

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

B6C3F1

RRID:MGI:5649814

Type: Organism

Proper Citation

RRID:MGI:5649814

Organism Information

URL:

Proper Citation: RRID:MGI:5649814

Description: Strain Type: Not Specified This is a legacy resource.

Species: laboratory mouse

Notes: Strain Type: Not Specified This is a legacy resource.

Phenotype: (null)

Genomic Alteration: (null)

Catalog Number: 5649814

Background: (null)

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Not Available

Organism Name: B6C3F1

Record Creation Time: 20240120T185714+0000

Record Last Update: 20240131T154010+0000

Ratings and Alerts

No rating or validation information has been found for B6C3F1.

No alerts have been found for B6C3F1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 403 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Holec SAM, et al. (2025) Co-infection with two α -synuclein strains reveals novel synergistic interactions. *Acta neuropathologica*, 150(1), 50.

Xiao B, et al. (2025) Treadmill exercise in combination with acousto-optic and olfactory stimulation improves cognitive function in APP/PS1 mice through the brain-derived neurotrophic factor- and Cygb-associated signaling pathways. *Neural regeneration research*, 20(9), 2706.

Souder DC, et al. (2025) Neuron-specific isoform of PGC-1 β regulates neuronal metabolism and brain aging. *Nature communications*, 16(1), 2053.

Kamatani T, et al. (2025) iPSCs engrafted in allogeneic hosts without immunosuppression induce donor-specific tolerance to secondary allografts. *Proceedings of the National Academy of Sciences of the United States of America*, 122(11), e2413398122.

, et al. (2025) Re-assessment of the risks to public health related to the genotoxicity of styrene present in plastic food contact materials. *EFSA journal*. European Food Safety Authority, 23(6), e9473.

Monfaredan A, et al. (2025) Exosome Enveloped by Nano Lipid Particle a New Model for Signal Transducer and Activator of Transcription 3 Silencer Ribonucleic Acid Delivery System to a Glioblastoma Mice Model. *Cancers*, 17(10).

Sala S, et al. (2025) Investigating a Systematic and Widespread Misidentification in the Metabolic Profiling Literature: Phenylacetylglutamine and Phenylacetylglycine Signal Misassignment in Proton NMR Spectra of Human and Rodent Urine. *Analytical chemistry*, 97(43), 24126.

Kong W, et al. (2025) CENP-C-Mis12 complex establishes a regulatory loop through Aurora B for chromosome segregation. *Life science alliance*, 8(1).

Nolte T, et al. (2025) Animal and vegetal materials of mouse oocytes segregate at first zygotic cleavage: a simple mechanism that makes the two-cell blastomeres differ reciprocally from the start. *Molecular human reproduction*, 31(1).

Shimaoka K, et al. (2025) The microcephaly-associated transcriptional regulator AUTS2 cooperates with Polycomb complex PRC2 to produce upper-layer neurons in mice. *The EMBO journal*, 44(5), 1354.

Luo H, et al. (2025) PLIN2 Promotes Lipid Accumulation in Ascites-Associated Macrophages and Ovarian Cancer Progression by HIF1 α /SPP1 Signaling. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(12), e2411314.

Ikezu T, et al. (2025) Unique lipid cargoes in APOE4 human brain-derived extracellular vesicles recruit cell adhesion molecules and promote tauopathy in Alzheimer's disease. *Research square*.

Singh A, et al. (2025) A narrative review of metabolomics approaches in identifying biomarkers of doxorubicin-induced cardiotoxicity. *Metabolomics : Official journal of the Metabolomic Society*, 21(3), 68.

Kakinuma S, et al. (2025) Influence of age and sex on the relative biological effectiveness of 13-keV/m carbon ions for lifespan shortening of B6C3F1 Mice. *PloS one*, 20(9), e0332270.

Lin YF, et al. (2025) Loss of Inhibin Negative Feedback to Pituitary Gonadotropes Leads to Enhanced Ovulation but Pregnancy Failure in Mice. *Endocrinology*, 166(10).

Nazeen S, et al. (2025) NERINE reveals rare variant associations in gene networks across multiple phenotypes and implicates an SNCA-PRL-LRRK2 subnetwork in Parkinson's disease. *bioRxiv : the preprint server for biology*.

Boycott C, et al. (2025) AMPK-Dependent Epigenetic Regulation of Metabolism Mediates the Anti-Cancer Action of Pterostilbene in Hepatocellular Carcinoma. *Molecular nutrition & food research*, 69(23), e70217.

Holec SAM, et al. (2025) Evidence of a novel α -synuclein strain isolated from a Parkinson's disease with dementia patient sample. *Acta neuropathologica communications*, 13(1), 177.

Gollapudi BB, et al. (2025) Investigation of mutagenicity of styrene in tumor target and non-target tissues of transgenic Big Blue $\text{\textregistered}$ mice. *Environmental and molecular mutagenesis*, 66(1-2), 34.

Nguyen NDNT, et al. (2025) Post-exposure vaccine protection of CTH522/CAF $\text{\textregistered}$ 01 against reinfection with *Chlamydia trachomatis* requires Th1/Th17 but not Th2-immunity. *NPJ vaccines*, 10(1), 65.