Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 31, 2025

B6N.FVB-Tg(Mpz-cre)26Mes/J

RRID:IMSR_JAX:017927
Type: Organism

Proper Citation

RRID:IMSR_JAX:017927

Organism Information

URL: https://www.jax.org/strain/017927

Proper Citation: RRID:IMSR_JAX:017927

Description: Mus musculus with name B6N.FVB-Tg(Mpz-cre)26Mes/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: myelin protein zero|transgene insertion 26; Albee Messing||myelin protein zero|transgene insertion 26; Albee Messing|; mutant strain: Mpz|Tg(Mpz-cre)26Mes||Mpz|Tg(Mpz-cre)26Mes|

Affected Gene: myelin protein zero|transgene insertion 26; Albee Messing||myelin protein zero|transgene insertion 26; Albee Messing|

Genomic Alteration: transgene insertion 26; Albee Messing

Catalog Number: JAX:017927

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:17927

Organism Name: B6N.FVB-Tg(Mpz-cre)26Mes/J

Record Creation Time: 20230509T193312+0000

Record Last Update: 20240104T175019+0000

Ratings and Alerts

No rating or validation information has been found for B6N.FVB-Tg(Mpz-cre)26Mes/J.

No alerts have been found for B6N.FVB-Tg(Mpz-cre)26Mes/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Bekku Y, et al. (2024) Glia trigger endocytic clearance of axonal proteins to promote rodent myelination. Developmental cell.

Sundaram VK, et al. (2023) Adipo-glial signaling mediates metabolic adaptation in peripheral nerve regeneration. Cell metabolism, 35(12), 2136.

Birdsall V, et al. (2022) Axonal transport of Hrs is activity dependent and facilitates synaptic vesicle protein degradation. Life science alliance, 5(10).

Velasco-Aviles S, et al. (2022) A genetic compensatory mechanism regulated by Jun and Mef2d modulates the expression of distinct class IIa Hdacs to ensure peripheral nerve myelination and repair. eLife, 11.

Unachukwu U, et al. (2021) Renal neoplasms in tuberous sclerosis mice are neurocristopathies. iScience, 24(7), 102684.

Gerber D, et al. (2021) Transcriptional profiling of mouse peripheral nerves to the single-cell level to build a sciatic nerve ATlas (SNAT). eLife, 10.

Wagstaff LJ, et al. (2021) Failures of nerve regeneration caused by aging or chronic denervation are rescued by restoring Schwann cell c-Jun. eLife, 10.

Chang KJ, et al. (2021) TDP-43 maximizes nerve conduction velocity by repressing a cryptic exon for paranodal junction assembly in Schwann cells. eLife, 10.

Jia L, et al. (2021) Rheb-regulated mitochondrial pyruvate metabolism of Schwann cells linked to axon stability. Developmental cell, 56(21), 2980.

Della-Flora Nunes G, et al. (2021) Activation of mTORC1 and c-Jun by Prohibitin1 loss in Schwann cells may link mitochondrial dysfunction to demyelination. eLife, 10.

Weinstock NI, et al. (2020) Macrophages Expressing GALC Improve Peripheral Krabbe Disease by a Mechanism Independent of Cross-Correction. Neuron, 107(1), 65.

Pereira JA, et al. (2020) Mice carrying an analogous heterozygous dynamin 2 K562E mutation that causes neuropathy in humans develop predominant characteristics of a primary myopathy. Human molecular genetics, 29(8), 1253.

Lv W, et al. (2019) FGF9 alters the Wallerian degeneration process by inhibiting Schwann cell transformation and accelerating macrophage infiltration. Brain research bulletin, 152, 285.

Ommer A, et al. (2019) Ral GTPases in Schwann cells promote radial axonal sorting in the peripheral nervous system. The Journal of cell biology, 218(7), 2350.

Gerber D, et al. (2019) Schwann cells, but not Oligodendrocytes, Depend Strictly on Dynamin 2 Function. eLife, 8.

Norrmén C, et al. (2018) mTORC1 Is Transiently Reactivated in Injured Nerves to Promote c-Jun Elevation and Schwann Cell Dedifferentiation. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(20), 4811.

Ma KH, et al. (2018) Polycomb repression regulates Schwann cell proliferation and axon regeneration after nerve injury. Glia, 66(11), 2487.

Poitelon Y, et al. (2018) A dual role for Integrin ?6?4 in modulating hereditary neuropathy with liability to pressure palsies. Journal of neurochemistry, 145(3), 245.