

Additional file 4 Phosphorylated alpha-synuclein in inclusion bodies occasionally colocalizes with astrocytes and microglia

Confocal imaging of brain sections of Tg(SNCA)^{1Nbm}/J mice injected with brain extracts from MSA or probable iLBD cases shows that at 9 months post injection punctate aggregates of phosphorylated alpha-synuclein, as seen with staining with the 81A antibody (**a-d**), occasionally localize to astrocytes, as seen with staining for GFAP (**e-h**), when both images are merged (**i-l**). In addition, staining with the 81A antibody for phosphorylated alpha-synuclein (**m-p**) shows that punctate aggregates of phosphorylated alpha-synuclein also occasionally localize to microglia, as seen with staining for Iba1 (**q-t**), when both images are merged (**u-x**). Nuclei were stained with DAPI (blue). Scale bar = 10 μm .

