



**Supplementary Fig. 1.** Cellular and morphological characterization of neurons and astrocytes enriched cultures. (A, B) Immunofluorescent staining for SOD1 of cortical neurons (red) and astrocytes (green) with DAPI for nuclei (blue). (C) Western blot analysis confirmed the presence of the human SOD1 in cortical neurons and astrocytes. Levels of hSOD1 in both mutant cortical neurons and mutant astrocytes identified compared with wild-type.