

Resource Summary Report

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B6SJL-Tg(SOD1*G93A)1Gur/J

RRID:IMSR_JAX:002726

Type: Organism

Proper Citation

RRID:IMSR_JAX:002726

Organism Information

URL: <https://www.jax.org/strain/002726>

Proper Citation: RRID:IMSR_JAX:002726

Description: Mus musculus with name B6SJL-Tg(SOD1*G93A)1Gur/J from IMSR.

Species: Mus musculus

Synonyms: B6SJL-Tg(SOD1-G93A)1Gur/J

Notes: gene symbol note: transgene insertion 1; Mark E Gurney|superoxide dismutase 1; mutant strain: Tg(SOD1*G93A)1Gur|SOD1

Affected Gene: transgene insertion 1; Mark E Gurney|superoxide dismutase 1

Genomic Alteration: transgene insertion 1; Mark E Gurney

Catalog Number: JAX:002726

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6SJL-Tg(SOD1*G93A)1Gur/J

Record Creation Time: 20250513T053634+0000

Record Last Update: 20260808T050836+0000

Ratings and Alerts

No rating or validation information has been found for B6SJL-Tg(SOD1*G93A)1Gur/J.

No alerts have been found for B6SJL-Tg(SOD1*G93A)1Gur/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 355 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#).

Özkan B, et al. (2026) Reduced osteogenic factors and early osteoblast senescence in SOD1(G93A) ALS mouse model. JCI insight, 11(5).

Kamimae-Lanning AN, et al. (2026) Metabolite-induced DNA damage drives stochastic stem cell loss and clonal hematopoiesis. Cell stem cell, 33(4), 642.

Daini E, et al. (2026) Reference gene variability across age and sex in 5XFAD mice highlights normalization challenges in Alzheimer's models. Scientific reports, 16(1).

Guidotti L, et al. (2026) Morpho-Functional Characterization and miRNA Profiling of the Retina in the 5xFAD Murine Model of Alzheimer's Disease. Investigative ophthalmology & visual science, 67(2), 31.

Xu G, et al. (2026) Efficient induction of motor neuron disease in transgenic G93A SOD1 mice by prion-like seeding. Prion, 20(1), 1.

Kim Y, et al. (2026) Microglia TFEB activation attenuates Alzheimer's disease pathology by enhancing autophagy-lysosomal function. Journal of neuroinflammation, 23(1).

Mast N, et al. (2026) CYP46A1 activation by low-dose efavirenz uncovers the link between brain cholesterol metabolism, energetics, and vasculature. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 199, 119470.

Reedich EJ, et al. (2026) Chronic Diazepam Reveals Excessive Homeostatic Gain in SOD1G93A Mouse Spinal Motoneurons. International journal of molecular sciences, 27(12).

Shahabian L, et al. (2026) Semaglutide Selectively Improves Metabolic and Cognitive Function in 5xFAD Mice. International journal of molecular sciences, 27(12).

Martínez-Silva ML, et al. (2026) Machine-learning classification of motor unit types in the adult mouse. The Journal of physiology, 604(10), 3984.

Scekic-Zahirovic J, et al. (2026) Large-scale mapping of the MCH network in ALS mice reveals the vulnerability of dopaminergic and GABAergic neurons in zona incerta. Acta neuropathologica communications, 14(1).

Antonucci S, et al. (2026) Spinal motoneuron excitability is homeostatically regulated through α -adrenergic neuromodulation in wild-type and presymptomatic SOD1 mice. *Progress in neurobiology*, 260, 102905.

Heo S, et al. (2026) Synthesis of 3-desoxycollinoketone B and its ability to reduce Alzheimer-associated misfolded proteins. *Nature communications*, 17(1).

Dong L, et al. (2026) Absence of Neuromuscular Dysfunction in Mice with Gut Epithelium-Restricted Expression of ALS Mutation hSOD1G93A. *Biomolecules*, 16(2).

Nagayama K, et al. (2026) Sustained CREB Phosphorylation Is Associated with Neuritogenic Prostanoid Signaling in NSC-34 Cells. *Cells*, 15(11).

Pilotto F, et al. (2026) Engineered GM1 Intersects Between Mitochondrial and Synaptic Pathways to Ameliorate ALS Pathology. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e14128.

Zheng Z, et al. (2026) Targeting PGAM5-driven mitochondrial integrated stress response slows ALS progression across subtypes. *Neuron*, 114(12), 2109.

Lee BC, et al. (2026) Administration of P_{gk1} missense mutation leads to more effective mitigation of neurodegenerative effects observed in ALS mice and transgenic zebrafish. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 201, 119674.

Xu Y, et al. (2026) BDNF insufficiency exacerbates ALS progression. *Cell reports. Medicine*, 7(5), 102758.

Ahmed Z, et al. (2025) Multi-path direct current spinal stimulation extended survival in the SOD1-G93A model of amyotrophic lateral sclerosis. *Frontiers in neurology*, 16, 1594169.