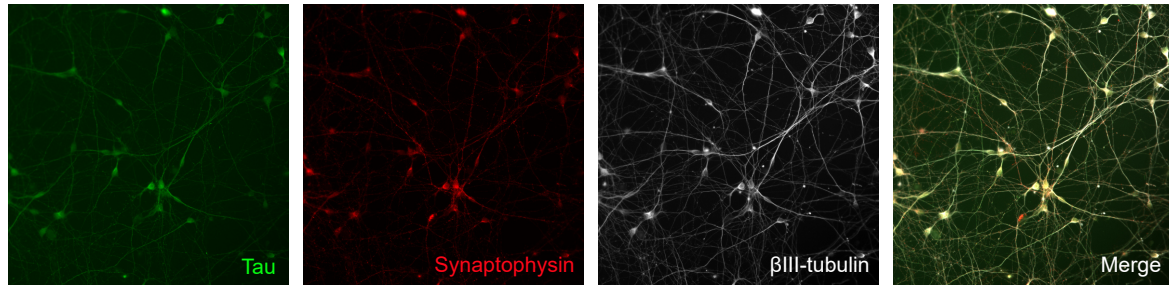


a

Neurons



b

Astrocytes

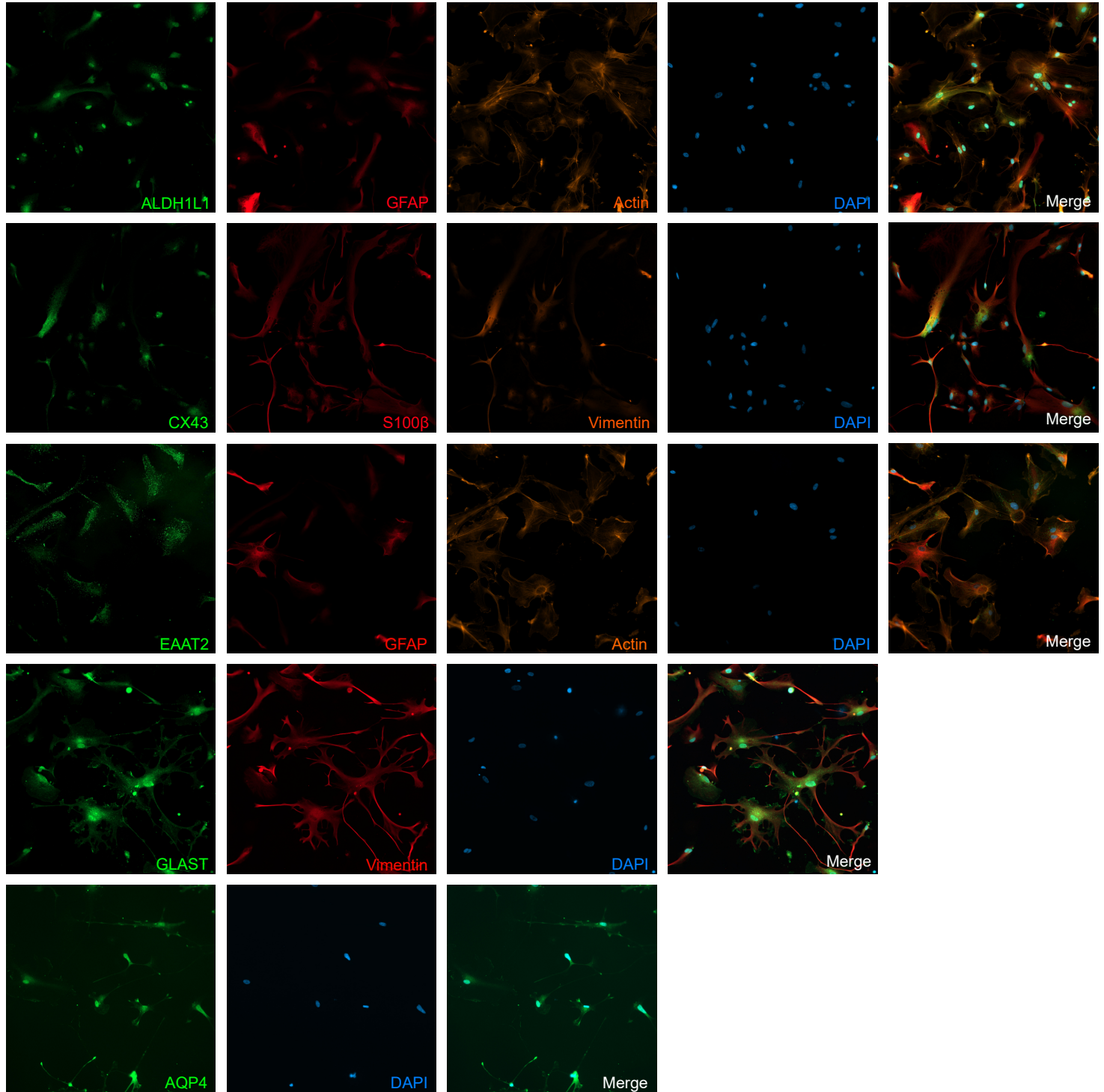


Fig.S1 Human iPSC derived neurons and astrocytes express cell type-specific markers. (a) Expression of neuron specific markers. Human iPSC derived neurons express several neuronal markers including tau, synaptophysin and β III-tubulin. (b) Expression of astrocyte specific markers. Human iPSC derived astrocytes express a plethora of markers including ALDH1L1, CX43, EAAT2, GLAST, AQP4, GFAP, S100 β and vimentin. Phalloidin and DAPI stain the actin and nucleus respectively.