

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

C3Fe.SWV-Mbp^{shi}/J

RRID:IMSR_JAX:001428

Type: Organism

Proper Citation

RRID:IMSR_JAX:001428

Organism Information

URL: <https://www.jax.org/strain/001428>

Proper Citation: RRID:IMSR_JAX:001428

Description: Mus musculus with name C3Fe.SWV-Mbp^{shi}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: myelin basic protein; mutant strain|congenic strain: Mbp

Affected Gene: myelin basic protein

Genomic Alteration: shiverer

Catalog Number: JAX:001428

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C3Fe.SWV-Mbp^{shi}/J

Record Creation Time: 20250513T053625+0000

Record Last Update: 20260919T054814+0000

Ratings and Alerts

No rating or validation information has been found for C3Fe.SWV-Mbp^{shi}/J.

No alerts have been found for C3Fe.SWV-Mbp^{shi}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Sztachera M, et al. (2024) Interrogation of RNA-bound proteome with XRNAX illuminates molecular alterations in the mouse brain affected with dysmyelination. *Cell reports*, 44(1), 115095.

Dubey M, et al. (2022) Myelination synchronizes cortical oscillations by consolidating parvalbumin-mediated phasic inhibition. *eLife*, 11.

Kole K, et al. (2022) Parvalbumin basket cell myelination accumulates axonal mitochondria to internodes. *Nature communications*, 13(1), 7598.

Wang R, et al. (2021) Traumatic brain injury does not disrupt costimulatory blockade-induced immunological tolerance to glial-restricted progenitor allografts. *Journal of neuroinflammation*, 18(1), 104.

Tsui YP, et al. (2021) Derivation of Oligodendrocyte Precursors from Adult Bone Marrow Stromal Cells for Remyelination Therapy. *Cells*, 10(8).

Kim KP, et al. (2021) Donor cell memory confers a metastable state of directly converted cells. *Cell stem cell*, 28(7), 1291.

Burns JC, et al. (2020) Differential accumulation of storage bodies with aging defines discrete subsets of microglia in the healthy brain. *eLife*, 9.

Windrem MS, et al. (2020) Human Glial Progenitor Cells Effectively Remyelinate the Demyelinated Adult Brain. *Cell reports*, 31(7), 107658.

Biswas S, et al. (2019) Development of glial restricted human neural stem cells for oligodendrocyte differentiation in vitro and in vivo. *Scientific reports*, 9(1), 9013.

Namchaiw P, et al. (2019) Temporal and partial inhibition of GLI1 in neural stem cells (NSCs) results in the early maturation of NSC derived oligodendrocytes in vitro. *Stem cell research & therapy*, 10(1), 272.

Joshi SS, et al. (2019) CD34 defines melanocyte stem cell subpopulations with distinct regenerative properties. *PLoS genetics*, 15(4), e1008034.

Shrager P, et al. (2017) Preferential conduction block of myelinated axons by nitric oxide. *Journal of neuroscience research*, 95(7), 1402.