Resource Summary Report

Generated by NIF on Sep 17, 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: 20260912T060413+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?, 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.

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.

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).

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? 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.