

Resource Summary Report

Generated by [NIF](#) on Aug 22, 2026

either: (involves: BALB/cJ * C57BL/6J) or (involves: C3H/HeN * C57BL/6J) or (C57BL/6J * DBA/2J) or (involves: C57BL/6J * FVB/NJ) or (involves: C57BL/6J * NOD/ShiLtJ)

RRID:MGI:5657312

Type: Organism

Proper Citation

RRID:MGI:5657312

Organism Information

URL:

Proper Citation: RRID:MGI:5657312

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

Species: laboratory mouse

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

Catalog Number: 5657312

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Organism Name: either: (involves: BALB/cJ * C57BL/6J) or (involves: C3H/HeN * C57BL/6J) or (C57BL/6J * DBA/2J) or (involves: C57BL/6J * FVB/NJ) or (involves: C57BL/6J * NOD/ShiLtJ)

Record Creation Time: 20240120T185952+0000

Record Last Update: 20240130T201631+0000

Ratings and Alerts

No rating or validation information has been found for either: (involves: BALB/cJ * C57BL/6J) or (involves: C3H/HeN * C57BL/6J) or (C57BL/6J * DBA/2J) or (involves: C57BL/6J * FVB/NJ) or (involves: C57BL/6J * NOD/ShiLtJ).

No alerts have been found for either: (involves: BALB/cJ * C57BL/6J) or (involves: C3H/HeN * C57BL/6J) or (C57BL/6J * DBA/2J) or (involves: C57BL/6J * FVB/NJ) or (involves: C57BL/6J * NOD/ShiLtJ).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Saponaro C, et al. (2026) Metabolic state determines the brain and direct islet effects of liraglutide on enhanced insulin secretion. *Diabetologia*, 69(9), 2534.

Xie Y, et al. (2025) Inhibition of Mettl3 alleviates low-dose cisplatin-induced renal fibrosis and enhances the chemotherapeutic efficacy in mouse models of cancer. *International journal of biological sciences*, 21(10), 4293.

Cotellessa L, et al. (2025) Preventing and correcting polycystic ovary syndrome by targeting anti-Müllerian hormone signaling in minipuberty and adulthood in mice. *Cell metabolism*, 37(6), 1260.

Hu Y, et al. (2022) Expression pattern of NLRC5 in the postnatal mouse brain. *Acta histochemica*, 124(7), 151939.

Scaricamazza S, et al. (2022) Repurposing of Trimetazidine for amyotrophic lateral sclerosis: A study in SOD1G93A mice. *British journal of pharmacology*, 179(8), 1732.

Li X, et al. (2022) DsbA-L interacts with VDAC1 in mitochondrion-mediated tubular cell apoptosis and contributes to the progression of acute kidney disease. *EBioMedicine*, 76, 103859.

Li J, et al. (2022) Mechanism of Stat1 in the neuronal Ca²⁺ overload after intracerebral hemorrhage via the H3K27ac/Trpm7 axis. *Journal of neurophysiology*, 128(1), 253.

Li H, et al. (2022) Interleukin-18 mediated inflammatory brain injury after intracerebral hemorrhage in male mice. *Journal of neuroscience research*, 100(6), 1359.

Delgado-Calle J, et al. (2022) The Notch pathway regulates the bone gain induced by PTH anabolic signaling. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 36(3), e22196.

Imbernon M, et al. (2022) Tanycytes control hypothalamic liraglutide uptake and its anti-obesity actions. *Cell metabolism*, 34(7), 1054.

Mattila SO, et al. (2021) GPR37 is processed in the N-terminal ectodomain by ADAM10 and furin. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(6), e21654.

Dai XX, et al. (2021) CNOT6/6L-mediated mRNA degradation in ovarian granulosa cells is a key mechanism of gonadotropin-triggered follicle development. *Cell reports*, 37(7), 110007.

Brown ML, et al. (2021) FSTL3-Neutralizing Antibodies Enhance Glucose-Responsive Insulin Secretion in Dysfunctional Male Mouse and Human Islets. *Endocrinology*, 162(10).

Libbrecht S, et al. (2021) Chronic chemogenetic stimulation of the anterior olfactory nucleus reduces newborn neuron survival in the adult mouse olfactory bulb. *Journal of neurochemistry*, 158(5), 1186.

Amini-Farsani Z, et al. (2020) The impact of miR-183/182/96 gene regulation on the maturation, survival, and function of photoreceptor cells in the retina. *The Journal of comparative neurology*, 528(9), 1616.

Hu Y, et al. (2020) MiR34a Regulates Neuronal MHC Class I Molecules and Promotes Primary Hippocampal Neuron Dendritic Growth and Branching. *Frontiers in cellular neuroscience*, 14, 573208.

Li P, et al. (2020) Neuronal NLRC5 regulates MHC class I expression in Neuro-2a cells and also during hippocampal development. *Journal of neurochemistry*, 152(2), 182.

Dos Santos RS, et al. (2020) Involvement of the Hsp70/TLR4/IL-6 and TNF- α pathways in delayed-onset muscle soreness. *Journal of neurochemistry*, 155(1), 29.

Schwiebs A, et al. (2020) The virtually mature B-type natriuretic peptide (BNP1-32) is a precursor for the more effective BNP1-30. *British journal of pharmacology*, 177(6), 1424.

Leinonen H, et al. (2020) Homeostatic plasticity in the retina is associated with maintenance of night vision during retinal degenerative disease. *eLife*, 9.