Resource Summary Report

Generated by NIF on Sep 12, 2026

B6.Cg-Tg(Hlxb9-GFP)1Tmj/J

RRID:IMSR_JAX:005029
Type: Organism

Proper Citation

RRID:IMSR_JAX:005029

Organism Information

URL: https://www.jax.org/strain/005029

Proper Citation: RRID:IMSR_JAX:005029

Description: Mus musculus with name B6.Cg-Tg(Hlxb9-GFP)1Tmj/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 1; Thomas M Jessell||motor neuron and pancreas homeobox 1; mutant strain|congenic strain: Tg(Hlxb9-GFP)1Tmj||Mnx1

Affected Gene: transgene insertion 1; Thomas M Jessell||motor neuron and pancreas homeobox 1

Genomic Alteration: transgene insertion 1; Thomas M Jessell

Catalog Number: JAX:005029

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.Cg-Tg(Hlxb9-GFP)1Tmj/J

Record Creation Time: 20250513T053647+0000

Record Last Update: 20260905T044429+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Hlxb9-GFP)1Tmj/J.

No alerts have been found for B6.Cg-Tg(Hlxb9-GFP)1Tmj/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 39 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Wang NB, et al. (2025) Compact transcription factor cassettes generate functional, engraftable motor neurons by direct conversion. Cell systems, 16(4), 101206.

Lende-Dorn BA, et al. (2025) Chemogenetic tuning reveals optimal MAPK signaling for cell-fate programming. Cell reports, 44(9), 116226.

Wang NB, et al. (2025) Proliferation history and transcription factor levels drive direct conversion to motor neurons. Cell systems, 16(4), 101205.

Olguin AGR, et al. (2025) Cadherin 4 assembles a family of color-preferring retinal circuits that respond to light offset. Current biology : CB, 35(6), 1298.

Zhang H, et al. (2025) Widespread innervation of motoneurons by spinal V3 neurons globally amplifies locomotor output in mice. Cell reports, 44(1), 115212.

Nimkar K, et al. (2025) Molecular and spatial analysis of ganglion cells on retinal flatmounts identifies perivascular neurons resilient to glaucoma. Neuron.

Bistrong K, et al. (2025) Activity-dependent development of synaptic circuits mediates direction selectivity in an axis-specific manner. Cell reports, 44(7), 115897.

Smith CC, et al. (2024) Kv2 channels do not function as canonical delayed rectifiers in spinal motoneurons. iScience, 27(8), 110444.

Toma K, et al. (2024) Perivascular neurons instruct 3D vascular lattice formation via neurovascular contact. Cell, 187(11), 2767.

Zhang H, et al. (2024) Widespread innervation of motoneurons by spinal V3 neurons globally amplifies locomotor output in mice. bioRxiv : the preprint server for biology.

Gauberg J, et al. (2024) Spinal motor neuron development and metabolism are transcriptionally regulated by Nuclear Factor IA. bioRxiv : the preprint server for biology.

Lindblad C, et al. (2023) Stem cell-derived brainstem mouse astrocytes obtain a neurotoxic phenotype in vitro upon neuroinflammation. Journal of inflammation (London, England), 20(1), 22.

Thomasen PB, et al. (2023) SorCS2 binds progranulin to regulate motor neuron development. Cell reports, 42(11), 113333.

Zanganeh PF, et al. (2022) ??-Amino-3-hydroxyl-5-methyl-4-isoxazole-propionate receptor and RNA processing gene dysregulation are early determinants of selective motor neuron vulnerability in a mouse model of amyotrophic lateral sclerosis. Brain communications, 4(2), fcac081.

LaForce GR, et al. (2022) Suppression of premature transcription termination leads to reduced mRNA isoform diversity and neurodegeneration. Neuron, 110(8), 1340.

Tiriac A, et al. (2022) The influence of spontaneous and visual activity on the development of direction selectivity maps in mouse retina. Cell reports, 38(2), 110225.

Birsa N, et al. (2021) FUS-ALS mutants alter FMRP phase separation equilibrium and impair protein translation. Science advances, 7(30).

Monaghan CE, et al. (2021) The Clp1 R140H mutation alters tRNA metabolism and mRNA 3' processing in mouse models of pontocerebellar hypoplasia. Proceedings of the National Academy of Sciences of the United States of America, 118(39).

Jeffet J, et al. (2021) Multimodal single-molecule microscopy with continuously controlled spectral resolution. Biophysical reports, 1(1), 100013.

Chang SH, et al. (2021) MicroRNAs mediate precise control of spinal interneuron populations to exert delicate sensory-to-motor outputs. eLife, 10.