

1M_Org – Marker Validation Summary

MARKER GENE VALIDATION SUMMARY

Timepoint: 1M_Org

Dataset Information:

Total Cells: 3588

Number of Clusters: 13

Optimal Resolution: 13 clusters

Validation Statistics:

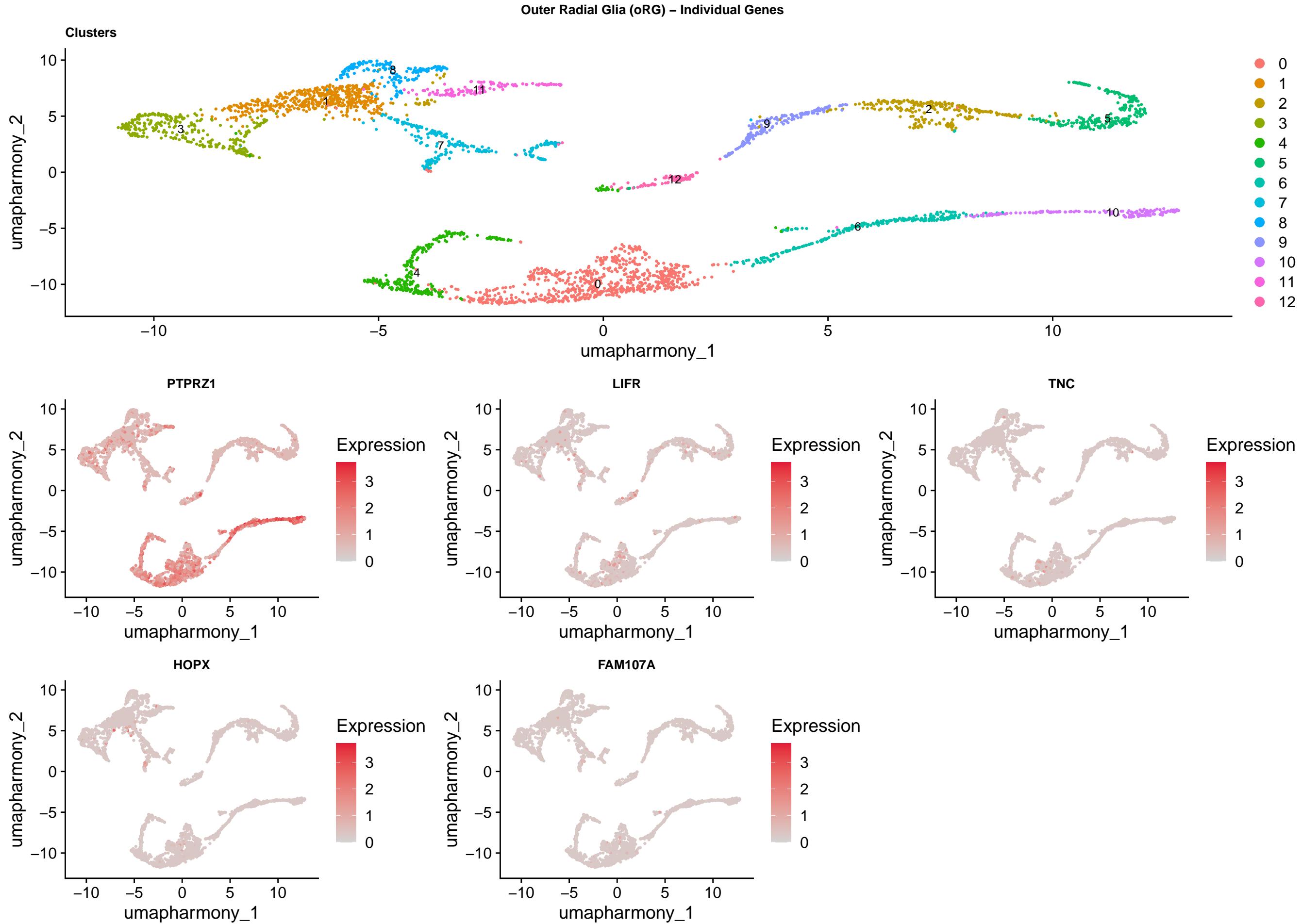
Marker Sets Tested: 14

Total Genes Tested: 83

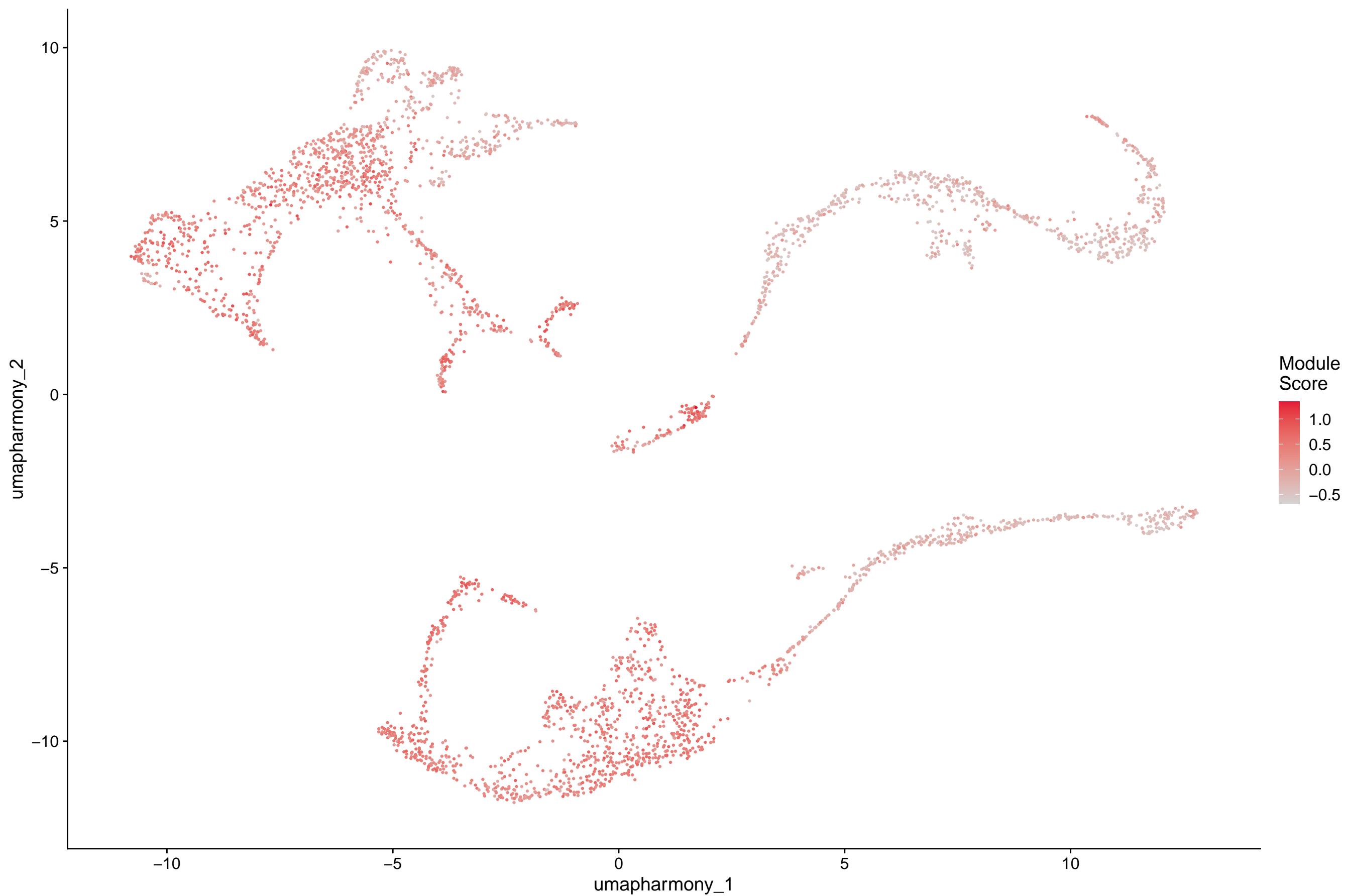
Genes Found: 76 (91.6%)

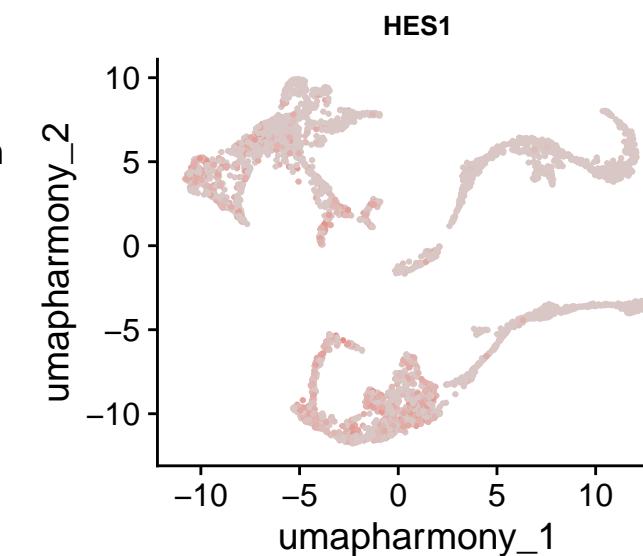
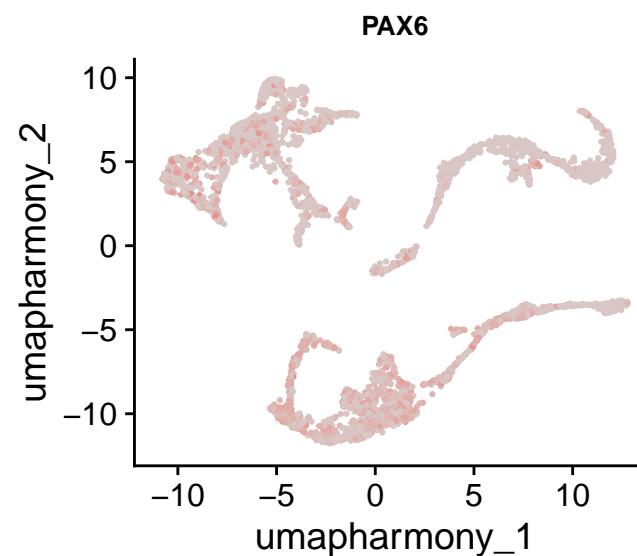
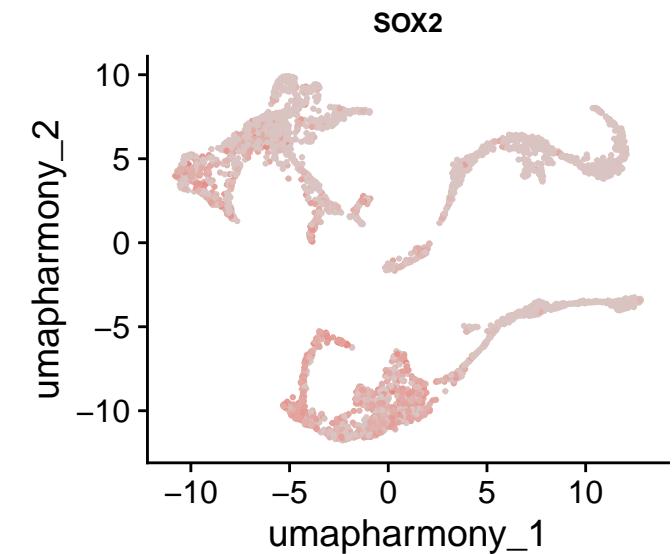
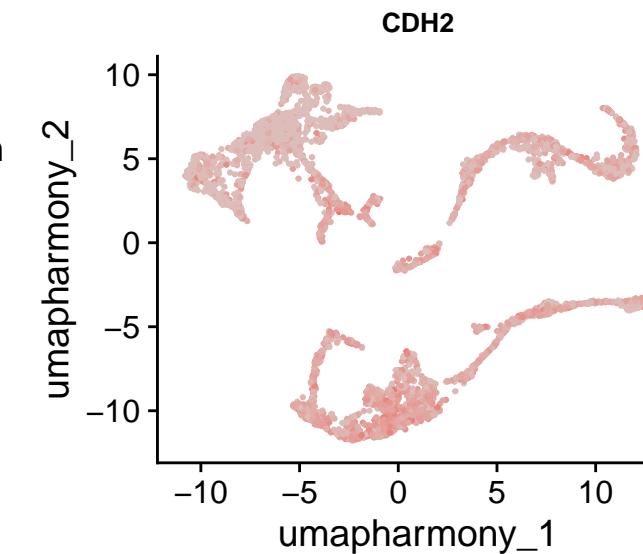
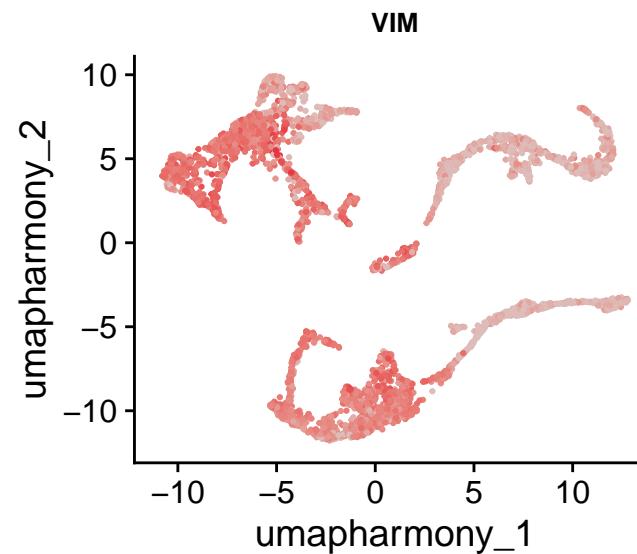
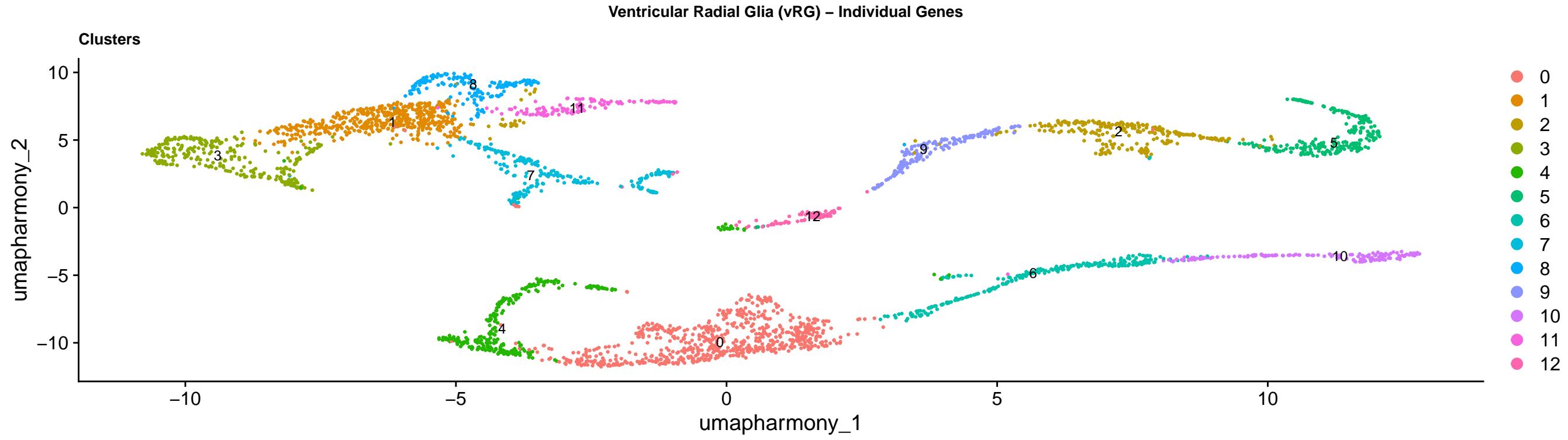
Genes Missing: 7

marker_set	gene_symbol
Microglia	OBIF
Microglia	SP1999
Oligodendrocytes	SPG2
Oligodendrocytes	MOG
Astrocytes	GLAST
Cajal–Retzius/Subplate	CR
Cajal–Retzius/Subplate	LHX6

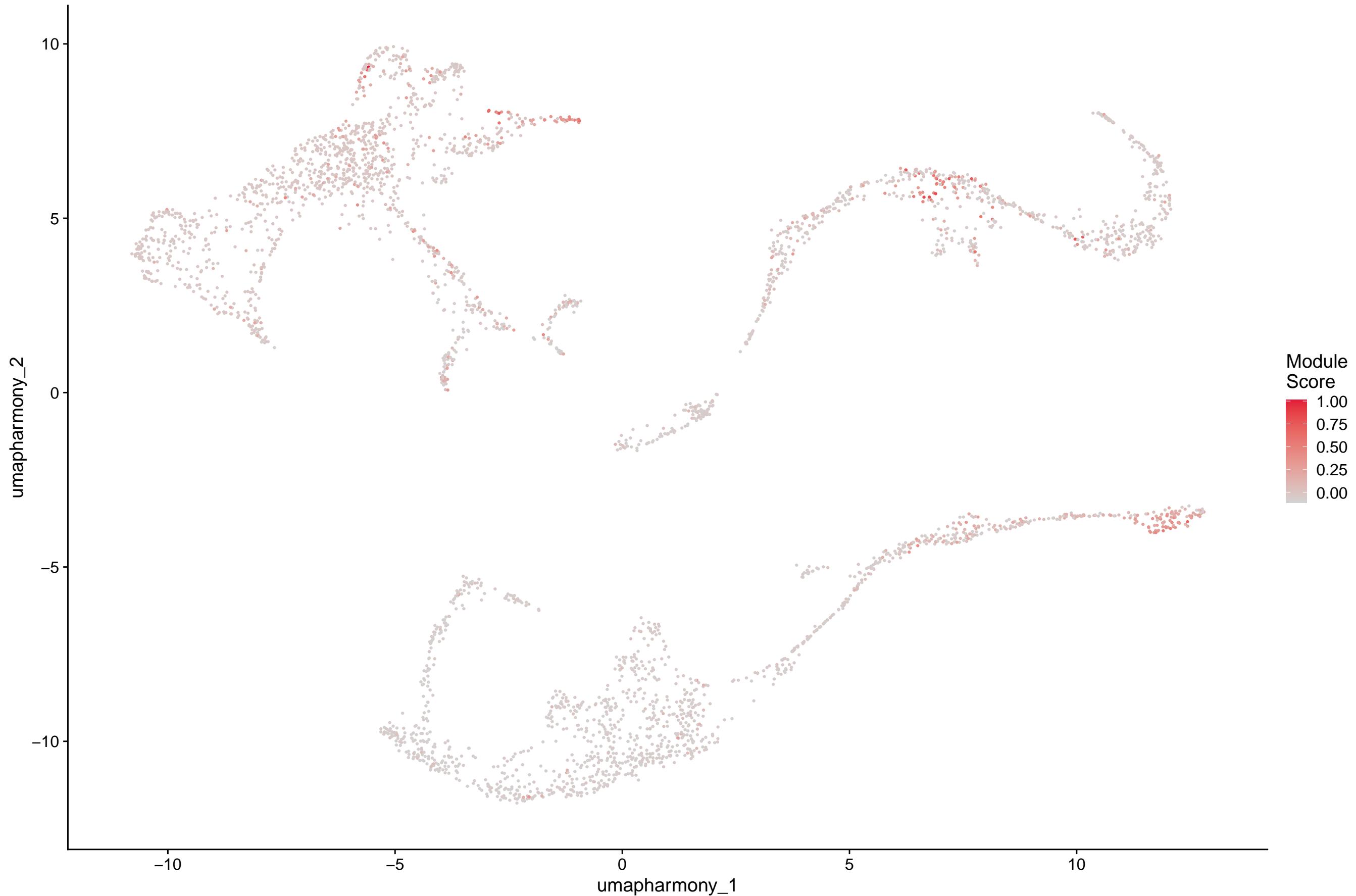


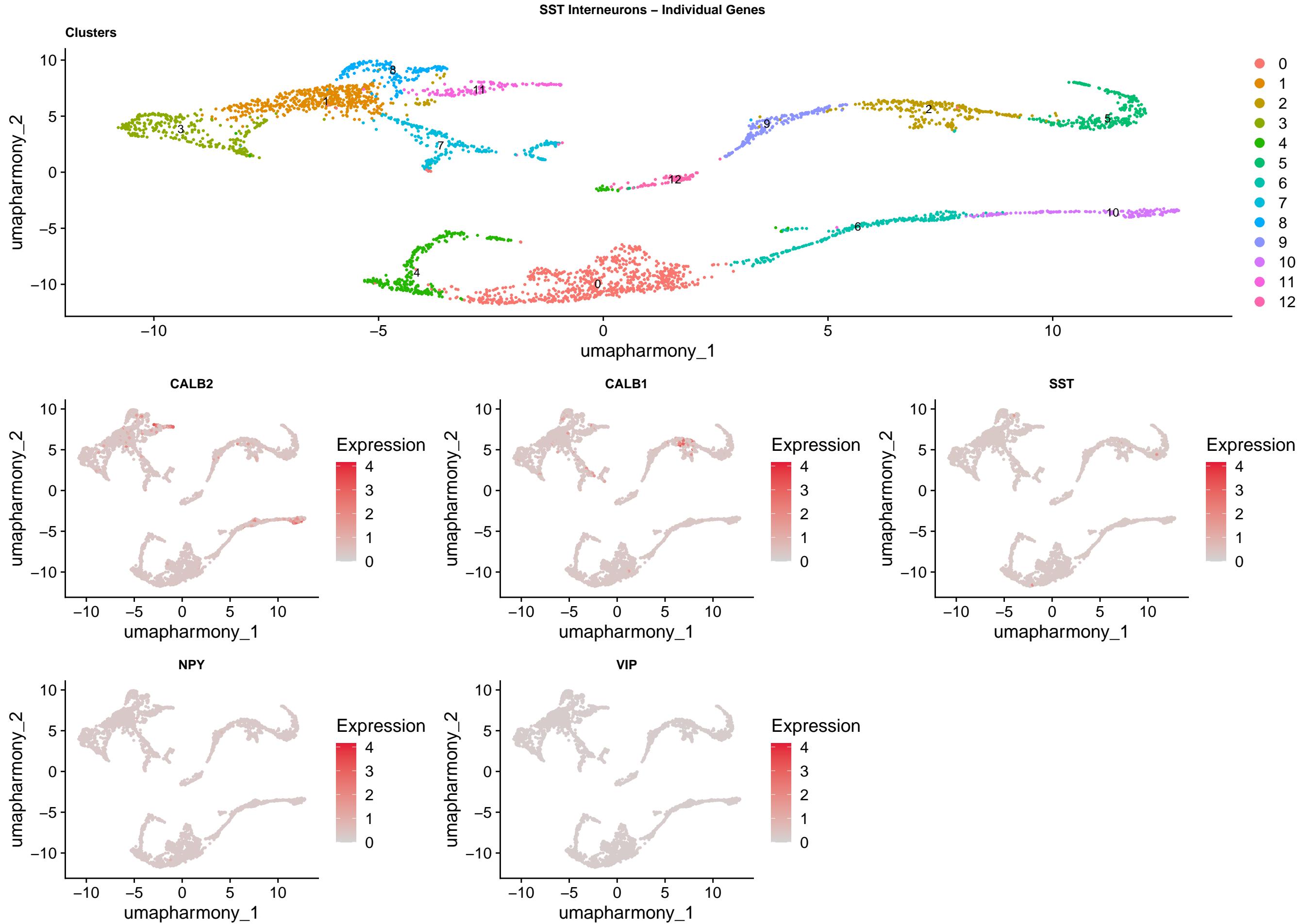
Ventricular Radial Glia (vRG)
Genes: VIM, NES, PAX6, HES1, SLC1A3, CDH2, SOX2
Ventricular Radial Glia (vRG) – Module Score



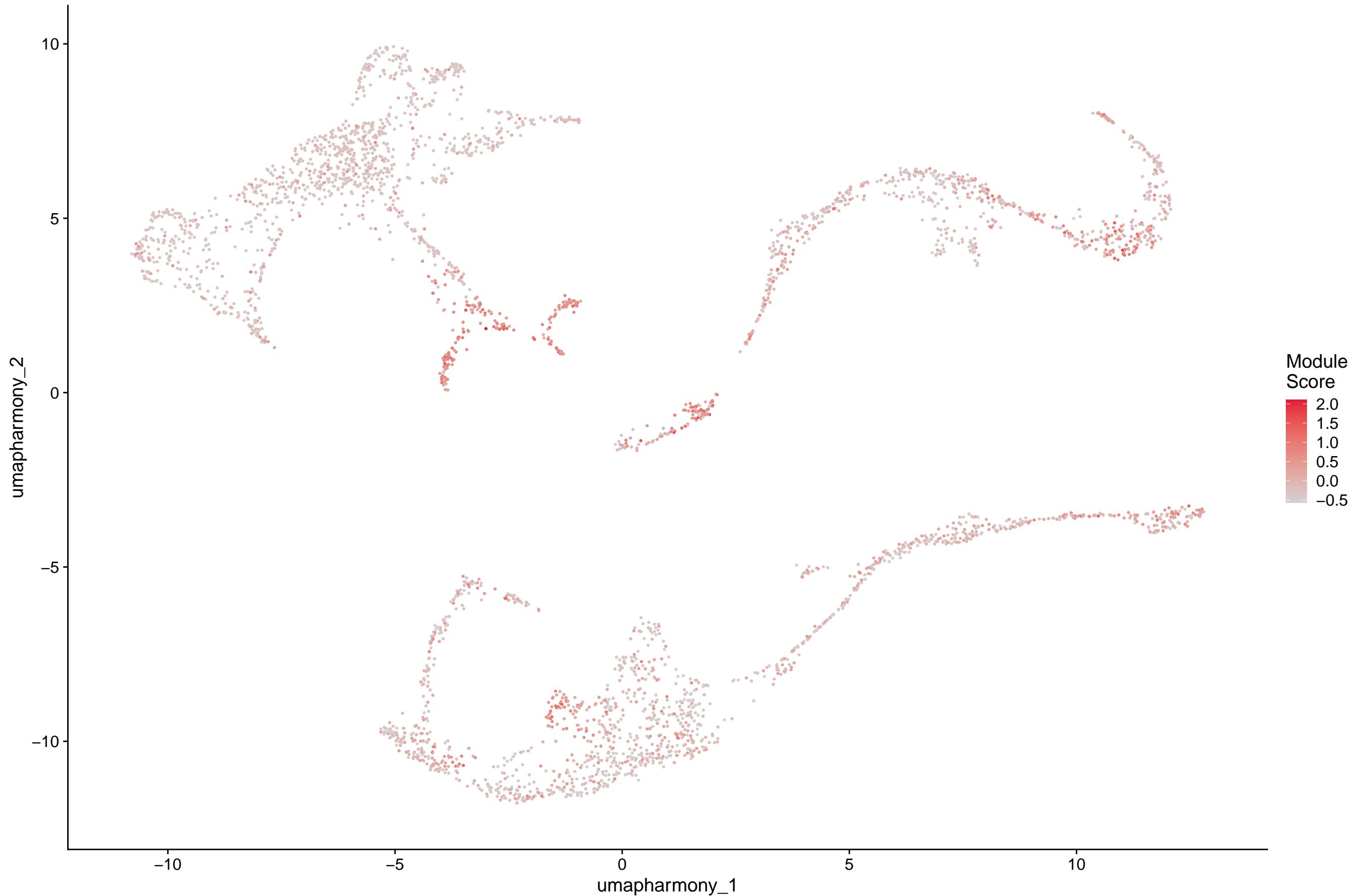


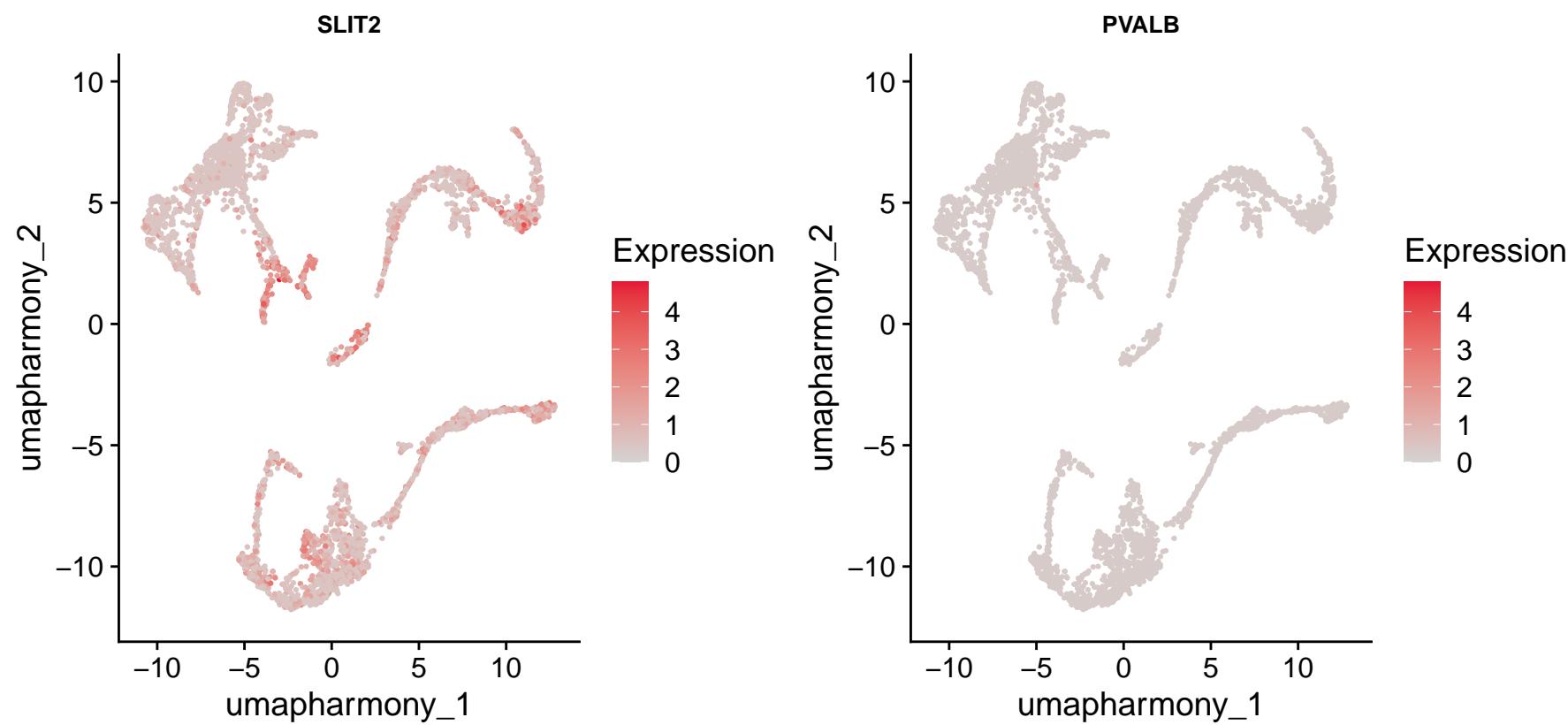
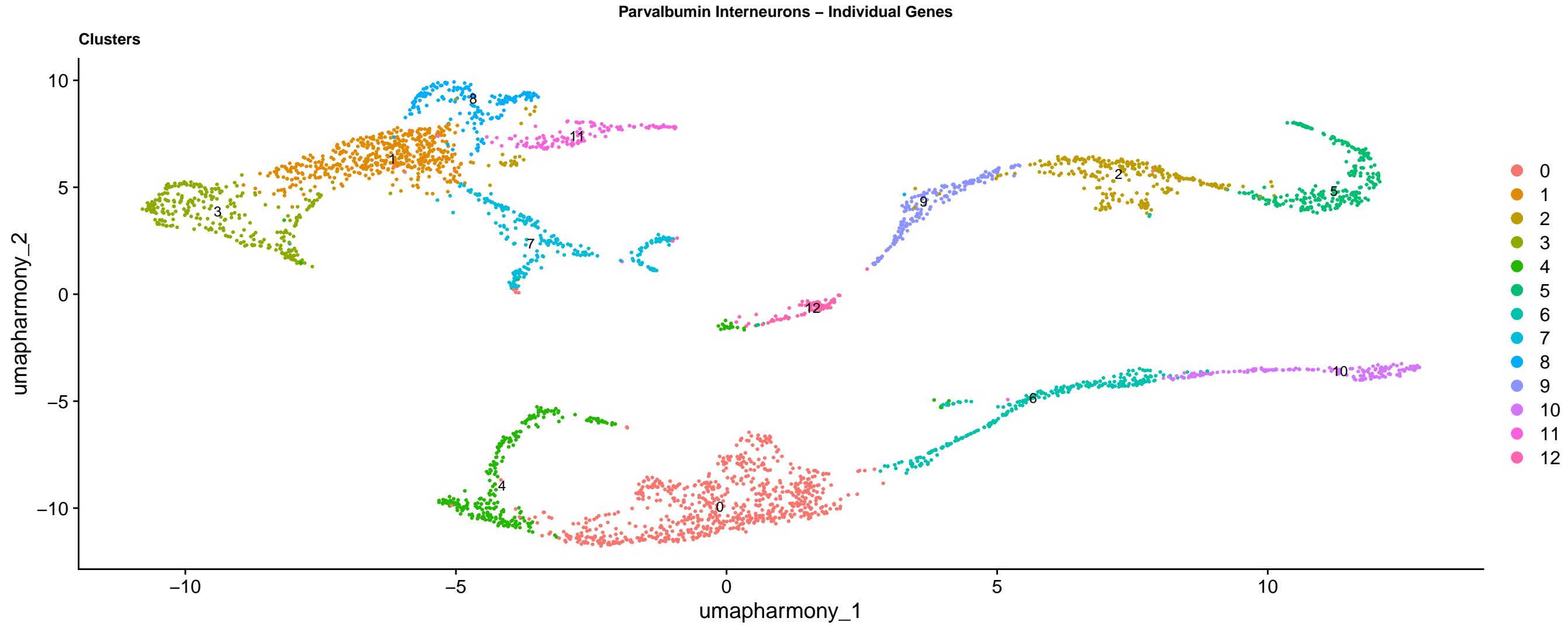
SST Interneurons
Genes: SST, VIP, CALB2, CALB1, NPY
SST Interneurons – Module Score



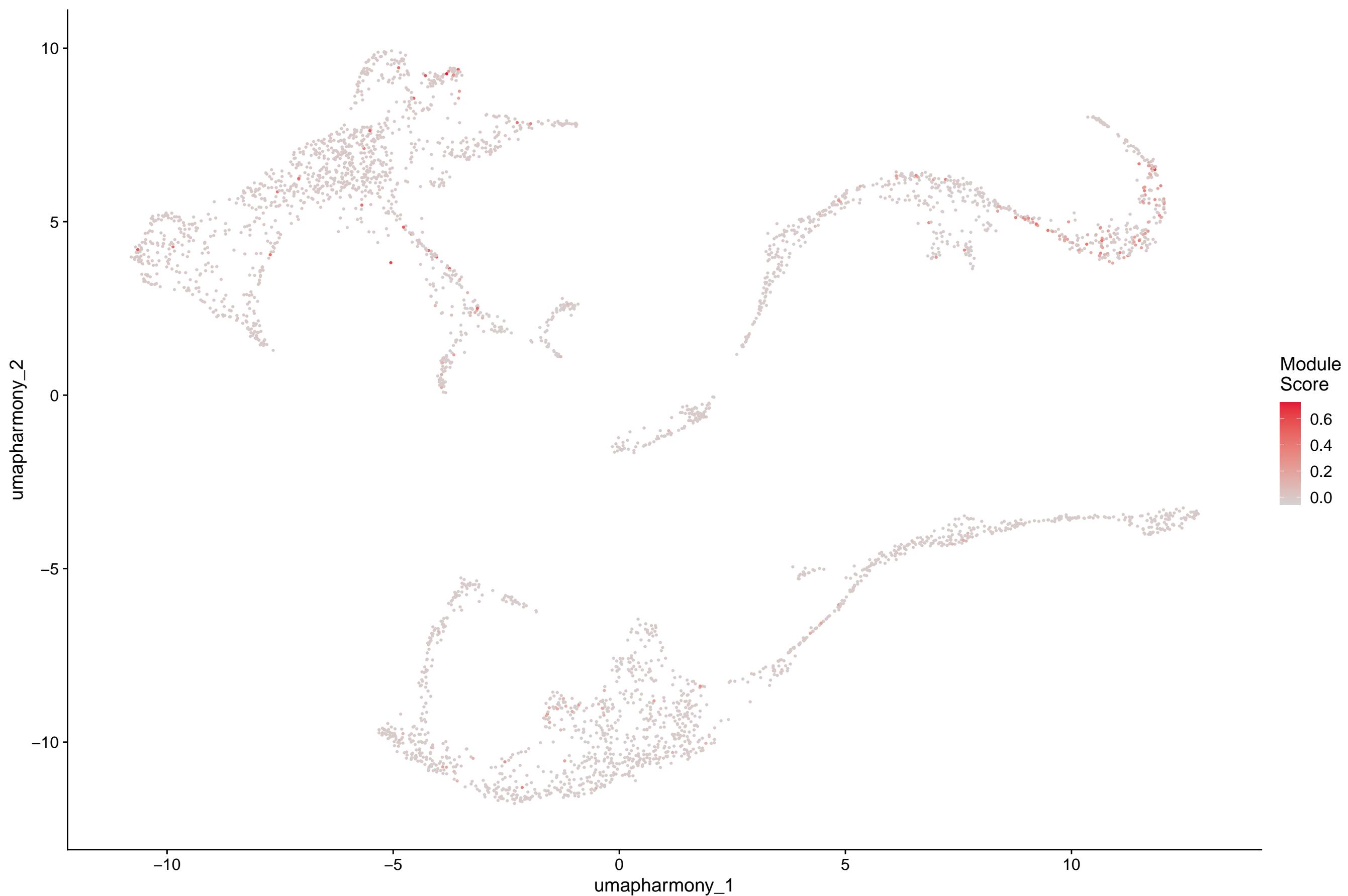


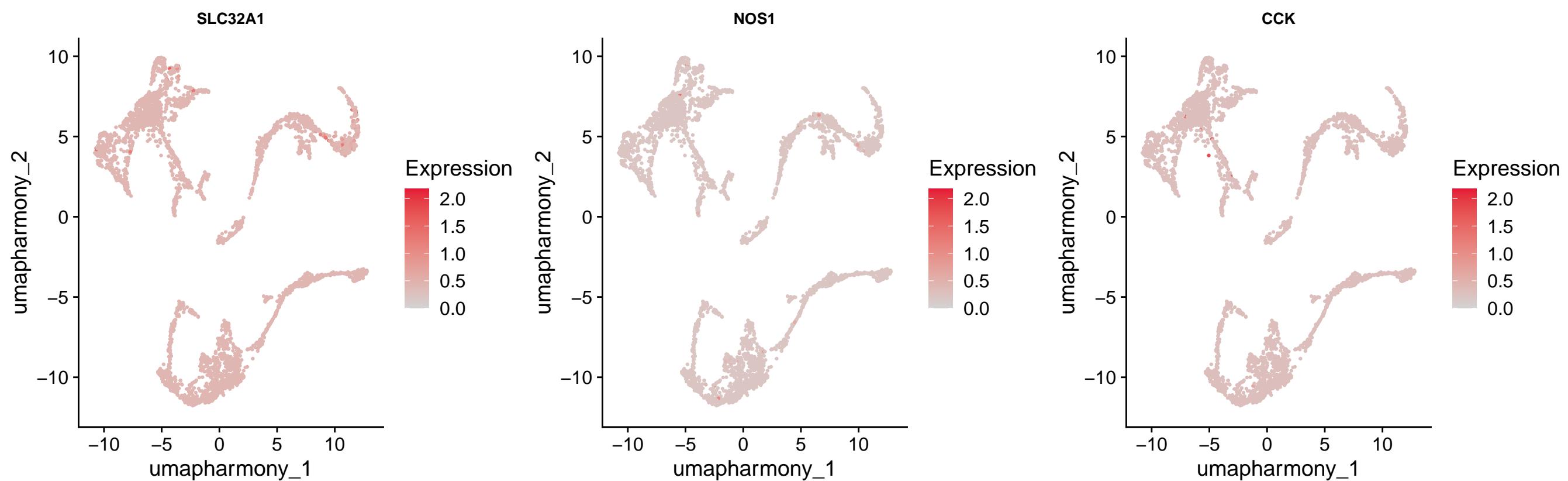
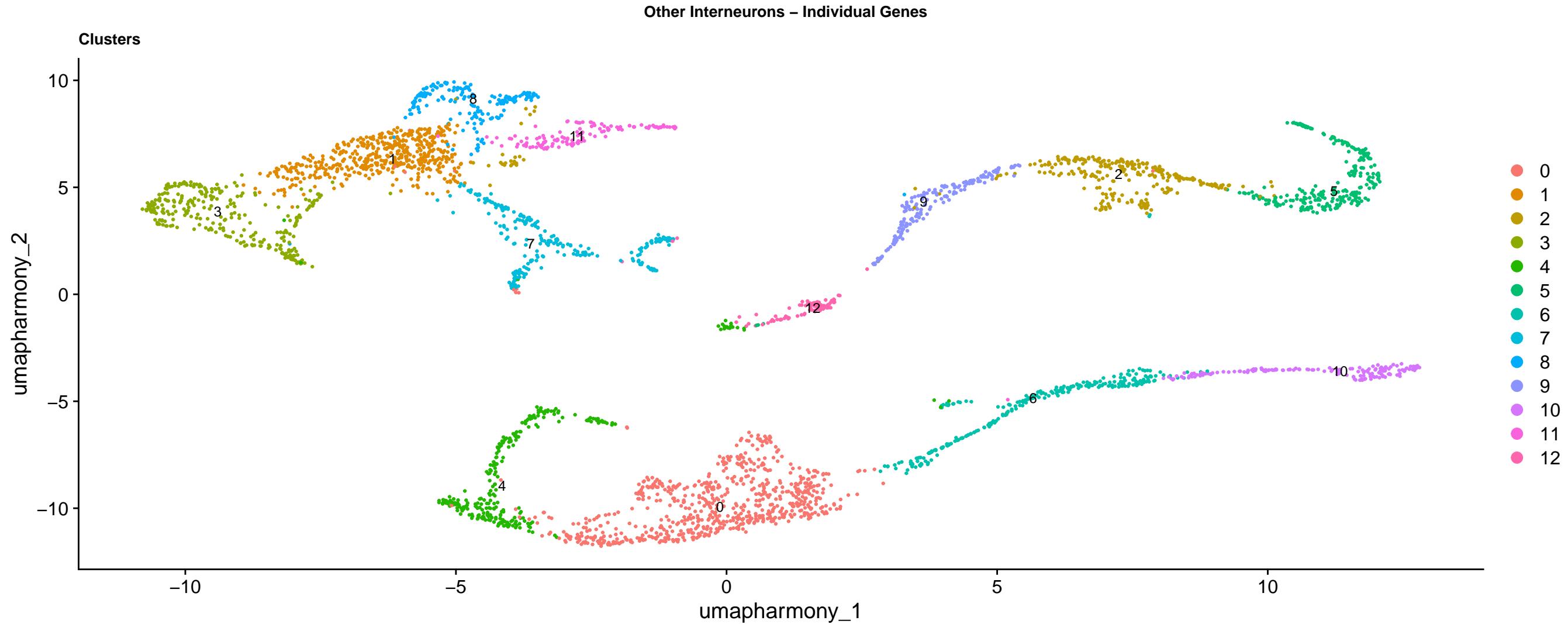
Parvalbumin Interneurons
Genes: PVALB, SLIT2
Parvalbumin Interneurons – Module Score





Other Interneurons
Genes: NOS1, CCK, SLC32A1
Other Interneurons – Module Score

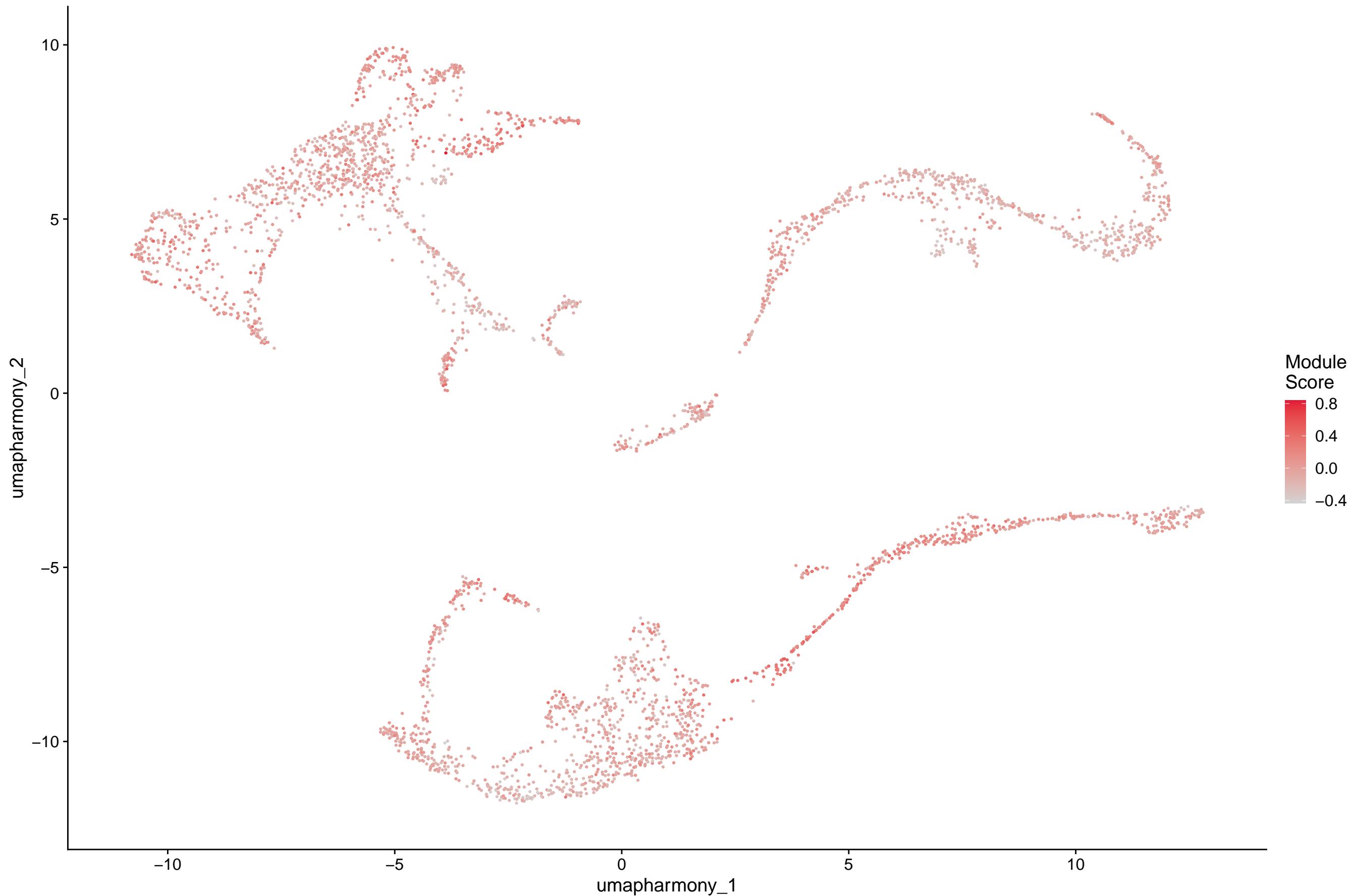


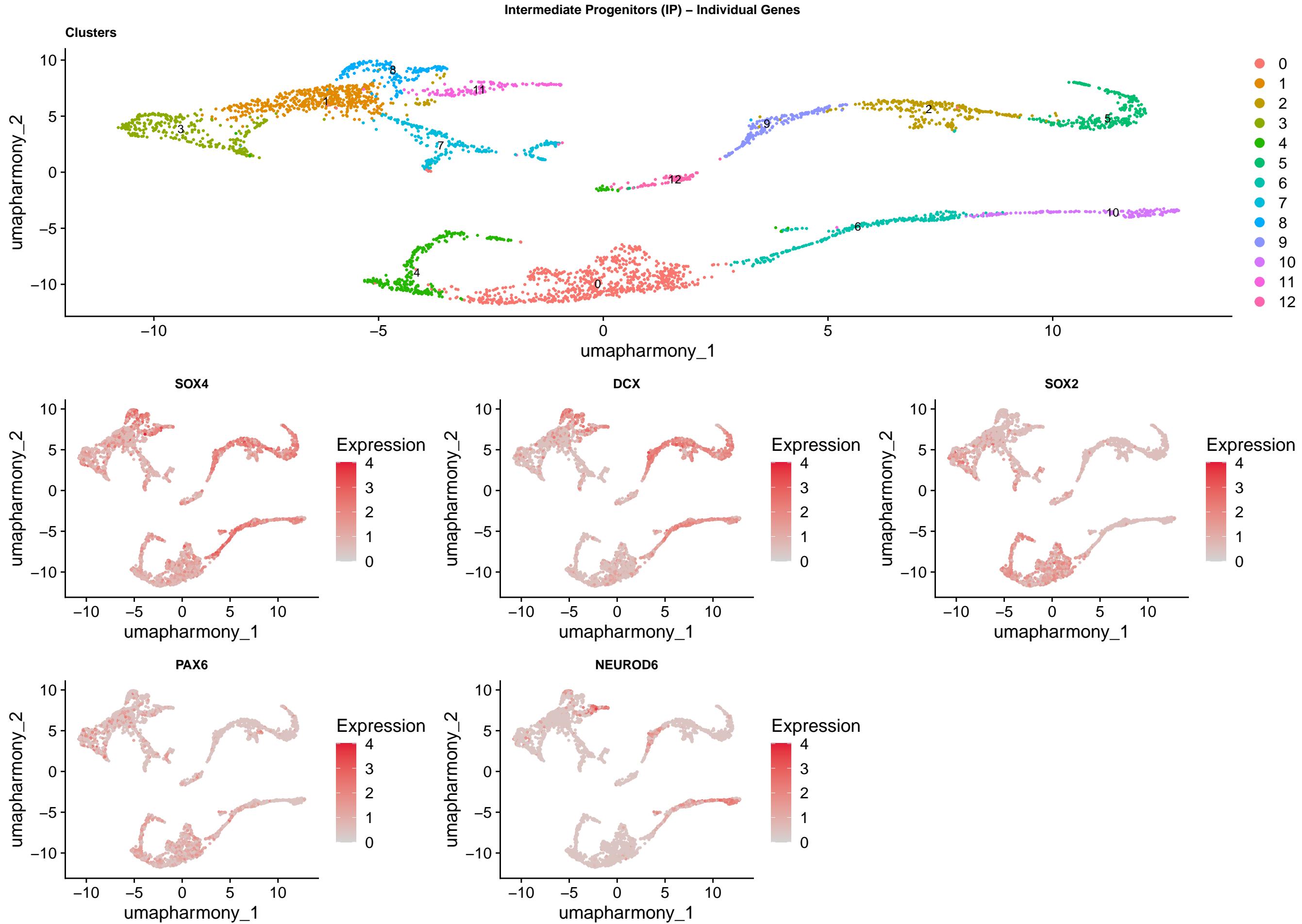


Intermediate Progenitors (IP)

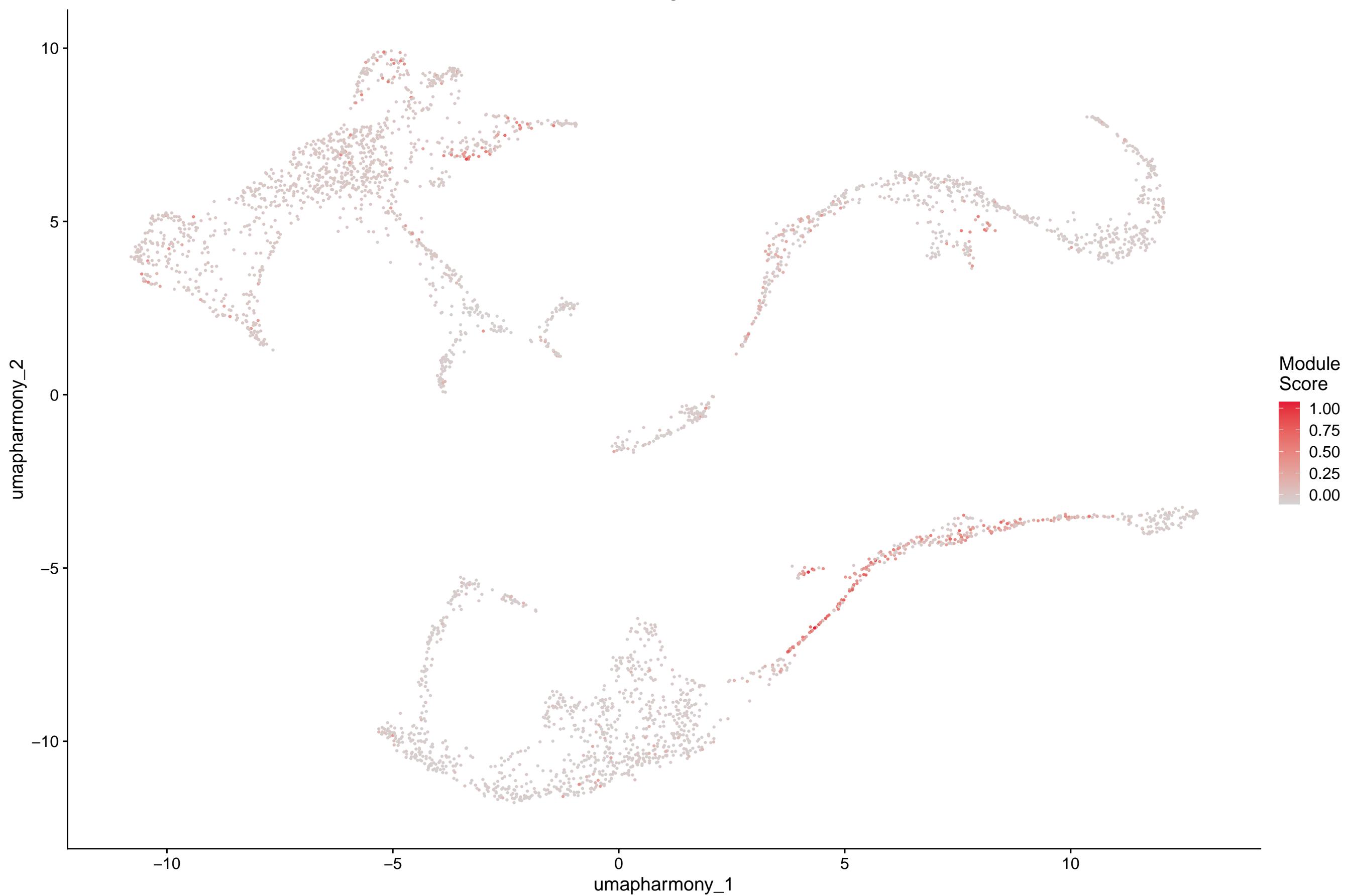
Genes: NEUROD6, PPP1R17, SOX4, EOMES, NEUROG2, ASCL1, DLL1, DCX, NES, PAX6, SOX2, SOX9, HES1

Intermediate Progenitors (IP) – Module Score

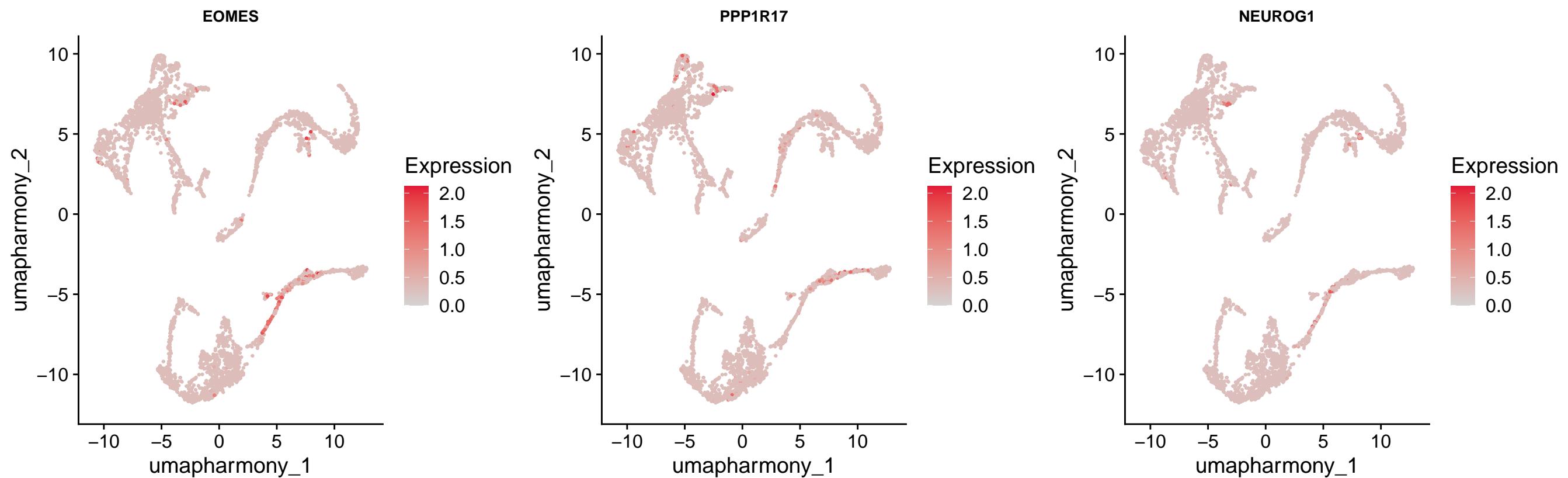
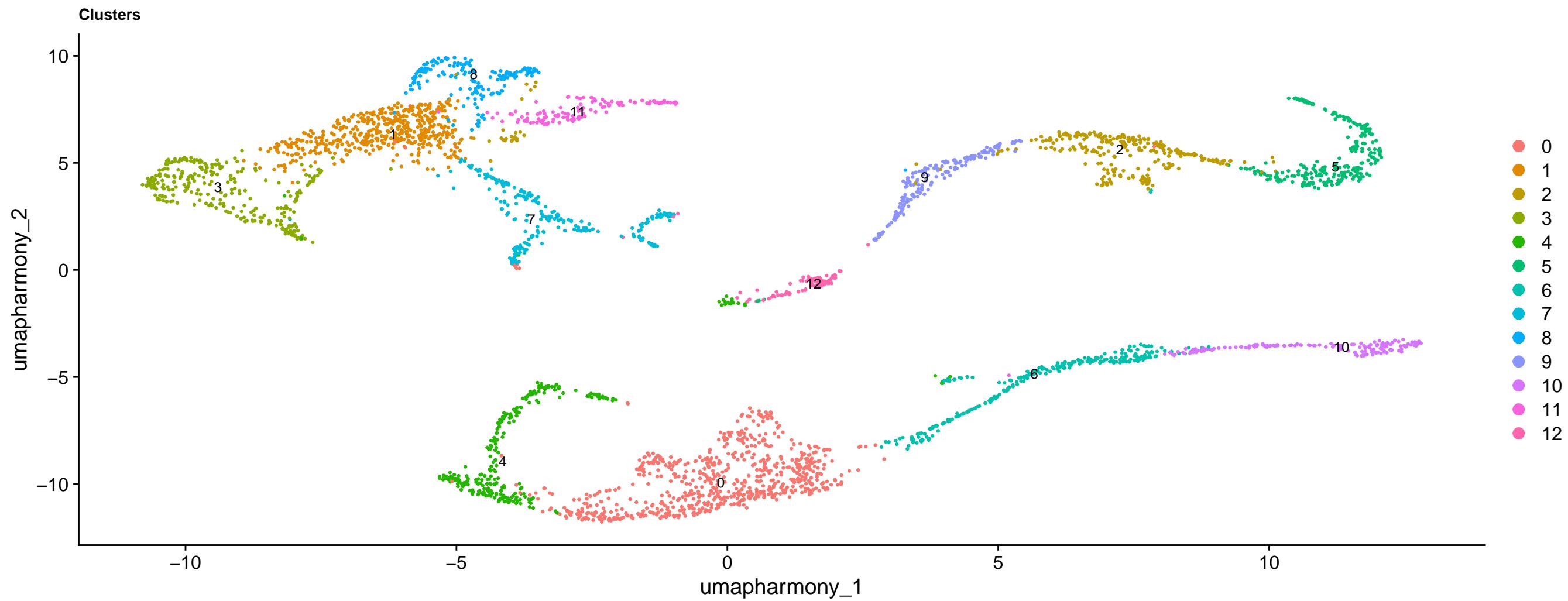




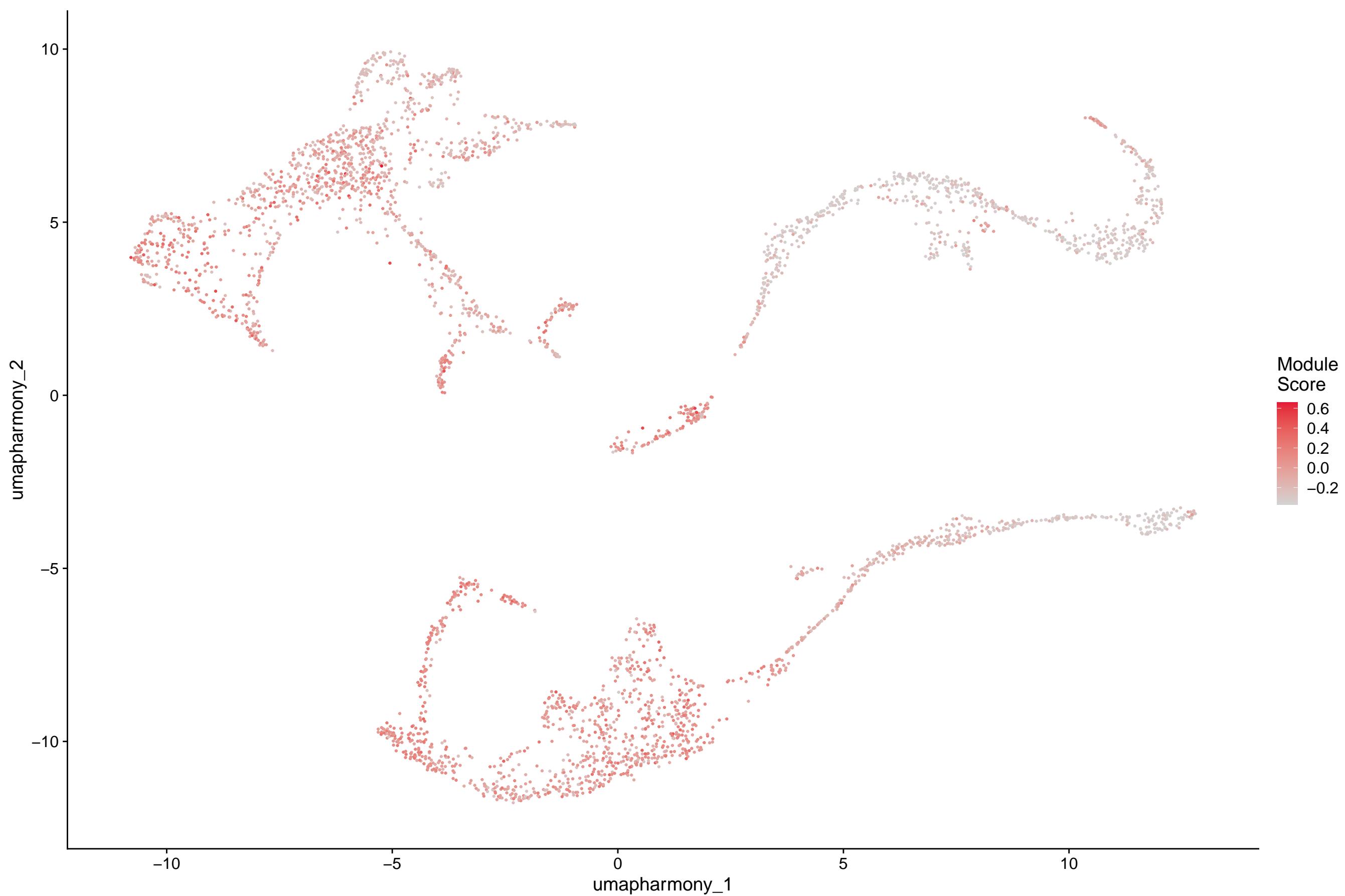
Neuronal Intermediate Progenitors
Genes: EOMES, PPP1R17, NEUROG1
Neuronal Intermediate Progenitors – Module Score

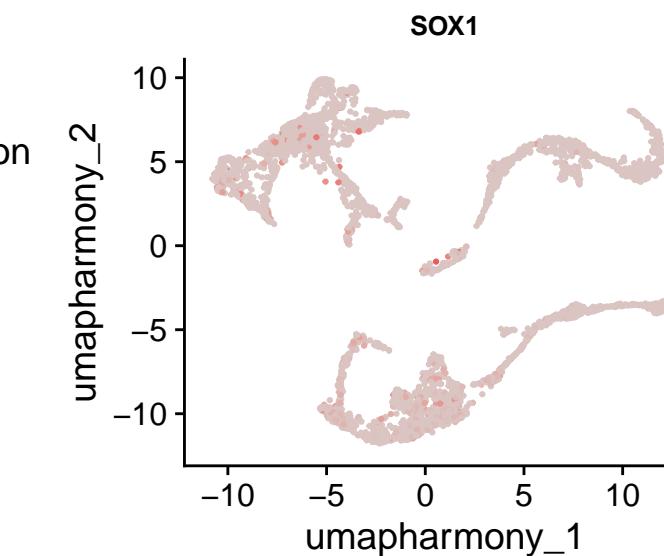
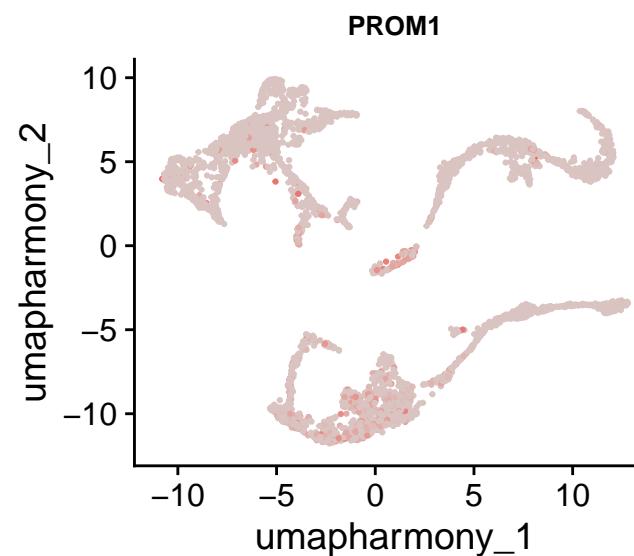
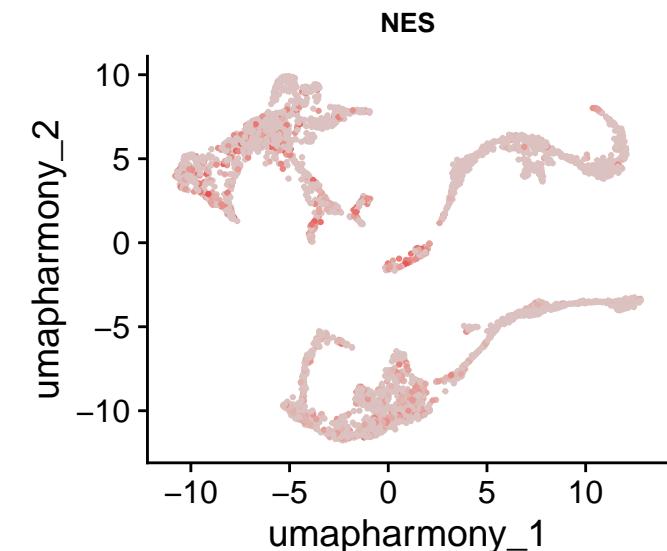
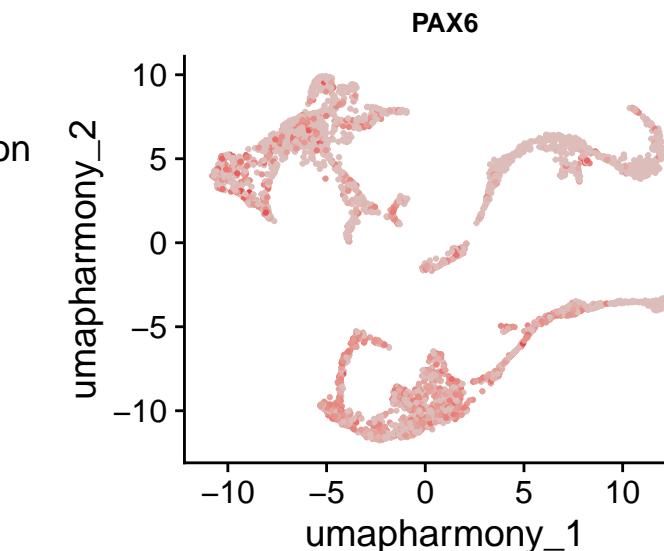
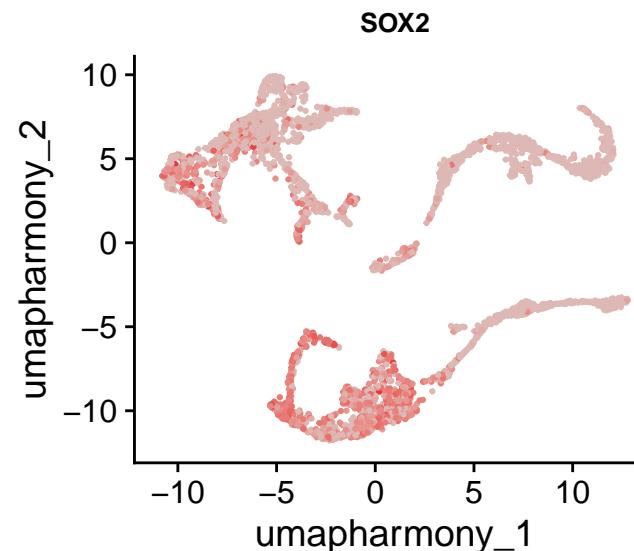
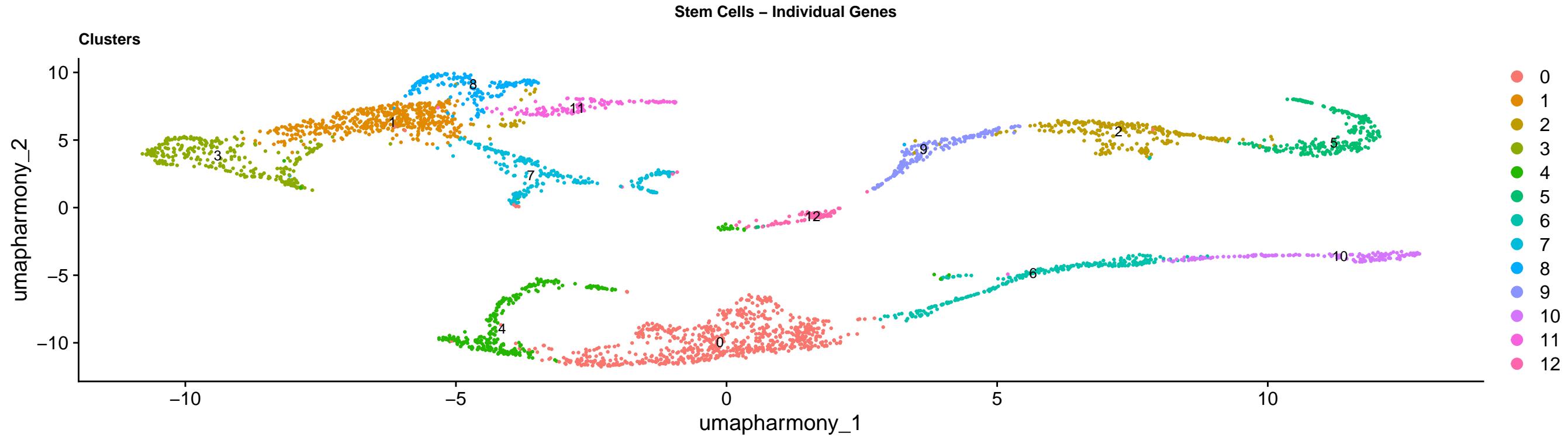


Neuronal Intermediate Progenitors – Individual Genes

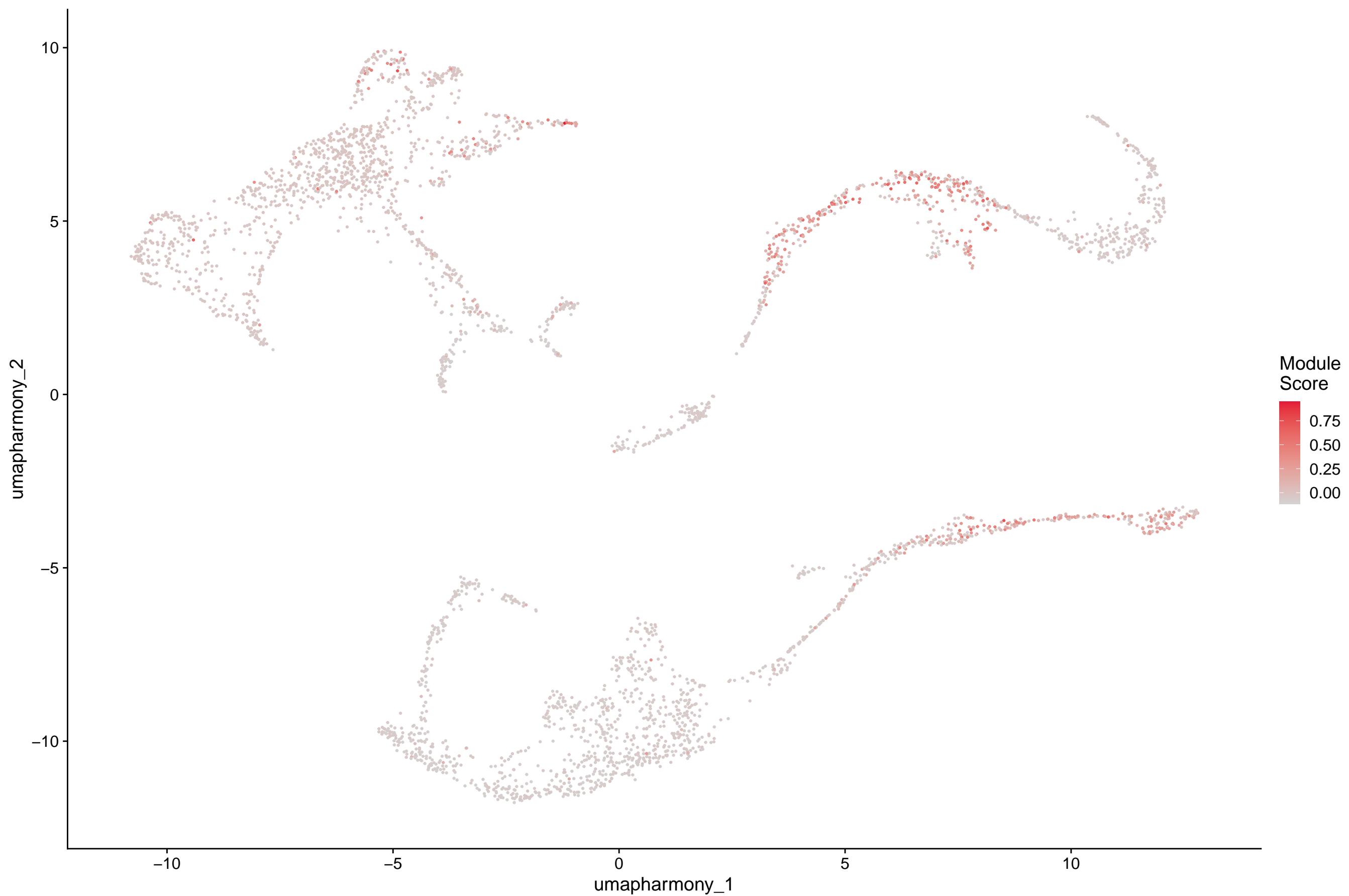


Stem Cells
Genes: SOX2, NES, MYC, PROM1, POU5F1, OLIG2, PAX6, SOX1
Stem Cells – Module Score

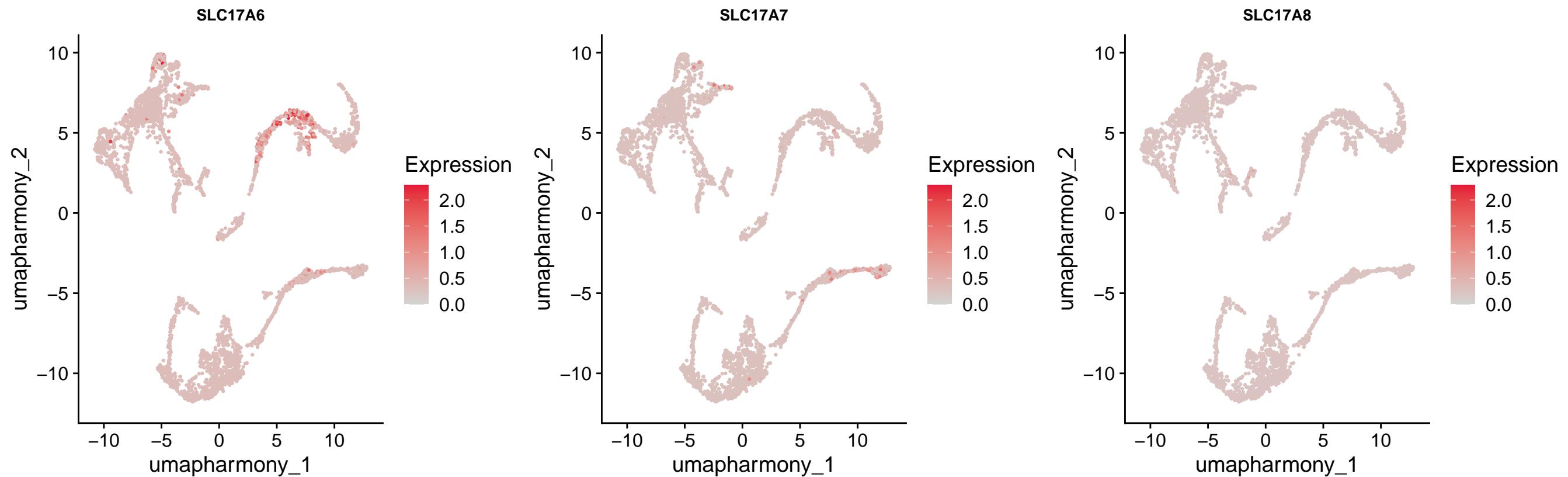
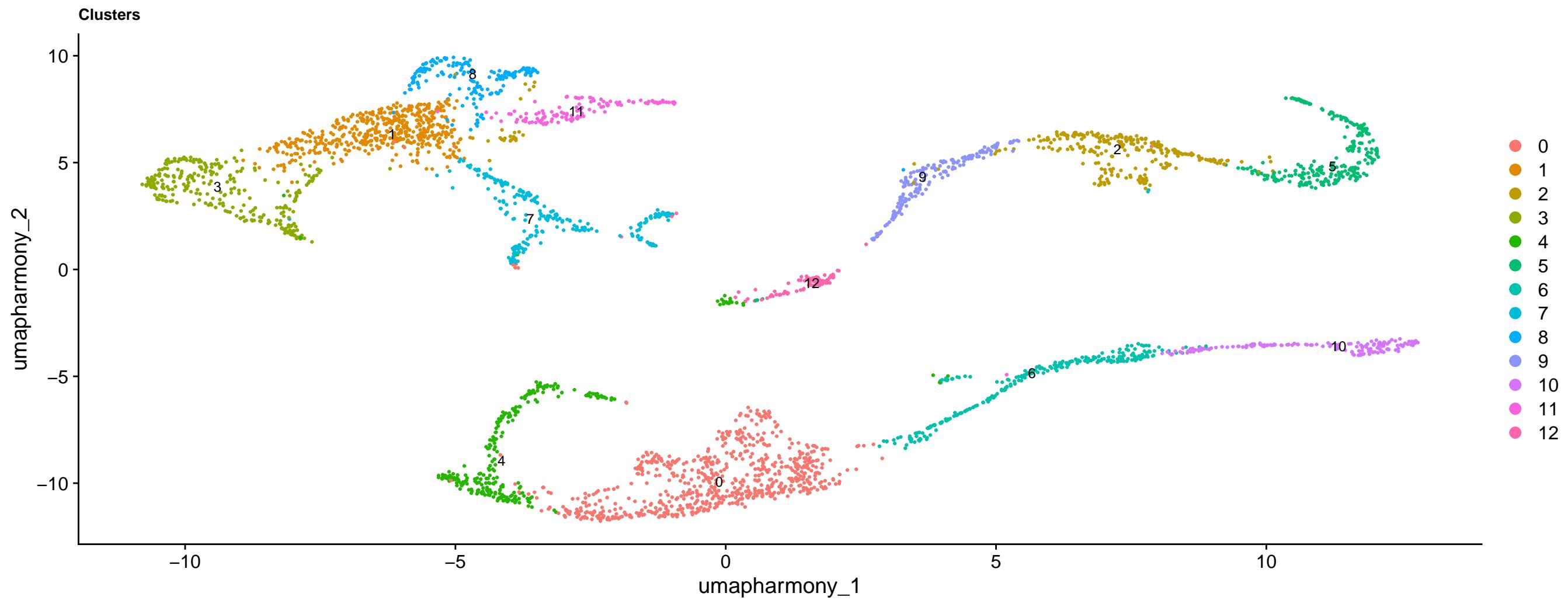




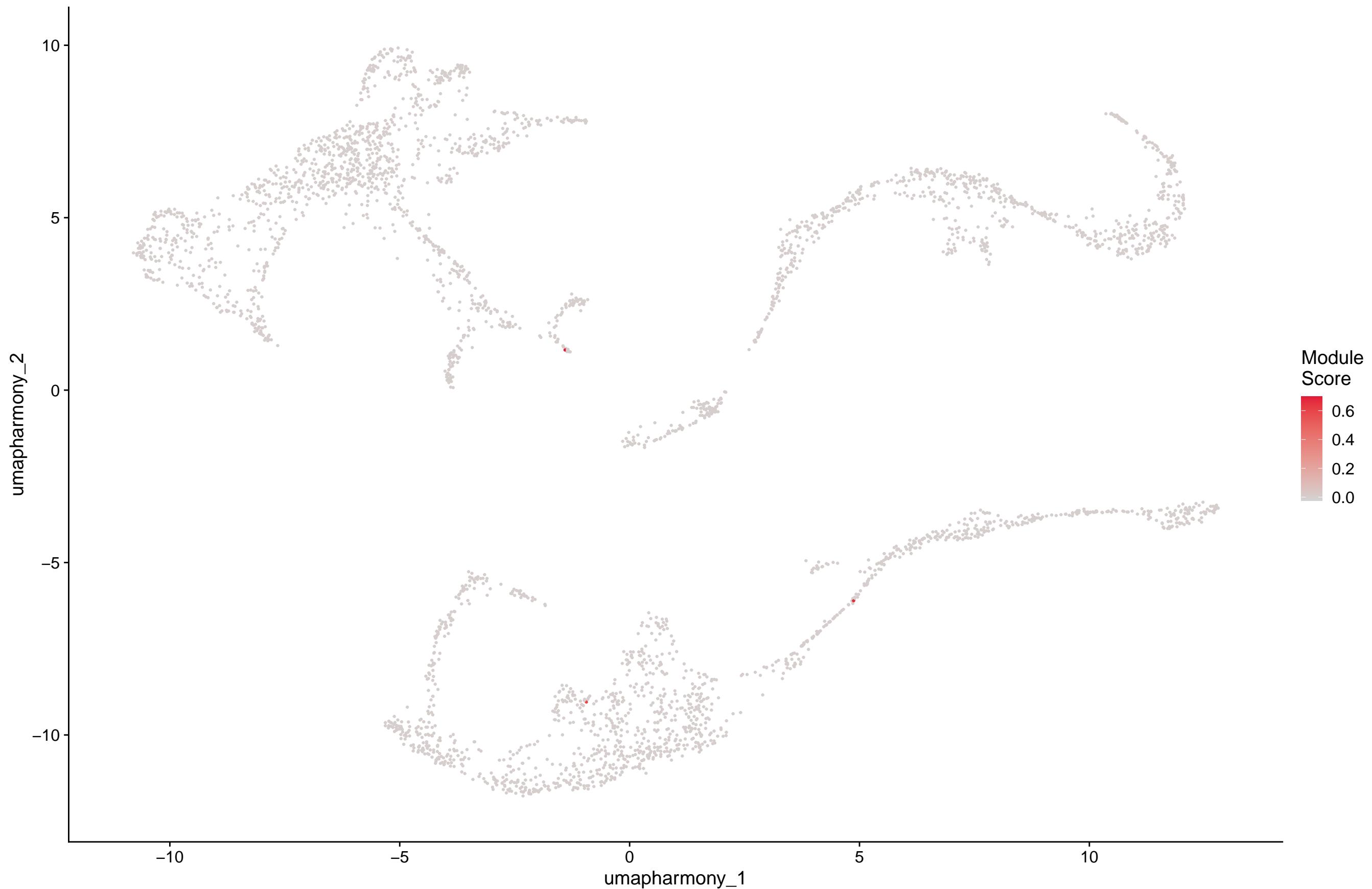
Glutamatergic Neurons
Genes: SLC17A6, SLC17A7, SLC17A8
Glutamatergic Neurons – Module Score



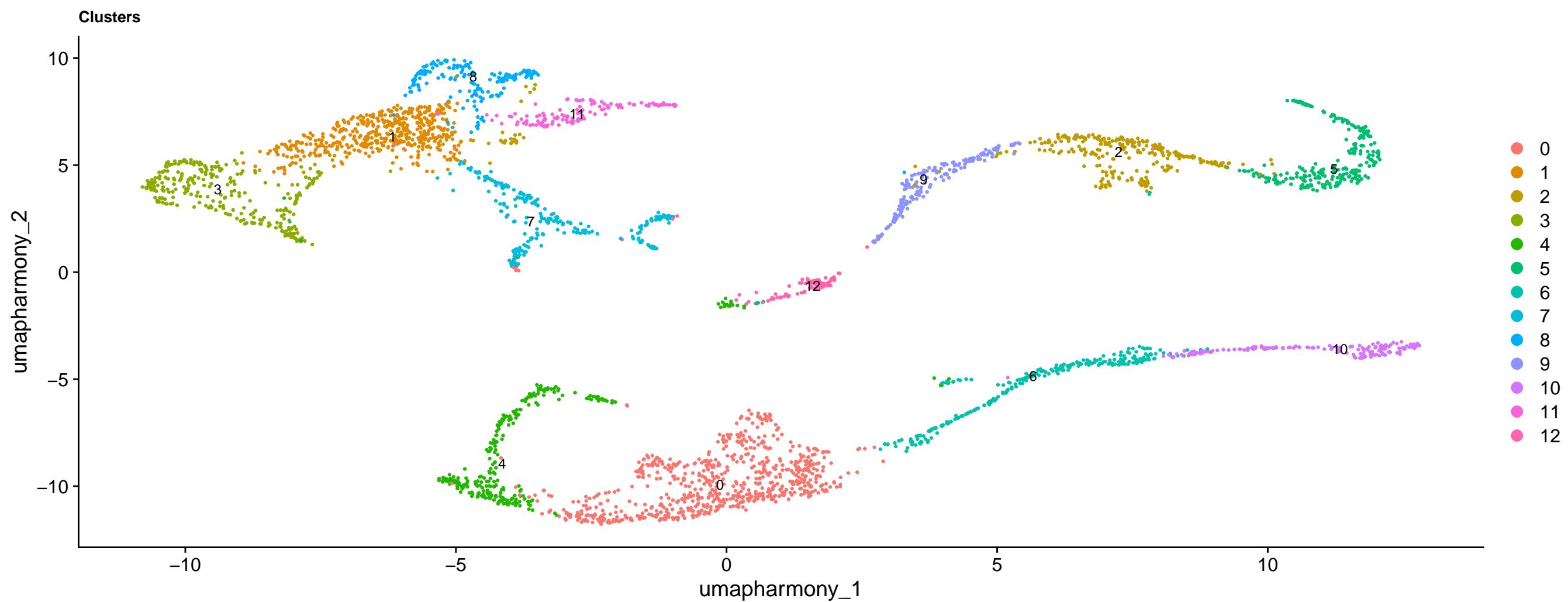
Glutamatergic Neurons – Individual Genes



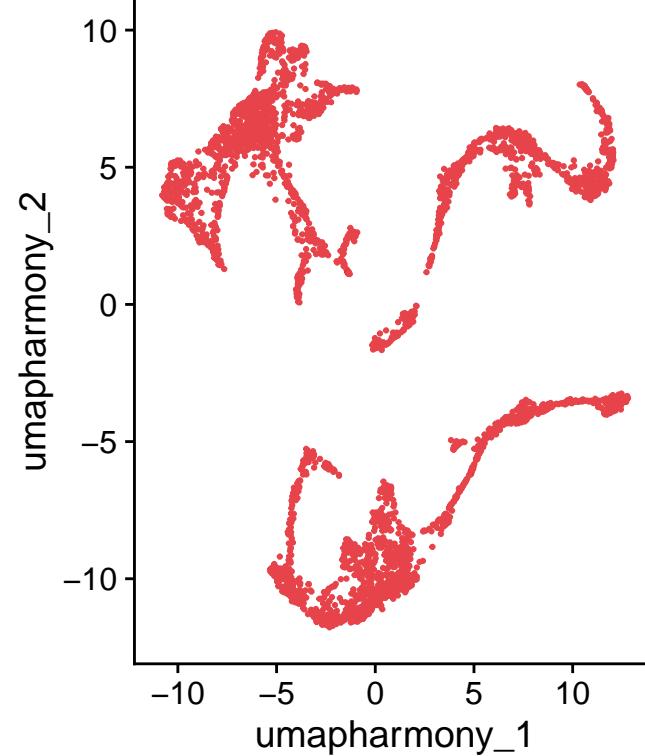
Microglia
Genes: CX3CR1, OBIF, SP1999
[Missing: OBIF, SP1999]
Microglia – Module Score



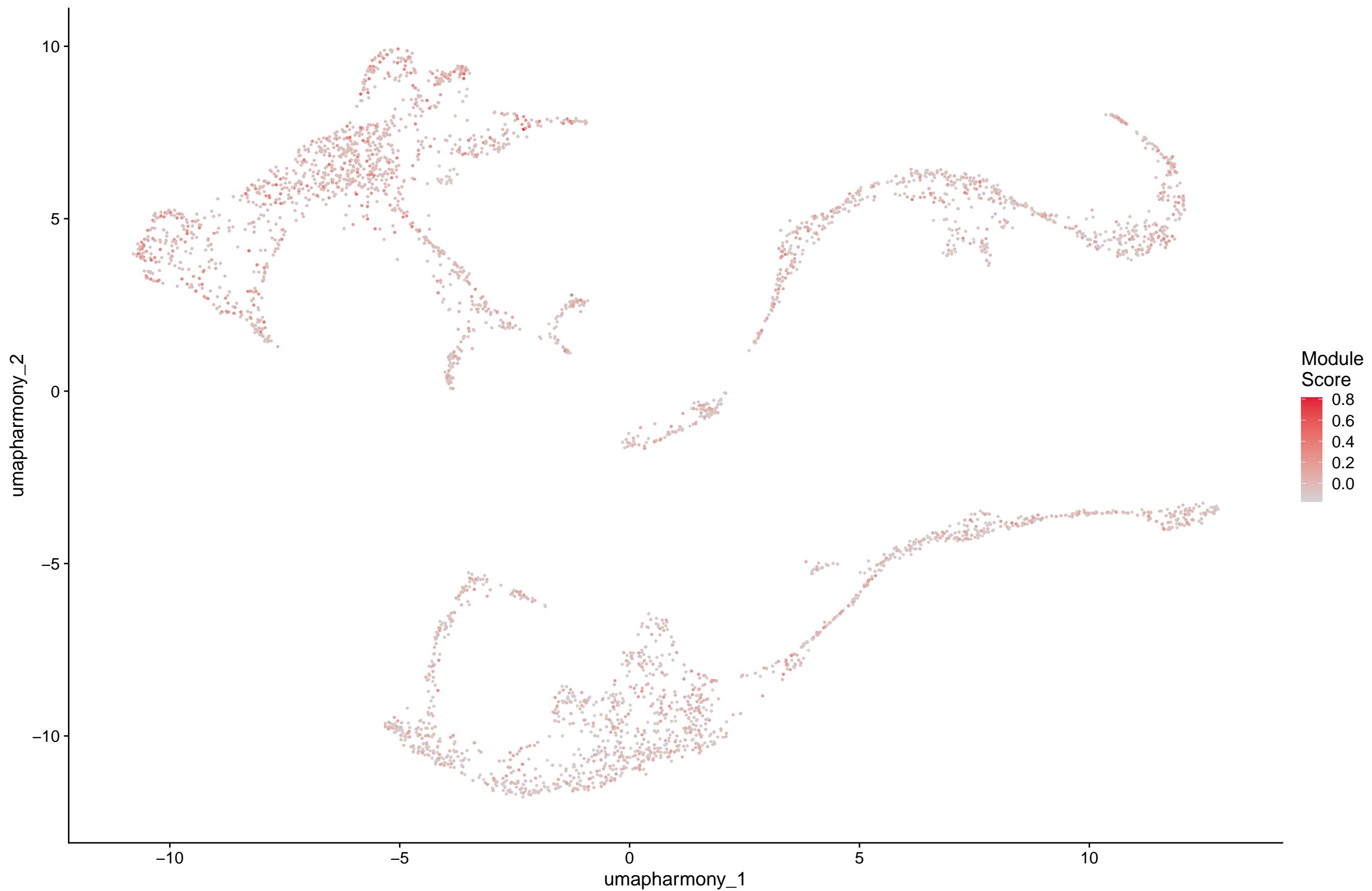
Microglia – Individual Genes



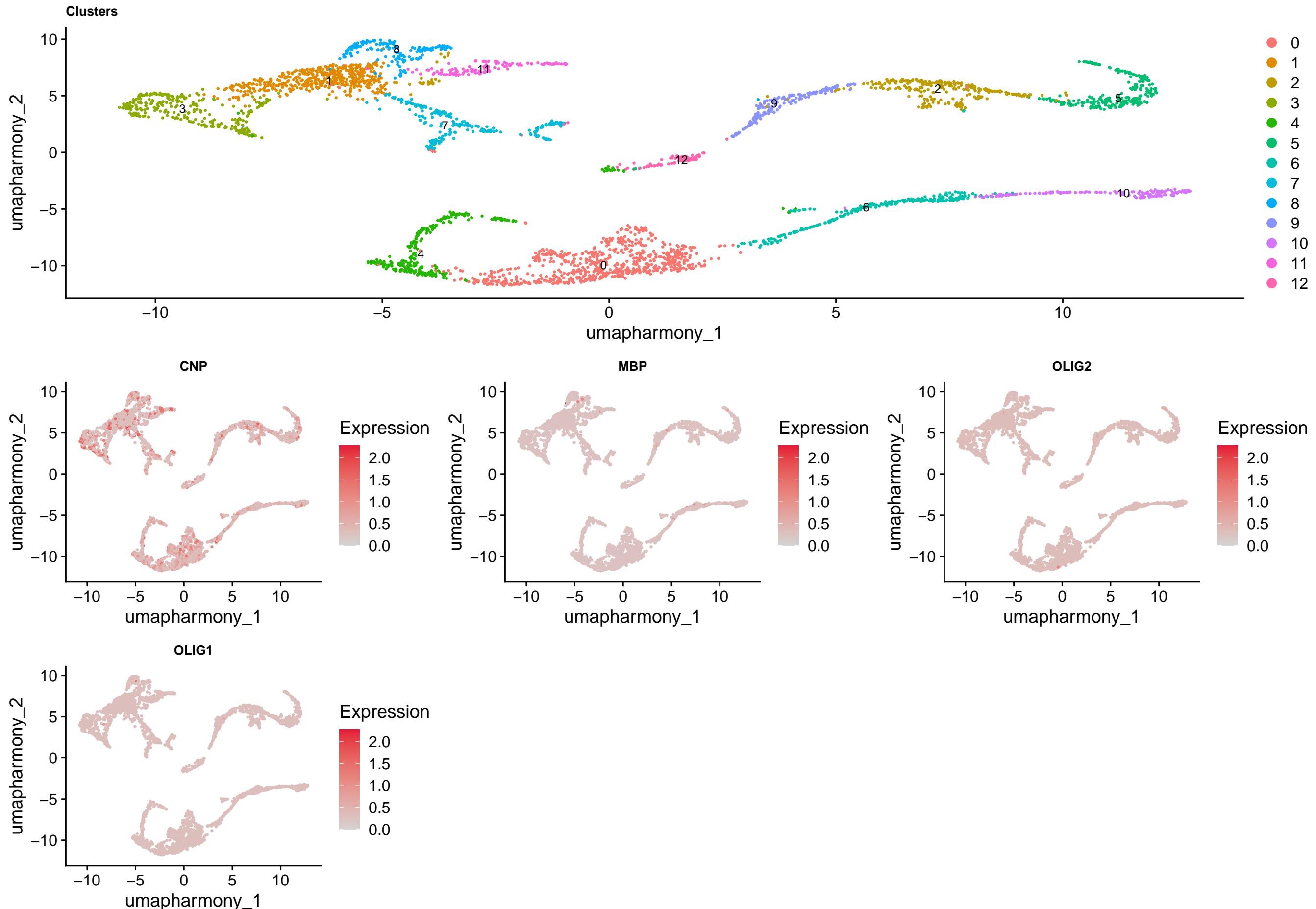
CX3CR1



Oligodendrocytes
Genes: OLIG2, OLIG1, MBP, SPG2, CNP, MOG
[Missing: SPG2, MOG]
Oligodendrocytes – Module Score



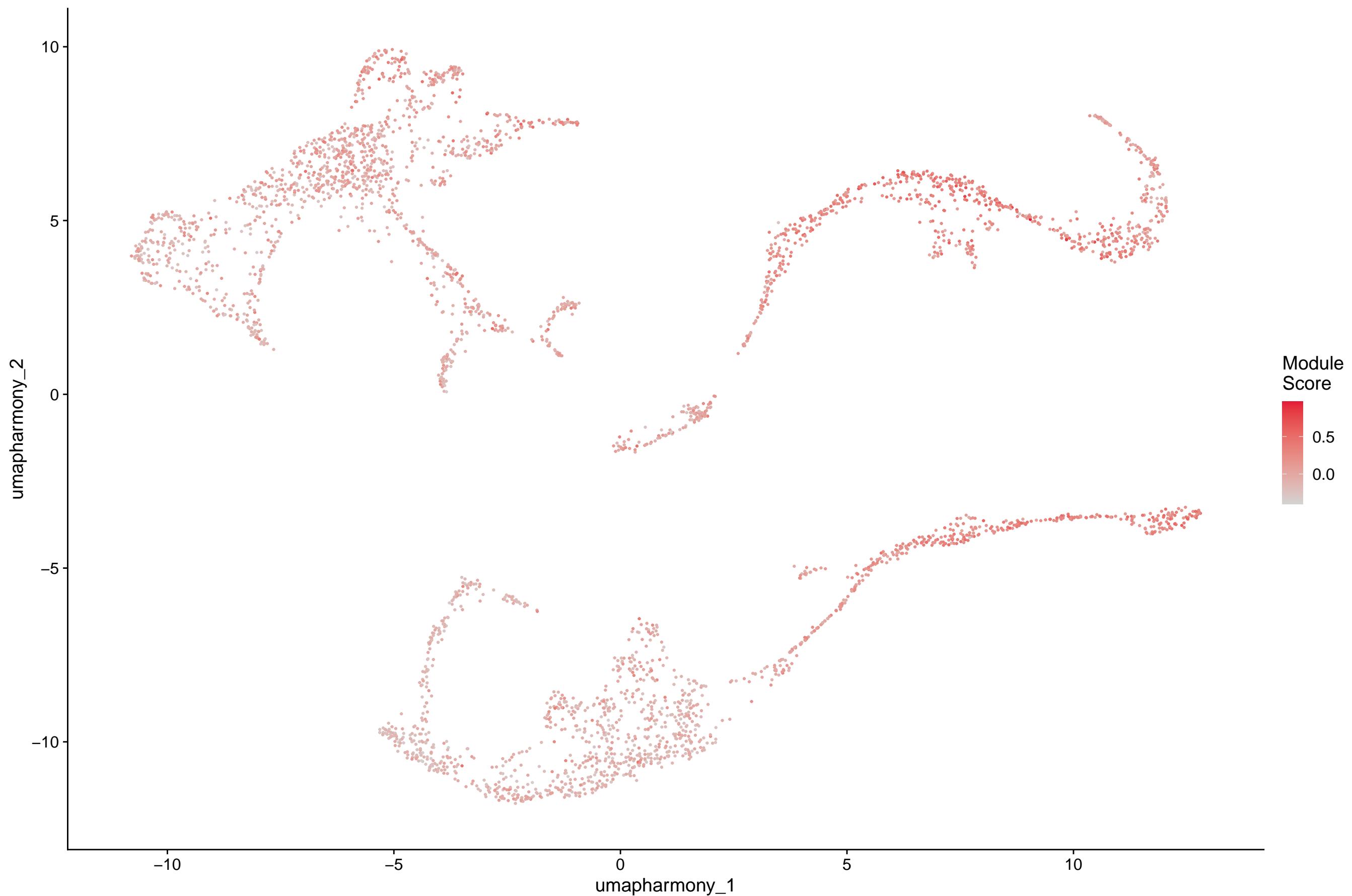
Oligodendrocytes – Individual Genes



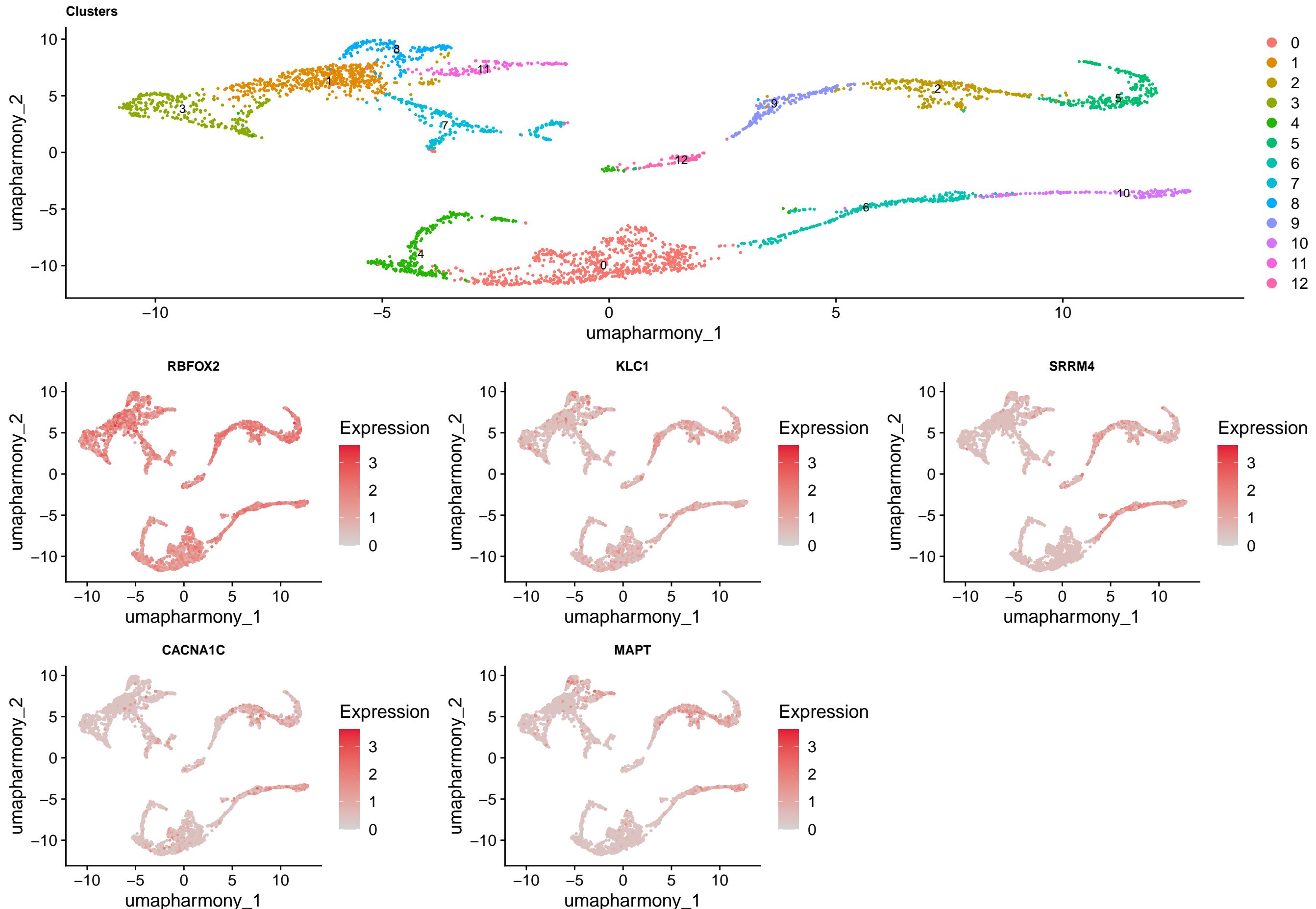
Pan–Neuronal Markers

Genes: MAPT, GABBR2, KLC1, CACNA1C, DOC2A, RBFOX1, RBFOX2, CLCN3, REST, SRRM4

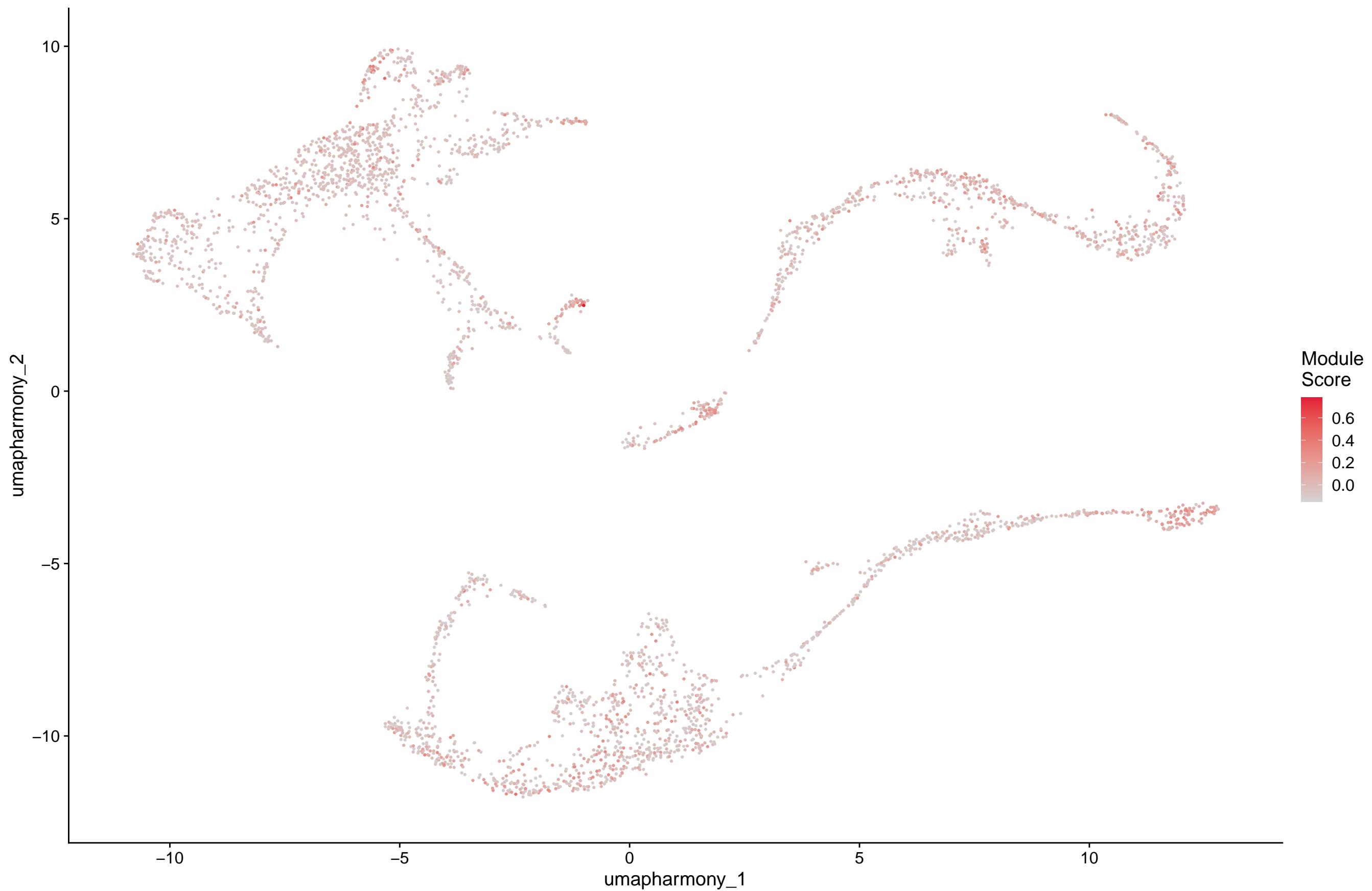
Pan–Neuronal Markers – Module Score

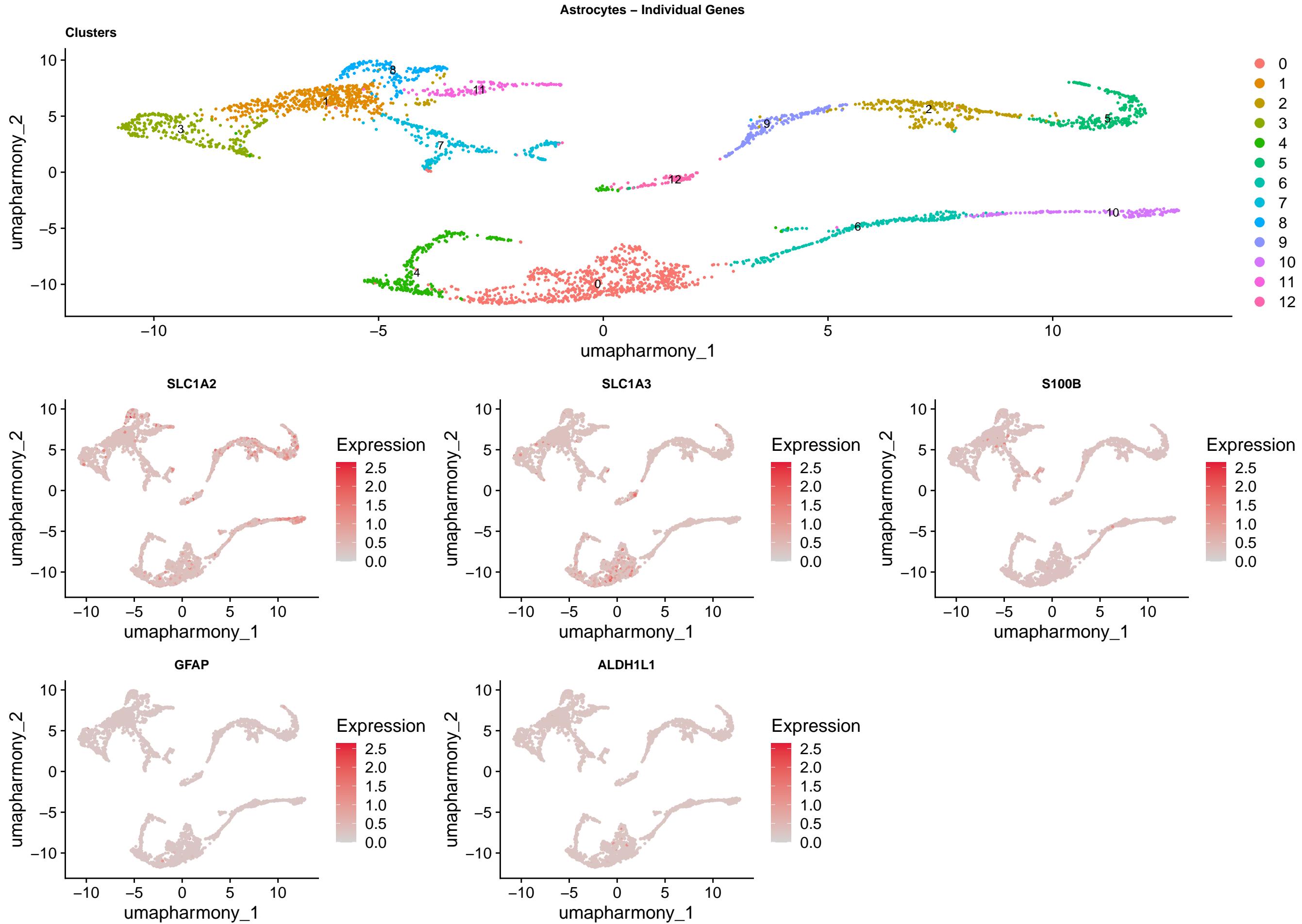


Pan-Neuronal Markers – Individual Genes



Astrocytes
Genes: GFAP, S100B, ALDH1L1, GLAST, SLC1A2, SLC1A3
[Missing: GLAST]
Astrocytes – Module Score





Cajal–Retzius/Subplate
Genes: RELN, SSTR1, NPY, CCK, CR, CRH, LHX6, SLC6A1
[Missing: CR, LHX6]
Cajal–Retzius/Subplate – Module Score

