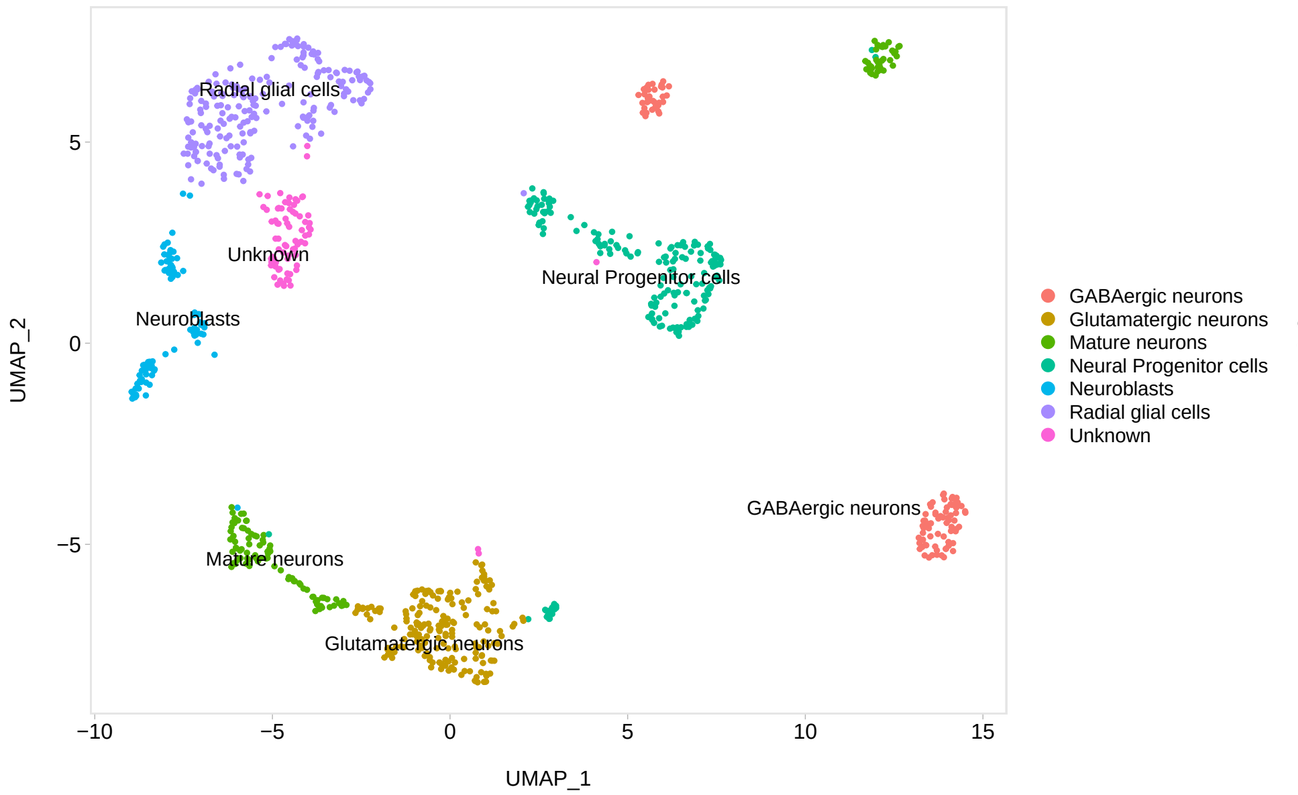
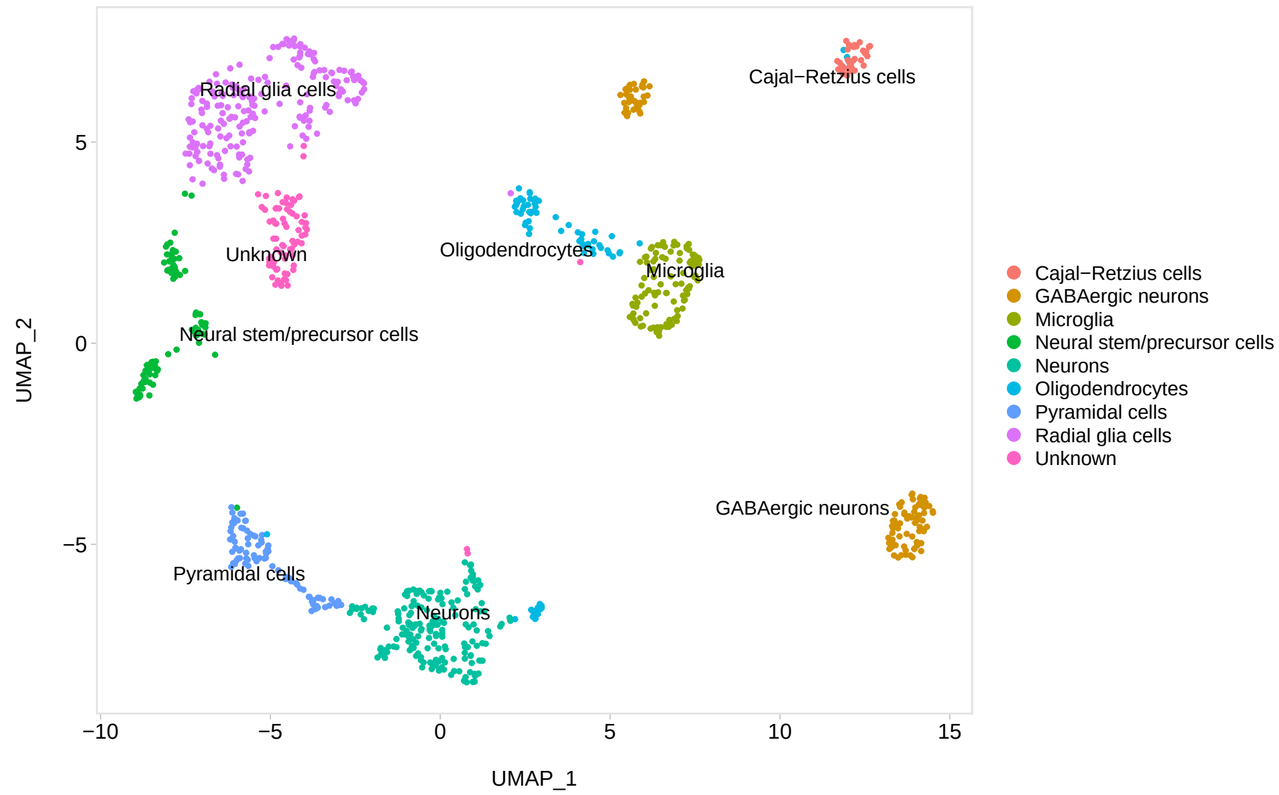
SCRIPT 3 : LABELLING CELL TYPES
INTEGRATED SHORT READS (REGRESSED)

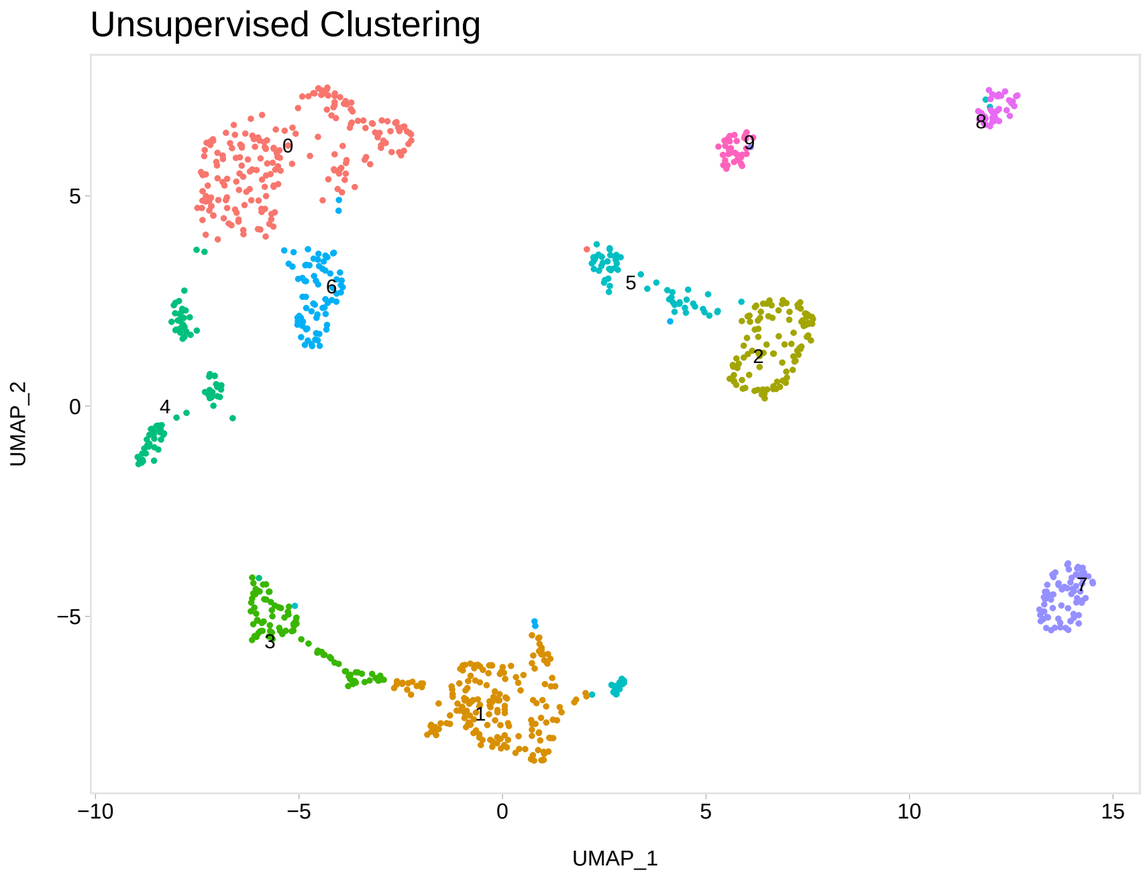
Integrated Short Reads (REGRESSED) − scTypeDB

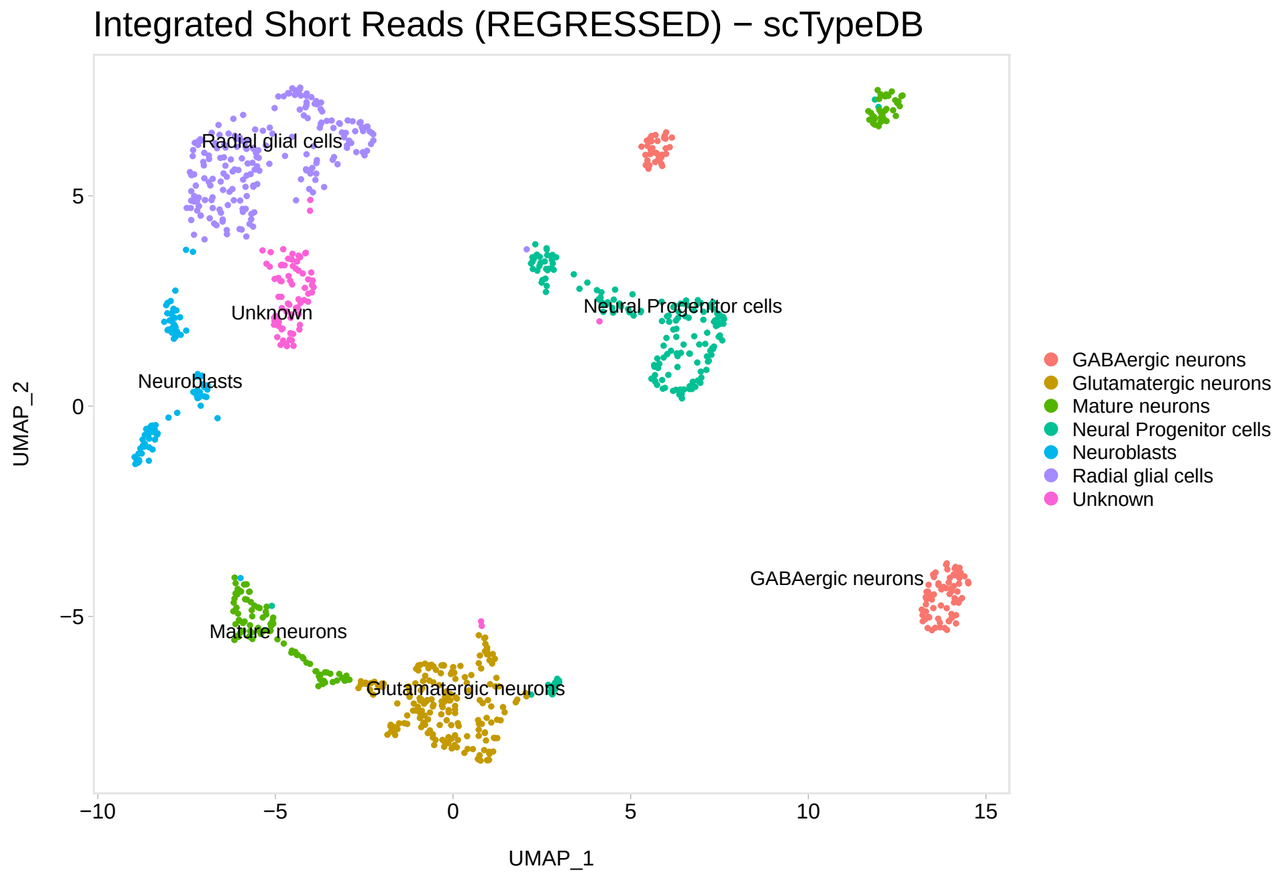


Integrated Short Reads (REGRESSED) − PanglaoDB

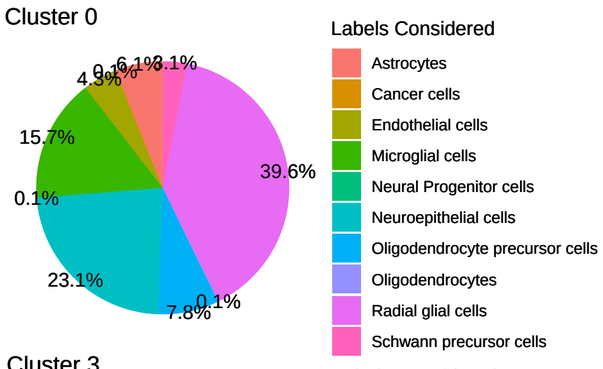


scType Database Labels versus Unsupervised Clustering

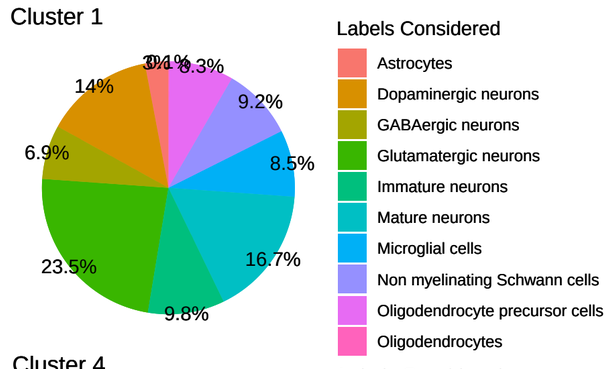




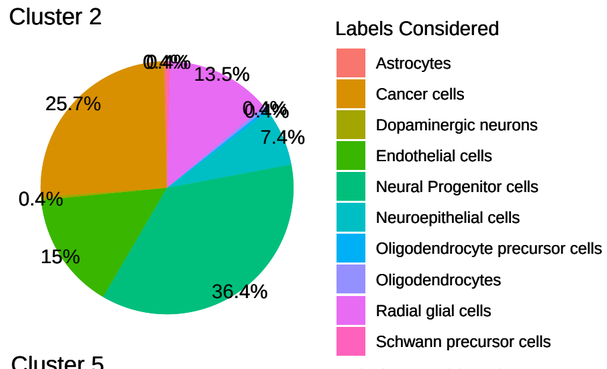
INTEGRATED SHORT READS (REGRESSED)
(scType DataBase)
Pie Charts denoting cell label confidence scores for each cluster



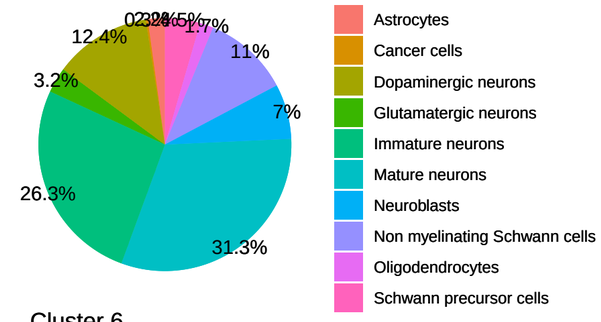
Labels Considered
- Astrocytes
- Cancer cells
- Endothelial cells
- Microglial cells
- Neural Progenitor cells
- Neuroepithelial cells
- Oligodendrocyte precursor cells
- Oligodendrocytes
- Radial glial cells
- Schwann precursor cells



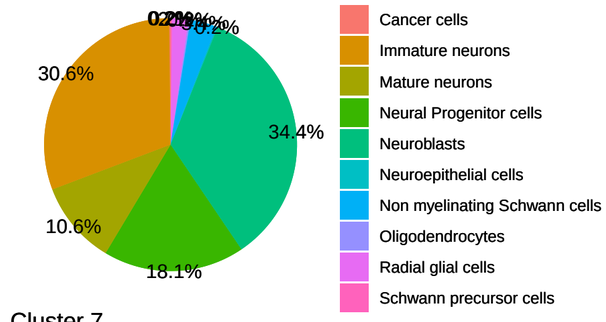
Labels Considered
- Astrocytes
- Dopaminergic neurons
- GABAergic neurons
- Glutamatergic neurons
- Immature neurons
- Mature neurons
- Microglial cells
- Non myelinating Schwann cells
- Oligodendrocyte precursor cells
- Oligodendrocytes



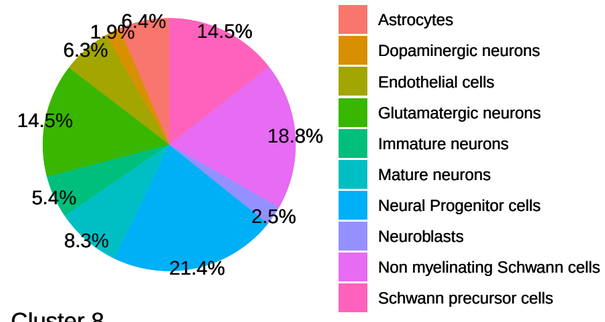
Labels Considered
- Astrocytes
- Cancer cells
- Dopaminergic neurons
- Endothelial cells
- Neural Progenitor cells
- Neuroepithelial cells
- Oligodendrocyte precursor cells
- Oligodendrocytes
- Radial glial cells
- Schwann precursor cells



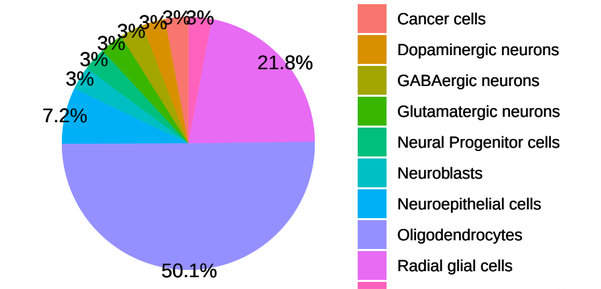
Labels Considered
- Astrocytes
- Cancer cells
- Dopaminergic neurons
- Glutamatergic neurons
- Immature neurons
- Mature neurons
- Neuroblasts
- Non myelinating Schwann cells
- Oligodendrocytes
- Schwann precursor cells



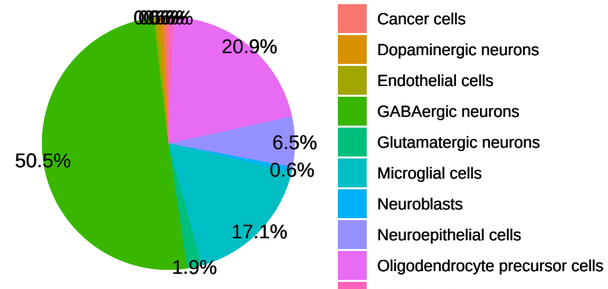
Labels Considered
- Cancer cells
- Immature neurons
- Mature neurons
- Neural Progenitor cells
- Neuroblasts
- Neuroepithelial cells
- Non myelinating Schwann cells
- Oligodendrocytes
- Radial glial cells
- Schwann precursor cells



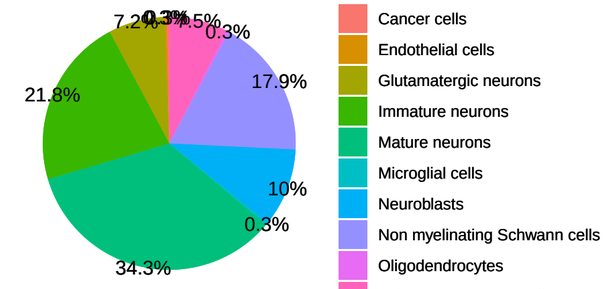
Labels Considered
- Astrocytes
- Dopaminergic neurons
- Endothelial cells
- Glutamatergic neurons
- Immature neurons
- Mature neurons
- Neural Progenitor cells
- Neuroblasts
- Non myelinating Schwann cells
- Schwann precursor cells



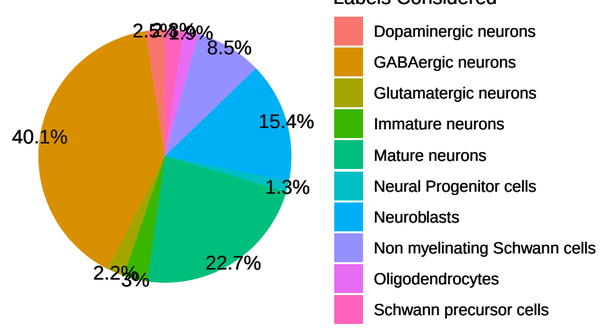
Labels Considered
- Cancer cells
- Dopaminergic neurons
- GABAergic neurons
- Glutamatergic neurons
- Neural Progenitor cells
- Neuroblasts
- Neuroepithelial cells
- Oligodendrocytes
- Radial glial cells
- Schwann precursor cells



Labels Considered
- Cancer cells
- Dopaminergic neurons
- Endothelial cells
- GABAergic neurons
- Glutamatergic neurons
- Microglial cells
- Neuroblasts
- Neuroepithelial cells
- Oligodendrocyte precursor cells
- Oligodendrocytes



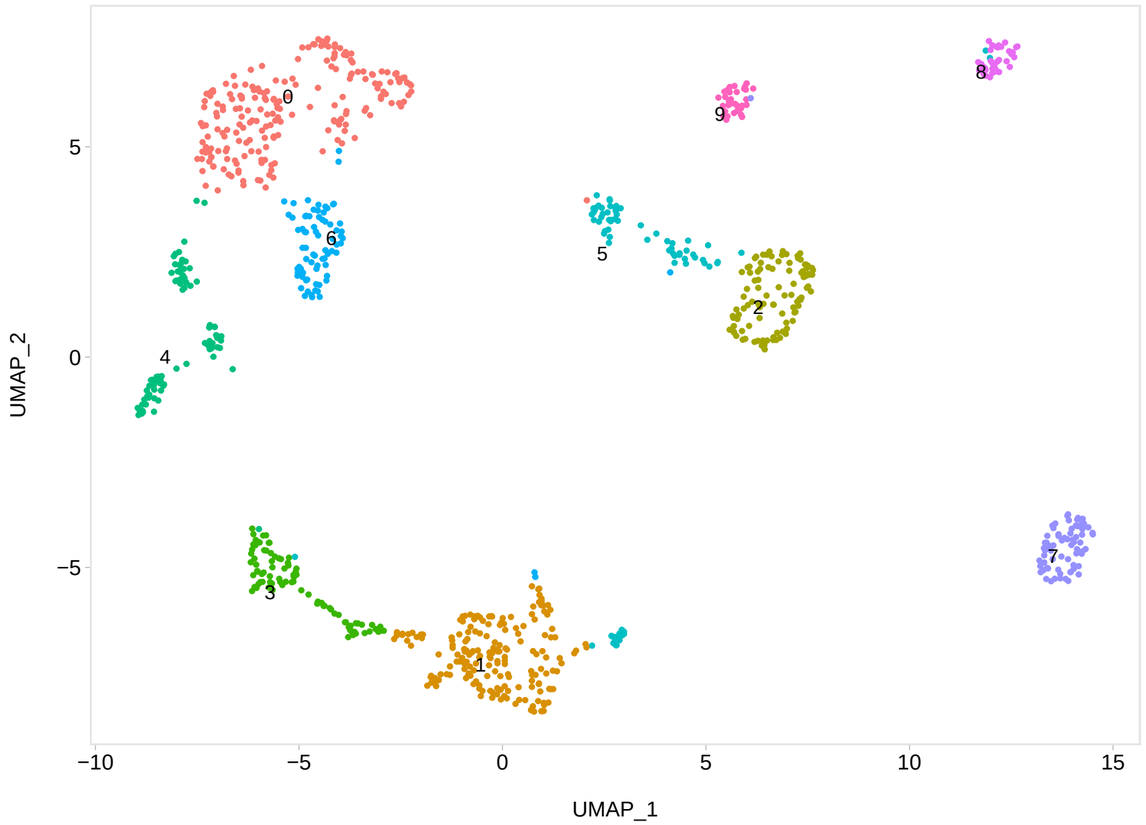
Labels Considered
- Cancer cells
- Endothelial cells
- Glutamatergic neurons
- Immature neurons
- Mature neurons
- Microglial cells
- Neuroblasts
- Non myelinating Schwann cells
- Oligodendrocytes
- Schwann precursor cells



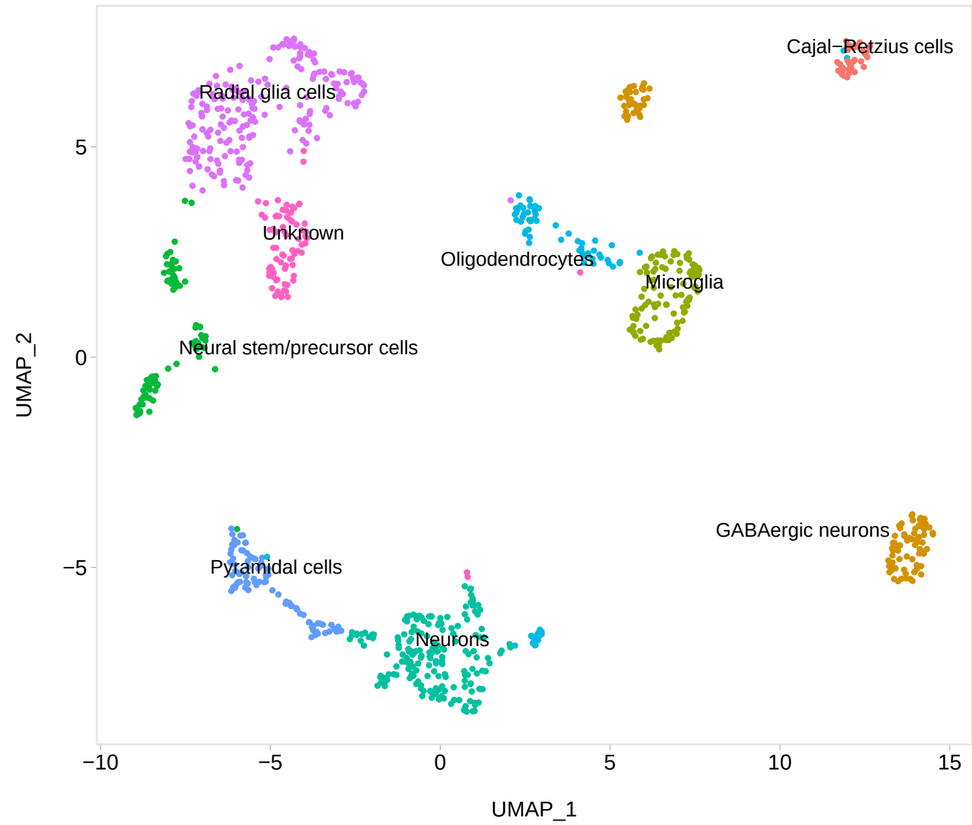
Labels Considered
- Dopaminergic neurons
- GABAergic neurons
- Glutamatergic neurons
- Immature neurons
- Mature neurons
- Neural Progenitor cells
- Neuroblasts
- Non myelinating Schwann cells
- Oligodendrocytes
- Schwann precursor cells

Panglao Database Labels versus Unsupervised Clustering

Unsupervised Clustering



Integrated Short Reads (REGRESSED) − PanglaoDB

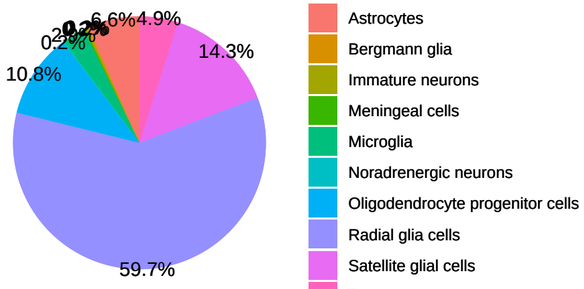


INTEGRATED SHORT READS (REGRESSED)

(Panglao DataBase)

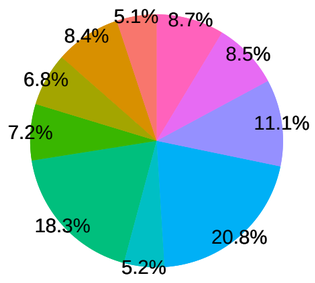
Pie Charts denoting cell label confidence scores for each cluster

Cluster 0



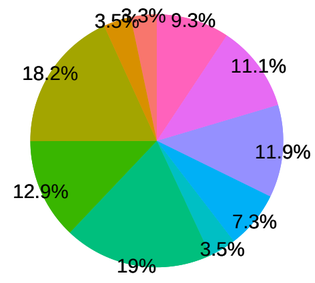
Labels Considered
- Astrocytes
- Bergmann glia
- Immature neurons
- Meningeal cells
- Microglia
- Noradrenergic neurons
- Oligodendrocyte progenitor cells
- Radial glia cells
- Satellite glial cells
- Tanycytes

Cluster 1



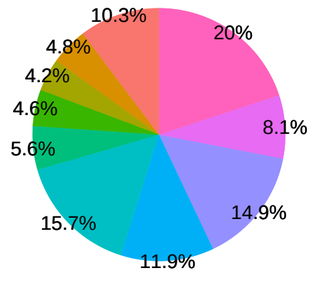
Labels Considered
- Adrenergic neurons
- Cajal−Retzius cells
- Dopaminergic neurons
- Glutaminergic neurons
- Interneurons
- Neuroendocrine cells
- Neurons
- Purkinje neurons
- Pyramidal cells
- Retinal ganglion cells

Cluster 2



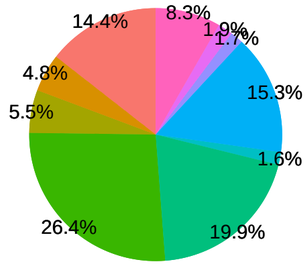
Labels Considered
- Astrocytes
- Choroid plexus cells
- Ependymal cells
- Meningeal cells
- Microglia
- Oligodendrocyte progenitor cells
- Oligodendrocytes
- Radial glia cells
- Schwann cells
- Tanycytes

Cluster 3



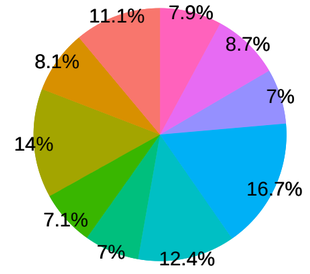
Labels Considered
- Adrenergic neurons
- Bergmann glia
- Cajal−Retzius cells
- Choroid plexus cells
- Glutaminergic neurons
- Immature neurons
- Interneurons
- Neurons
- Purkinje neurons
- Pyramidal cells

Cluster 4



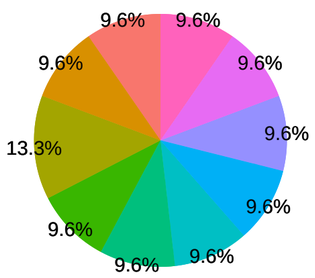
Labels Considered
- Cajal−Retzius cells
- Ependymal cells
- Immature neurons
- Neural stem/precursor cells
- Neuroblasts
- Oligodendrocytes
- Pinealocytes
- Radial glia cells
- Retinal ganglion cells
- Trigeminal neurons

Cluster 5



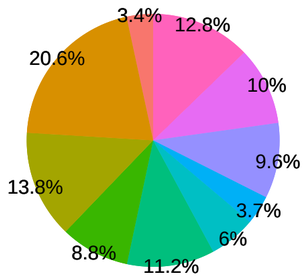
Labels Considered
- Anterior pituitary gland cells
- Dopaminergic neurons
- Interneurons
- Neuroblasts
- Neuroendocrine cells
- Neurons
- Oligodendrocytes
- Purkinje neurons
- Retinal ganglion cells
- Trigeminal neurons

Cluster 6



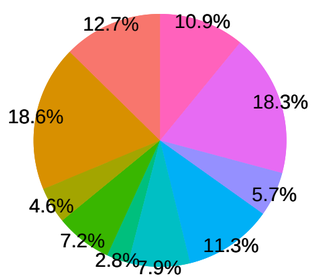
Labels Considered
- Ependymal cells
- GABAergic neurons
- Glycinergic neurons
- Meningeal cells
- Motor neurons
- Oligodendrocyte progenitor cells
- Pinealocytes
- Satellite glial cells
- Schwann cells
- Tanycytes

Cluster 7



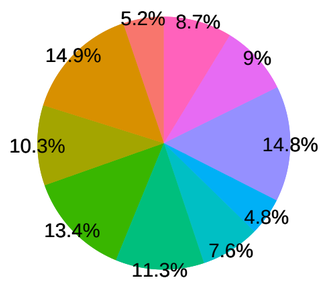
Labels Considered
- Adrenergic neurons
- GABAergic neurons
- Glycinergic neurons
- Interneurons
- Microglia
- Motor neurons
- Neuroendocrine cells
- Neurons
- Oligodendrocyte progenitor cells
- Purkinje neurons

Cluster 8



Labels Considered
- Anterior pituitary gland cells
- Cajal−Retzius cells
- Glutaminergic neurons
- Interneurons
- Microglia
- Neuroblasts
- Neurons
- Pinealocytes
- Retinal ganglion cells
- Trigeminal neurons

Cluster 9



Labels Considered
- Bergmann glia
- GABAergic neurons
- Glycinergic neurons
- Interneurons
- Motor neurons
- Neuroblasts
- Neuroendocrine cells
- Neurons
- Purkinje neurons
- Retinal ganglion cells