

Resource Summary Report

Generated by [kravitz2](#) on Aug 20, 2026

B6.Cg-Tg(Gfap-cre)77.6Mvs/2J

RRID:IMSR_JAX:024098

Type: Organism

Proper Citation

RRID:IMSR_JAX:024098

Organism Information

URL: <https://www.jax.org/strain/024098>

Proper Citation: RRID:IMSR_JAX:024098

Description: Mus musculus with name B6.Cg-Tg(Gfap-cre)77.6Mvs/2J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 77.6; Michael V Sofroniew|glial fibrillary acidic protein|; mutant strain|congenic strain: Tg(Gfap-cre)77.6Mvs|Gfap|

Affected Gene: transgene insertion 77.6; Michael V Sofroniew|glial fibrillary acidic protein|

Genomic Alteration: transgene insertion 77.6; Michael V Sofroniew

Catalog Number: JAX:024098

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Gfap-cre)77.6Mvs/2J

Record Creation Time: 20250513T053749+0000

Record Last Update: 20260815T050702+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Gfap-cre)77.6Mvs/2J.

No alerts have been found for B6.Cg-Tg(Gfap-cre)77.6Mvs/2J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 45 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Ghoochani A, et al. (2026) Cell-type resolved protein atlas of brain lysosomes identifies SLC45A1-associated disease as a lysosomal disorder. *Cell*, 189(3), 765.

Hole KL, et al. (2026) MitoTracker transfers from astrocytes to neurons independently of mitochondria. *Cell reports methods*, 6(3), 101338.

Gleichman AJ, et al. (2025) Regionally mapped astrocytic responses to cortical and white matter stroke show differential roles in astrocyte-induced vascular remodeling. *Neuron*, 113(24), 4178.

Chen SW, et al. (2025) ECM29/proteasome-mediated self-antigen generation by CNS-resident neuroglia promotes regulatory T cell activation. *Cell reports*, 44(1), 115161.

Lombardi AM, et al. (2024) AKT2 modulates astrocytic nicotine responses in vivo. *bioRxiv* : the preprint server for biology.

He Q, et al. (2024) Acetate enables metabolic fitness and cognitive performance during sleep disruption. *Cell metabolism*, 36(9), 1998.

Asbelaoui N, et al. (2024) Interplay between androgen and CXCR4 chemokine signaling in myelin repair. *Acta neuropathologica communications*, 12(1), 18.

Zhang X, et al. (2024) Cell-type specific circadian transcription factor BMAL1 roles in excitotoxic hippocampal lesions to enhance neurogenesis. *iScience*, 27(2), 108829.

Feng J, et al. (2024) Monitoring norepinephrine release in vivo using next-generation GRABNE sensors. *Neuron*, 112(12), 1930.

Ma W, et al. (2023) Type I interferon response in astrocytes promotes brain metastasis by enhancing monocytic myeloid cell recruitment. *Nature communications*, 14(1), 2632.

Li S, et al. (2023) Vitamin C protects retinal ganglion cells via SPP1 in glaucoma and after optic nerve damage. *Life science alliance*, 6(8).

Sun C, et al. (2023) Tumor-associated nonmyelinating Schwann cell-expressed PVT1 promotes pancreatic cancer kynurenine pathway and tumor immune exclusion. *Science advances*, 9(5), eadd6995.

Lahiri A, et al. (2023) Astrocytic deletion of protein kinase R-like ER kinase (PERK) does not affect learning and memory in aged mice but worsens outcome from experimental stroke. *Journal of neuroscience research*, 101(10), 1586.

Su Y, et al. (2023) Astrocyte endfoot formation controls the termination of oligodendrocyte precursor cell perivascular migration during development. *Neuron*, 111(2), 190.

de Mello NP, et al. (2023) Ex vivo immunocapture and functional characterization of cell-type-specific mitochondria using MitoTag mice. *Nature protocols*, 18(7), 2181.

Miguel-Quesada C, et al. (2023) Astrocytes adjust the dynamic range of cortical network activity to control modality-specific sensory information processing. *Cell reports*, 42(8), 112950.

Zhang YZ, et al. (2023) Activity-dependent ectopic action potentials in regular-spiking neurons of the neocortex. *Frontiers in cellular neuroscience*, 17, 1267687.

Yang J, et al. (2023) Ventral tegmental area astrocytes modulate cocaine reward by tonically releasing GABA. *Neuron*, 111(7), 1104.

Chen Z, et al. (2022) BzATP Activates Satellite Glial Cells and Increases the Excitability of Dorsal Root Ganglia Neurons In Vivo. *Cells*, 11(15).

Lu SZ, et al. (2022) Inhibition of astrocytic DRD2 suppresses CNS inflammation in an animal model of multiple sclerosis. *The Journal of experimental medicine*, 219(9).