

Resource Summary Report

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B6N.Cg-Tg(Pdgfra-cre/ERT)467Dbe/J

RRID:IMSR_JAX:018280

Type: Organism

Proper Citation

RRID:IMSR_JAX:018280

Organism Information

URL: <https://www.jax.org/strain/018280>

Proper Citation: RRID:IMSR_JAX:018280

Description: Mus musculus with name B6N.Cg-Tg(Pdgfra-cre/ERT)467Dbe/J from IMSR.

Species: Mus musculus

Synonyms: B6N;SJL-Tg(Pdgfra-cre/ERT)467Dbe/J

Notes: gene symbol note: platelet derived growth factor receptor; alpha polypeptide|transgene insertion 467; Dwight E Bergles|cre inducible estrogen receptor; mutant strain|congenic strain: Pdgfra|Tg(Pdgfra-cre/ERT)467Dbe|cre/ER

Affected Gene: platelet derived growth factor receptor; alpha polypeptide|transgene insertion 467; Dwight E Bergles|cre inducible estrogen receptor

Genomic Alteration: transgene insertion 467; Dwight E Bergles

Catalog Number: JAX:018280

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6N.Cg-Tg(Pdgfra-cre/ERT)467Dbe/J

Record Creation Time: 20250513T053737+0000

Record Last Update: 20260725T044445+0000

Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Tg(Pdgfra-cre/ERT)467Dbe/J.

No alerts have been found for B6N.Cg-Tg(Pdgfra-cre/ERT)467Dbe/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 65 mentions in open access literature.

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

Zawieja SD, et al. (2025) Cellular characterization of the mouse collecting lymphatic vessels reveals that lymphatic muscle cells are the innate pacemaker cells. *eLife*, 12.

Jeong HK, et al. (2025) Micro-scale control of oligodendrocyte morphology and myelination by the intellectual disability-linked protein acyltransferase ZDHHC9. *eLife*, 13.

Chen D, et al. (2025) Fibroblast bioelectric signaling drives hair growth. *Cell*.

Liu MC, et al. (2025) Choline transporters are required for oligodendrocyte differentiation and myelin sheath formation in mouse postnatal brain. *Cell reports*, 44(7), 115852.

Chen H, et al. (2025) Impaired macroautophagy in oligodendrocyte precursor cells suppresses neuronal plasticity via a senescence-associated signaling. *Science advances*, 11(39), eadq7665.

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.

Zhou M, et al. (2025) Ngn2 and Isl1-mediated astrocyte-to-neuron conversion in vivo promotes functional recovery after spinal cord injury. *Cell reports. Medicine*, 6(12), 102462.

Ren SY, et al. (2024) Growth hormone promotes myelin repair after chronic hypoxia via triggering pericyte-dependent angiogenesis. *Neuron*, 112(13), 2177.

Zhang L, et al. (2024) Regulation of muscle hypertrophy through granulin: Relayed communication among mesenchymal progenitors, macrophages, and satellite cells. *Cell reports*, 43(4), 114052.

Xu X, et al. (2024) Nzf2 promotes oligodendrocyte differentiation and regeneration via repressing HDAC1-mediated histone deacetylation. *Science advances*, 10(50), eadf8405.

Kang X, et al. (2024) Exercise-induced Musclin determines the fate of fibro-adipogenic progenitors to control muscle homeostasis. *Cell stem cell*, 31(2), 212.

Manesh SB, et al. (2024) Compensatory changes after spinal cord injury in a remyelination deficient mouse model. *Journal of neurochemistry*.

Huré JB, et al. (2024) Pharmacogenomic screening identifies and repurposes leucovorin and dyclonine as pro-oligodendrogenic compounds in brain repair. *Nature communications*, 15(1), 9837.

Nguyen PT, et al. (2024) Low intensity repetitive transcranial magnetic stimulation enhances remyelination by newborn and surviving oligodendrocytes in the cuprizone model of toxic demyelination. *Cellular and molecular life sciences : CMLS*, 81(1), 346.

Liu X, et al. (2023) AMP-activated protein kinase inhibition in fibro-adipogenic progenitors impairs muscle regeneration and increases fibrosis. *Journal of cachexia, sarcopenia and muscle*, 14(1), 479.

Barisas DAG, et al. (2023) Tumor-derived interleukin-1 β and leukemia inhibitory factor promote extramedullary hematopoiesis. *PLoS biology*, 21(5), e3001746.

de Almeida MMA, et al. (2023) Fractalkine enhances oligodendrocyte regeneration and remyelination in a demyelination mouse model. *Stem cell reports*, 18(2), 519.

Hoi KK, et al. (2023) Primary cilia control oligodendrocyte precursor cell proliferation in white matter injury via Hedgehog-independent CREB signaling. *Cell reports*, 42(10), 113272.

Wei H, et al. (2023) Organ function is preserved despite reorganization of niche architecture in the hair follicle. *Cell stem cell*, 30(7), 962.

Zhang T, et al. (2023) Autophagy collaborates with apoptosis pathways to control oligodendrocyte number. *Cell reports*, 42(8), 112943.