

SOD1-G93A Transgenic Mouse Model Low expressors

This Amyotrophic Lateral Sclerosis (ALS) mouse model overexpresses the human SOD1 (superoxide dismutase 1) containing a G93A mutation with a low copy number under the regulatory control of the human SOD1 promoter.

- Mean survival of appr. 32 weeks
- Reduced body weight starting at about 32 weeks
- Clasping deficits starting at 36 weeks
- Early wire suspension deficits
- Clinical signs starting at 33 weeks

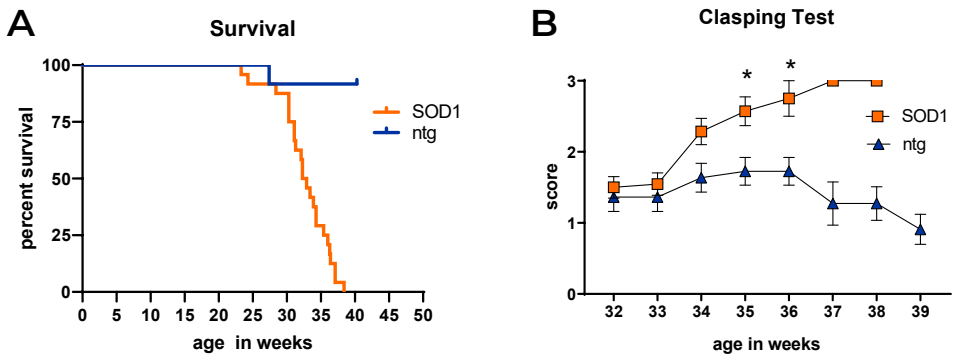


Figure 1: Survival curve and clasping behavior over age of SOD1-G93A low expressor mice. Two-way ANOVA with Bonferroni's *post hoc* test. * $p < 0.05$.

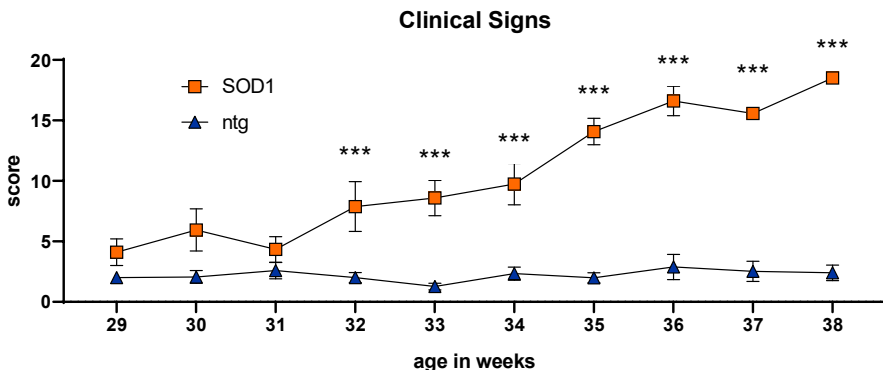


Figure 2: Scoring of clinical signs of SOD1-G93A low expressor mice over age. Two-way ANOVA with Bonferroni's *post hoc* test. *** $p < 0.001$.

Reference: Molnar-Kasza A, Hinteregger B, Neddens J, Rabi R, Flunkert S, Hutter-Paier B (2021) Evaluation of Neuropathological Features in the SOD1-G93A Low Copy Number Transgenic Mouse Model of Amyotrophic Lateral Sclerosis. *Front. Mol. Neurosci.*, 24 June 2021.