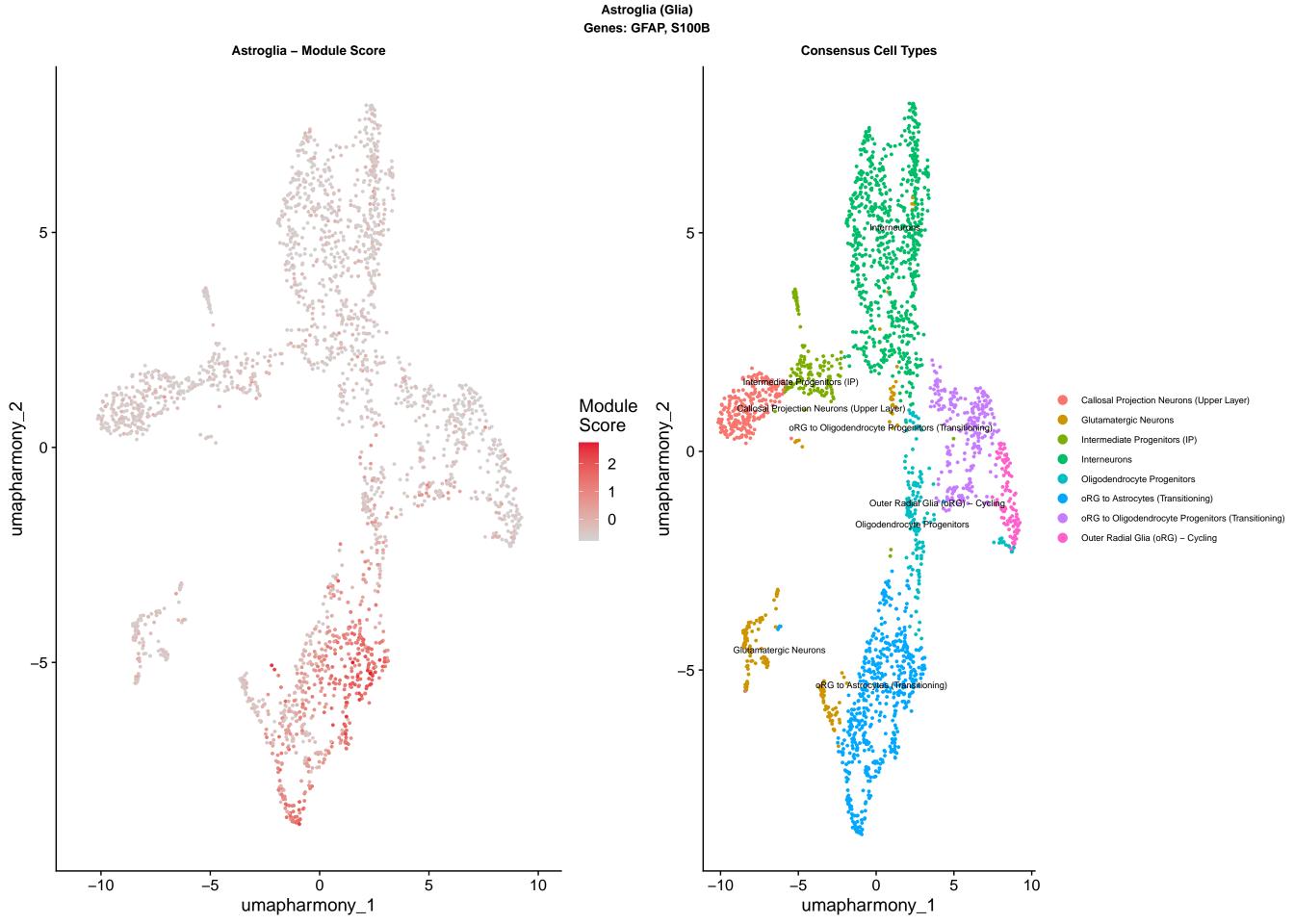
Total Genes Tested: 15
Genes Found: 14 (93.3%)

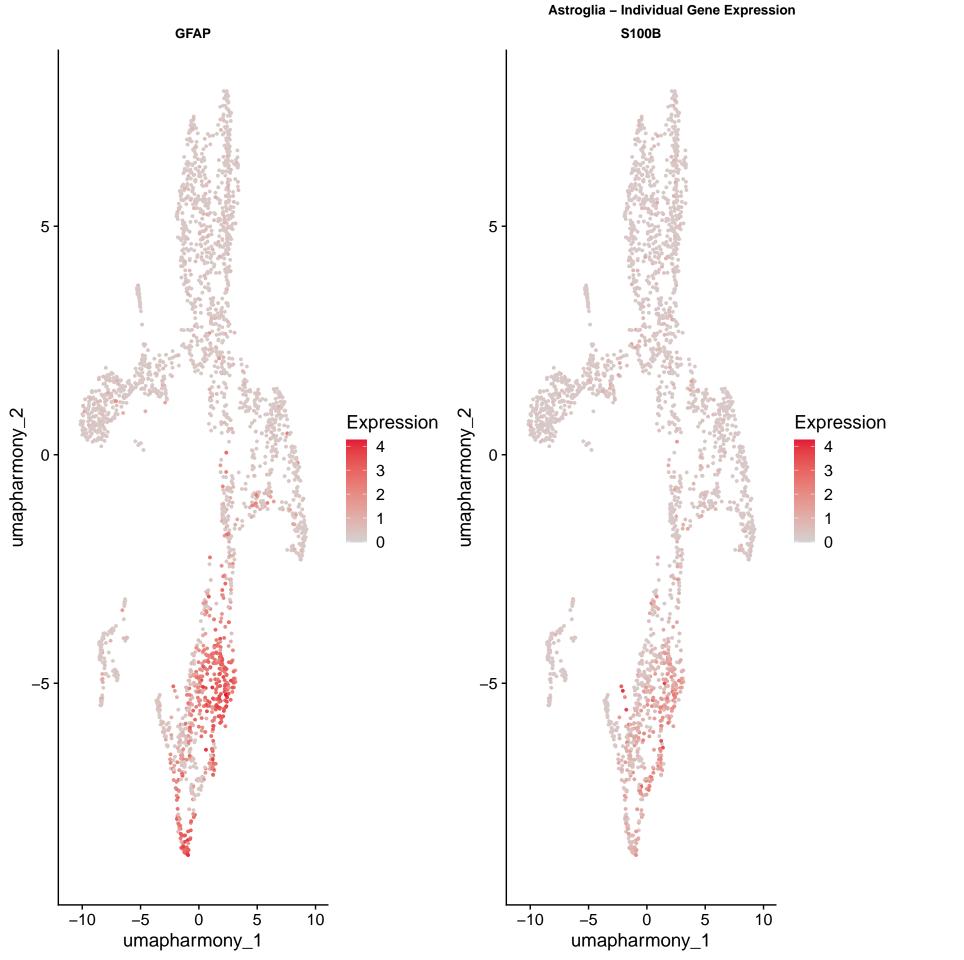
~ 34' ' - 1

category	marker_set	gene_symbol
Oligodendrocyte_Lineage	Committed_Precursors	GPR17

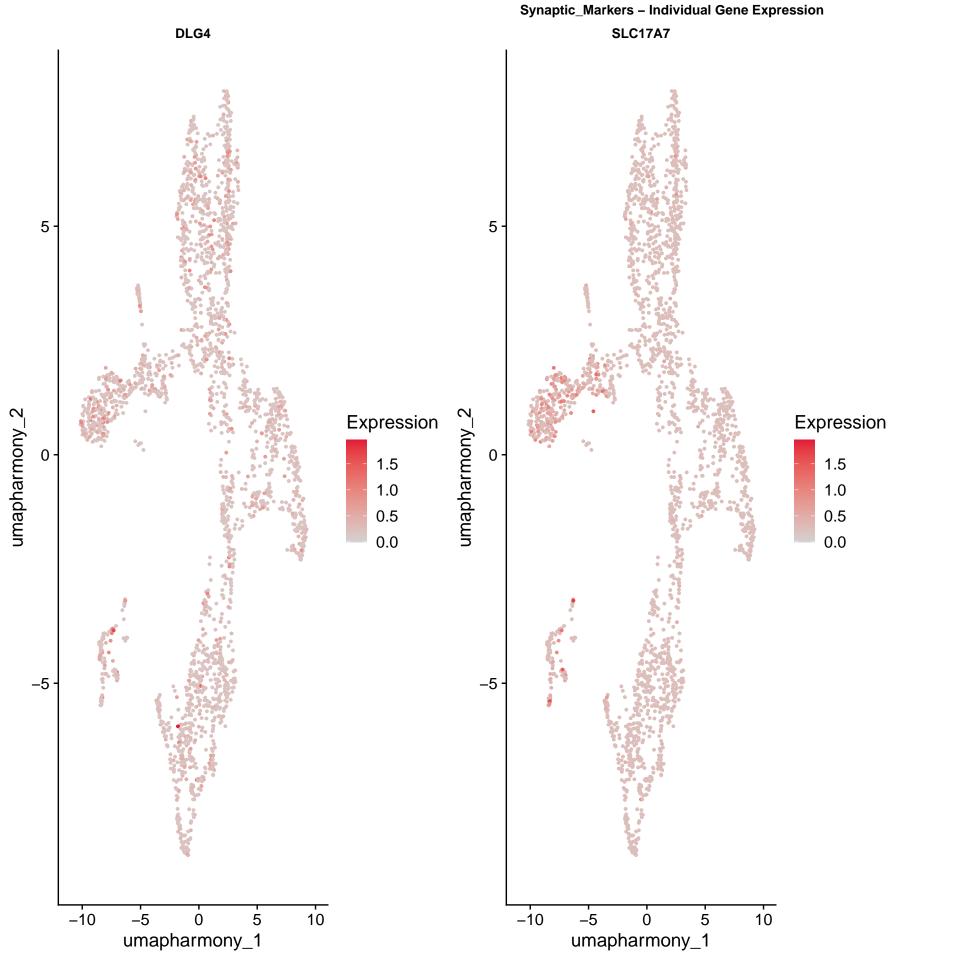




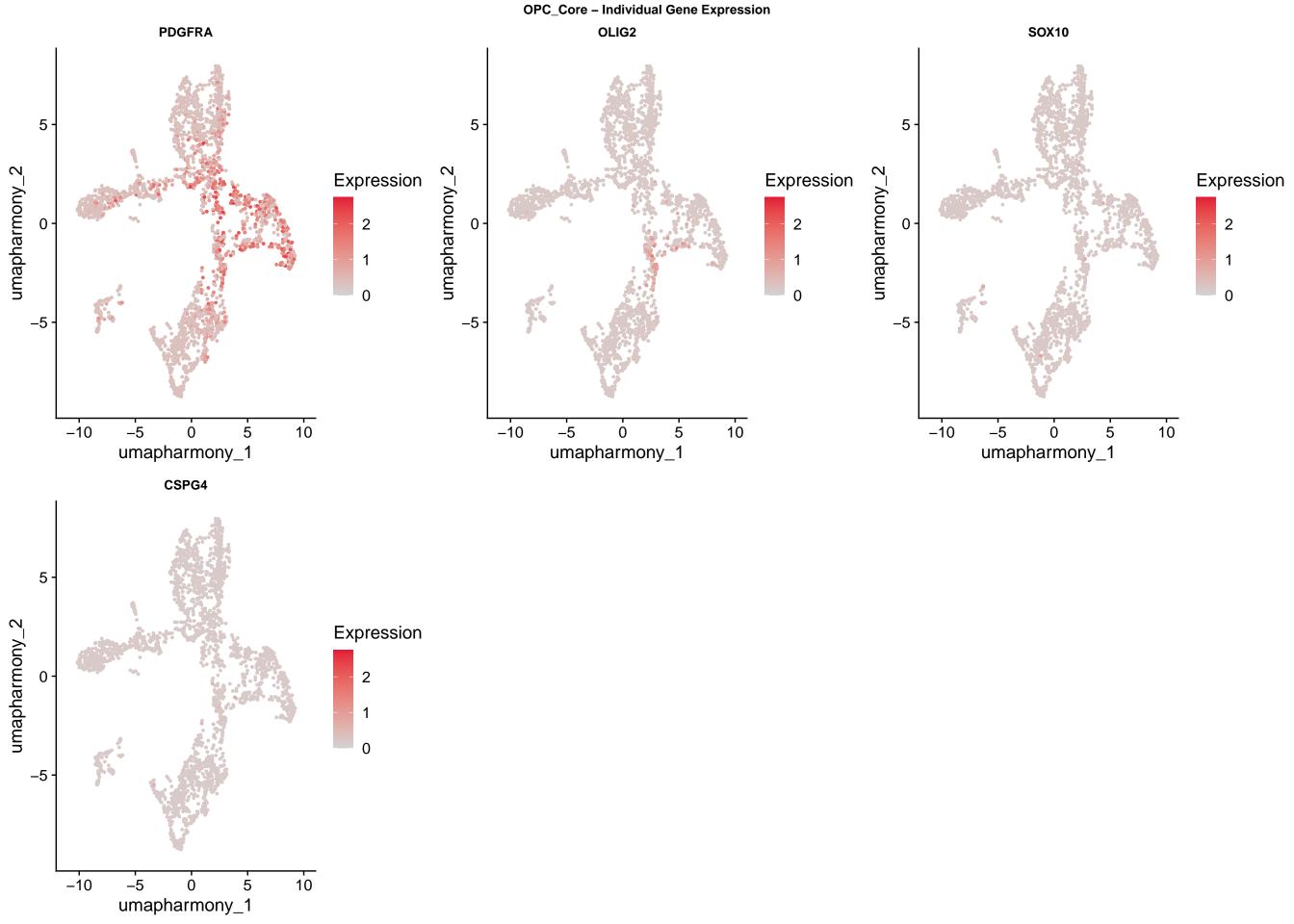




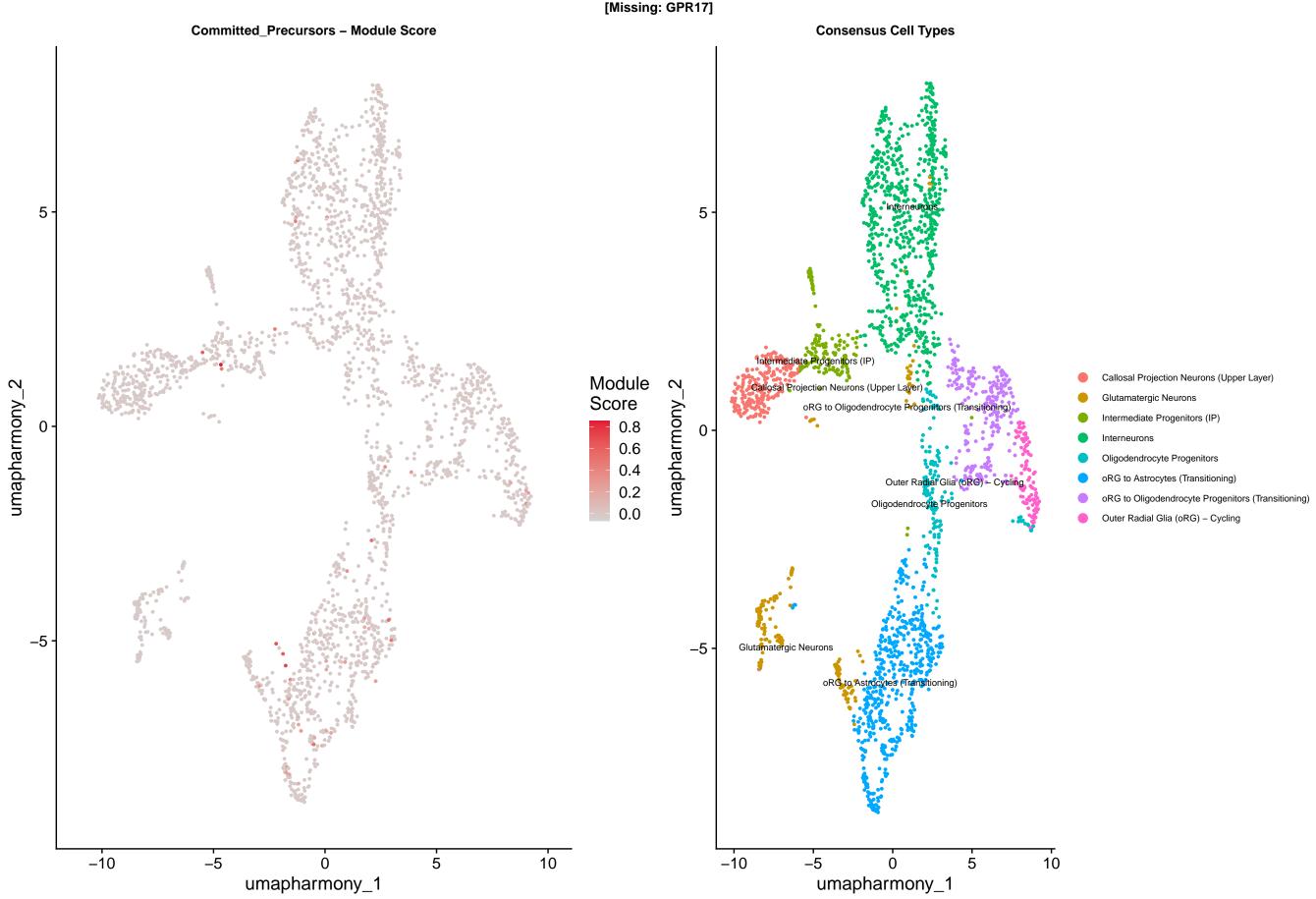
Synaptic\_Markers (Synaptic\_Maturation) Genes: SLC17A7, DLG4 Synaptic\_Markers - Module Score **Consensus Cell Types** 5 Module Callosal Projection Neurons (Upper Layer) umapharmony\_2 umapharmony\_2 Score Glutamatergic Neurons oRG to Oligodendrocyte Progenitors (Trans Intermediate Progenitors (IP) 1.2 8.0 Oligodendrocyte Progenitors oRG to Astrocytes (Transitioning) 0.4 oRG to Oligodendrocyte Progenitors (Transitioning) 0.0 Outer Radial Glia (oRG) - Cycling -5 -5 **–**10 -5 10 <u>-</u>5 -10 5 10 0 0 umapharmony\_1 umapharmony\_1

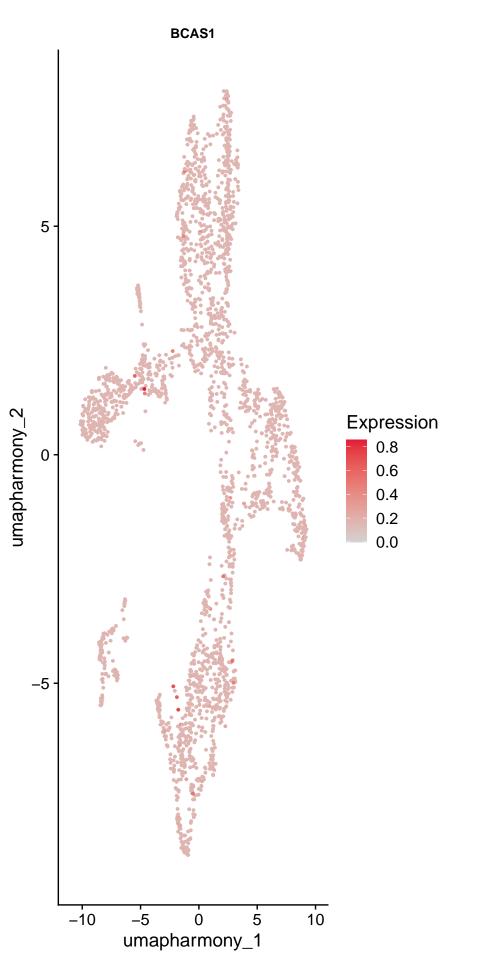


**OPC\_Core (Oligodendrocyte\_Lineage)** Genes: PDGFRA, OLIG2, SOX10, CSPG4 **OPC\_Core – Module Score Consensus Cell Types** 5 Module Score Callosal Projection Neurons (Upper Layer) umapharmony\_2 umapharmony\_2 Glutamatergic Neurons oRG to Oligodendrocyte Progenitors (Trans Intermediate Progenitors (IP) 0.50 Oligodendrocyte Progenitors 0.25 oRG to Astrocytes (Transitioning) 0.00 oRG to Oligodendrocyte Progenitors (Transitioning) Outer Radial Glia (oRG) - Cycling -5 -5 **–**10 -5 10 **-10** <u>-</u>5 10 0 0 5 umapharmony\_1 umapharmony\_1



Committed\_Precursors (Oligodendrocyte\_Lineage)
Genes: GPR17, BCAS1
[Missing: GPR17]





Mature\_Oligodendrocytes (Oligodendrocyte\_Lineage) Genes: MBP, PLP1, MOG Mature\_Oligodendrocytes - Module Score **Consensus Cell Types** 5 Module Callosal Projection Neurons (Upper Layer) umapharmony\_2 umapharmony\_2 Score Glutamatergic Neurons oRG to Oligodendrocyte Progenitors (Trans Intermediate Progenitors (IP) 0.5 0.4 0.3 0.2 0.1 0.0 Oligodendrocyte Progenitors oRG to Astrocytes (Transitioning) oRG to Oligodendrocyte Progenitors (Transitioning) Outer Radial Glia (oRG) - Cycling -5 -5 **–**10 -5 10 <u>-</u>5 10 -10 0 0 5 umapharmony\_1 umapharmony\_1

