

Resource Summary Report

Generated by [NIF](#) on Aug 4, 2026

C57BL/6

RRID:MGI:2159769

Type: Organism

Proper Citation

RRID:MGI:2159769

Organism Information

URL: <http://www.informatics.jax.org/strain/MGI:2159769>

Proper Citation: RRID:MGI:2159769

Description: laboratory mouse with name C57BL/6 from MGI.

Species: laboratory mouse

Notes: Strain Type: inbred strain

Catalog Number: 2159769

Database: Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Organism Name: C57BL/6

Record Creation Time: 20230227T022130+0000

Record Last Update: 20260801T212402+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6.

No alerts have been found for C57BL/6.

Data and Source Information

Source: [Integrated Animals](#)

Usage and Citation Metrics

We found 584 mentions in open access literature.

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

Di Pierro E, et al. (2026) New cases of γ -aminolevulinic acid dehydratase deficiency: Functional insights into gene variants using an innovative mouse liver model. *Journal of internal medicine*, 299(1), 126.

Patra M, et al. (2026) SIRT2 mitigates radiation-induced oral mucositis by promoting homologous recombination-mediated DNA double-strand break repair in epithelial stem cells. *Cancer letters*, 640, 218239.

Prida E, et al. (2026) Protocol for the injection of adenoviruses into brown adipose tissue in mice. *STAR protocols*, 7(1), 104338.

Formstone CJ, et al. (2026) A novel, PCP-dependent tissue organising principle coordinating morphogenesis between embryonic skin epidermal layers. *Journal of anatomy*.

Chen L, et al. (2025) Dimethyl fumarate modulates M1/M2 macrophage polarization to ameliorate periodontal destruction by increasing TUFM-mediated mitophagy. *International journal of oral science*, 17(1), 32.

Kim KU, et al. (2025) Protective effects of human breast milk-derived exosomes on inflammatory bowel disease through modulation of immune cells. *NPJ science of food*, 9(1), 34.

Kress T, et al. (2025) Solid-State NMR Spectroscopy Investigation of Structural Changes of Mechanically Strained Mouse Tail Tendons. *Journal of the American Chemical Society*, 147(11), 9220.

Brandão-Teles C, et al. (2025) Impacts of hnRNP A1 Splicing Inhibition on the Brain Remyelination Proteome. *Journal of neurochemistry*, 169(1), e16304.

Tyagi A, et al. (2025) Ghrelin-induced neuronal NPY promotes brain metastasis in lung cancer patients with low BMI. *Nature communications*, 16(1), 5608.

Deng J, et al. (2025) SOX9 Overexpression Ameliorates Metabolic Dysfunction-associated Steatohepatitis Through Activation of the AMPK Pathway. *Journal of clinical and translational hepatology*, 13(3), 189.

Vargas KJ, et al. (2025) γ -Synuclein interacts directly with AP2 and regulates its binding to synaptic membranes. *The Journal of biological chemistry*, 301(5), 108502.

Xu N, et al. (2025) Gestational and Lactational Exposure to BPS Triggers Microglial Ferroptosis via the SLC7A11/GPX4 Antioxidant Axis and Induces Memory Impairment in Offspring Mice. *International journal of molecular sciences*, 26(24).

Dan L, et al. (2025) Protective role of ginsenoside Rg1 in the dynamic progression of liver injury to fibrosis: a preclinical meta-analysis. *Frontiers in pharmacology*, 16, 1512184.

Ma YY, et al. (2025) Irreversible electroporation combined with anti-programmed cell death protein 1 therapy promotes tumor antigen-specific CD8⁺ T cell response. *World journal of gastrointestinal oncology*, 17(3), 101991.

Binoy A, et al. (2025) A Click Chemistry-Based Biorthogonal Approach for the Detection and Identification of Protein Lysine Malonylation for Osteoarthritis Research. *ACS bio & med chem Au*, 5(4), 582.

Hazir B, et al. (2025) Administration of adipose tissue-derived mesenchymal stem cells and bone marrow-derived mesenchymal stem cells in anosmic mice. *Turkish journal of medical sciences*, 55(3), 792.

Zampieri TT, et al. (2025) Exposure to γ -hydroxybutyrate reduces the operating set point and increases excitability in hippocampal circuitry of healthy mice. *Frontiers in pharmacology*, 16, 1557612.

Yang Z, et al. (2025) Mitochondrial Network Fragmentation Leads to Dysfunction of Macrophages During *Echinococcus multilocularis* Protoscoleces Infection. *Pathogens (Basel, Switzerland)*, 14(11).

Qi W, et al. (2025) Causal Relationship Between Circulating Metabolites and Sarcopenia-Related Traits: A Mendelian Randomization and Experimental Study. *Food science & nutrition*, 13(1), e4624.

Tang B, et al. (2025) Dexmedetomidine Reduces Presynaptic γ -Aminobutyric Acid Release and Prolongs Postsynaptic Responses in Layer 5 Pyramidal Neurons in the Primary Somatosensory Cortex of Mice. *International journal of molecular sciences*, 26(5).