

Resource Summary Report

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

B6EiC3SnF1/J

RRID:IMSR_JAX:001875

Type: Organism

Proper Citation

RRID:IMSR_JAX:001875

Organism Information

URL: <https://www.jax.org/strain/001875>

Proper Citation: RRID:IMSR_JAX:001875

Description: Mus musculus with name B6EiC3SnF1/J from IMSR.

Species: Mus musculus

Synonyms: (C57BL/6JEi x C3H/HeSnJ)F1/J. B6EiC3SnF1-A/a. B6EiC3SnF1-a/A.
(C57BL/6JEiJ x C3H/HeSnJ)F1/J. B6EiC3SnF1/J A/a

Notes: gene symbol note: nonagouti; unclassified: a

Affected Gene: nonagouti

Catalog Number: JAX:001875

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6EiC3SnF1/J

Record Creation Time: 20250513T053628+0000

Record Last Update: 20260919T054816+0000

Ratings and Alerts

No rating or validation information has been found for B6EiC3SnF1/J.

No alerts have been found for B6EiC3SnF1/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Wolff SM, et al. (2025) Altered digit tip blastema differentiation and bone regeneration in skeletally mature Ts65Dn Down syndrome mice. *Bone*, 201, 117648.

Sherman KM, et al. (2025) Male Down syndrome Ts65Dn mice have impaired bone regeneration. *Bone*, 192, 117374.

D'Acunzo P, et al. (2024) Mitovesicles secreted into the extracellular space of brains with mitochondrial dysfunction impair synaptic plasticity. *Molecular neurodegeneration*, 19(1), 34.

Colombi I, et al. (2024) Heterogeneous subpopulations of GABAAR-responding neurons coexist across neuronal network scales and developmental stages in health and disease. *iScience*, 27(4), 109438.

Overk C, et al. (2023) Modeling Alzheimer's disease related phenotypes in the Ts65Dn mouse: impact of age on A β , Tau, pTau, NfL, and behavior. *Frontiers in neuroscience*, 17, 1202208.

Tramutola A, et al. (2023) Intranasal Administration of KYCCSRK Peptide Rescues Brain Insulin Signaling Activation and Reduces Alzheimer's Disease-like Neuropathology in a Mouse Model for Down Syndrome. *Antioxidants (Basel, Switzerland)*, 12(1).

Llambrich S, et al. (2022) Multimodal in vivo Imaging of the Integrated Postnatal Development of Brain and Skull and Its Co-modulation With Neurodevelopment in a Down Syndrome Mouse Model. *Frontiers in medicine*, 9, 815739.

Llambrich S, et al. (2022) Green Tea Catechins Modulate Skeletal Development with Effects Dependent on Dose, Time, and Structure in a down Syndrome Mouse Model. *Nutrients*, 14(19).

Mao X, et al. (2022) Glutaminase 2 knockdown reduces hyperammonemia and associated lethality of urea cycle disorder mouse model. *Journal of inherited metabolic disease*, 45(3), 470.

Pagnotta S, et al. (2022) CAPE and its synthetic derivative VP961 restore BACH1/NRF2 axis in Down Syndrome. *Free radical biology & medicine*, 183, 1.

Santamaria R, et al. (2022) Derivation of healthy hepatocyte-like cells from a female patient with ornithine transcarbamylase deficiency through X-inactivation selection.

Scientific reports, 12(1), 2308.

Jiang Y, et al. (2022) Preclinical and randomized clinical evaluation of the p38 γ kinase inhibitor neflamapimod for basal forebrain cholinergic degeneration. *Nature communications*, 13(1), 5308.

De Toma I, et al. (2021) Meta-analysis of transcriptomic data reveals clusters of consistently deregulated gene and disease ontologies in Down syndrome. *PLoS computational biology*, 17(9), e1009317.

Nalpas N, et al. (2021) An integrated workflow for enhanced taxonomic and functional coverage of the mouse fecal metaproteome. *Gut microbes*, 13(1), 1994836.

D'Acunzo P, et al. (2021) Mitovesicles are a novel population of extracellular vesicles of mitochondrial origin altered in Down syndrome. *Science advances*, 7(7).

Lanzillotta C, et al. (2021) Insulin resistance, oxidative stress and mitochondrial defects in Ts65dn mice brain: A harmful synergistic path in down syndrome. *Free radical biology & medicine*, 165, 152.

Bouzidi A, et al. (2020) Cytosolic serine hydroxymethyltransferase controls lung adenocarcinoma cells migratory ability by modulating AMP kinase activity. *Cell death & disease*, 11(11), 1012.

Victorino DB, et al. (2020) Quantitative Analysis of Retinal Structure and Function in Two Chromosomally Altered Mouse Models of Down Syndrome. *Investigative ophthalmology & visual science*, 61(5), 25.

Chaves JCS, et al. (2020) microRNAs expression correlates with levels of APP, DYRK1A, hyperphosphorylated Tau and BDNF in the hippocampus of a mouse model for Down syndrome during ageing. *Neuroscience letters*, 714, 134541.

Pinto B, et al. (2020) Rescuing Over-activated Microglia Restores Cognitive Performance in Juvenile Animals of the Dp(16) Mouse Model of Down Syndrome. *Neuron*, 108(5), 887.