



Figure S1. Original images of western blots reported in Figure 3. Representative Western blot analysis of NFL protein in sciatic nerve tissue of G93A-SOD1 and B6.SJL mice at week 8, 12, 18. Western blot images of NFL and β -actin proteins derived from the same electrophoretic gels. Western blot protocol was optimized three times obtaining the same results: one by cutting the membrane into small stripes at proper molecular weight, that were incubated separately with anti-NFL and anti- β -actin antibodies, a “stripe puzzles” method reported in literature [Colciaghi, F. et al. Targeting PSD95-nNOS interaction by Tat-N-dimer peptide during status epilepticus is neuroprotective in MAM-pilocarpine rat model. *Neuropharmacology* 2019, *153*, 82–97] and two without cutting the membrane.