

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

B6C3F1/J

RRID:IMSR_JAX:100010

Type: Organism

Proper Citation

RRID:IMSR_JAX:100010

Organism Information

URL: <https://www.jax.org/strain/100010>

Proper Citation: RRID:IMSR_JAX:100010

Description: Mus musculus with name B6C3F1/J from IMSR.

Species: Mus musculus

Synonyms: (C57BL/6J x C3H/HeJ)F1/J

Notes: gene symbol note: ; unclassified:

Catalog Number: JAX:100010

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6C3F1/J

Record Creation Time: 20250513T053915+0000

Record Last Update: 20260815T050818+0000

Ratings and Alerts

No rating or validation information has been found for B6C3F1/J.

No alerts have been found for B6C3F1/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 98 mentions in open access literature.

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

Jati S, et al. (2026) AI guided discovery of a murine model of asymptomatic Alzheimer's disease. *Acta neuropathologica communications*, 14(1).

Cho E, et al. (2026) An Integrative Proteomic Approach to Reveal Altered Signaling Modules During Alzheimer's Disease Progression in PS19 Tauopathy Mice. *Molecular & cellular proteomics : MCP*, 25(6), 101580.

Bassiouni W, et al. (2026) M1 muscarinic receptor modulation drives sex-specific alterations of Alzheimer's pathophysiology in APPswe/PSEN1^{E9} mice. *The Journal of pharmacology and experimental therapeutics*, 104980.

So RWL, et al. (2026) Stochastic misfolding drives the emergence of distinct τ -synuclein strains. *Neuron*, 114(11), 1951.

Kim HB, et al. (2025) Inhibition of FAM19A5 reverses synaptic loss and cognitive decline in mouse models of Alzheimer's disease. *Alzheimer's research & therapy*, 17(1), 168.

Garza IT, et al. (2025) Preclinical Development of a Vectorized Artificial miRNA Gene Therapy for Tauopathies. *bioRxiv : the preprint server for biology*.

Fernández-Blanco Á, et al. (2025) Astrocytopathy Is Associated with CA1 Synaptic Dysfunction in a Mouse Model of Down Syndrome. *Cells*, 14(17).

Park S, et al. (2025) Distinct disruptions in CA1 and CA3 place cell function in Alzheimer's disease mice. *iScience*, 28(2), 111631.

Jati S, et al. (2025) Chromogranin A deficiency attenuates tauopathy by altering epinephrine-alpha-adrenergic receptor signaling in PS19 mice. *Nature communications*, 16(1), 4703.

Terrey M, et al. (2025) Alternating hemiplegia of childhood associated mutations in *Atp1a3* reveal diverse neurological alterations in mice. *Neurobiology of disease*, 212, 106954.

Cavanaugh KE, et al. (2025) A mechanical origin for implantation defects in embryos from aged females. *bioRxiv : the preprint server for biology*.

Adebowale A, et al. (2025) Adoptive NK cell transfer confers neuroprotection by attenuating neuroinflammation and alpha-synuclein pathology in a mouse model of synucleinopathy. *Molecular neurodegeneration advances*, 1(1), 6.

Jati S, et al. (2025) Boolean Network Modeling Identifies Cognitive Resilience in the First Murine Model of Asymptomatic Alzheimer's Disease. *bioRxiv : the preprint server for biology*.

Ibrahim KS, et al. (2025) Positive allosteric modulation of M1 mAChRs with VU0486846 reverses cognitive deficits in male APP^{swe}/PSEN1^{E9} alzheimer's mice. *Neuropharmacology*, 280, 110654.

Stykel MG, et al. (2025) G6PD deficiency triggers dopamine loss and the initiation of Parkinson's disease pathogenesis. *Cell reports*, 44(1), 115178.

Park YJ, et al. (2025) Distinct systemic impacts of A β 42 and Tau revealed by whole-organism snRNA-seq. *Neuron*, 113(13), 2065.

Angeles-Perez L, et al. (2025) Cerebellar contributions to tau-mediated cognitive and behavioral dysfunction. *Cell reports*, 44(8), 116036.

Hollis HC, et al. (2025) Reconstructed cell-type-specific rhythms in human brain link Alzheimer's pathology, circadian stress, and ribosomal disruption. *Neuron*, 113(17), 2822.

Park S, et al. (2024) Distinct Disruptions in CA1 and CA3 Place Cell Function in Alzheimer's Disease Mice. *bioRxiv : the preprint server for biology*.

Kelleher CP, et al. (2024) Long-range repulsion between chromosomes in mammalian oocyte spindles. *Science advances*, 10(39), eadq7540.