

Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

C57BL/6JJmsSlc

RRID:MGI:5488963

Type: Organism

Proper Citation

RRID:MGI:5488963

Organism Information

URL: <http://www.informatics.jax.org/strain/MGI:5488963>

Proper Citation: RRID:MGI:5488963

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

Species: laboratory mouse

Notes: Strain Type: inbred strain

Catalog Number: 5488963

Database: Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Organism Name: C57BL/6JJmsSlc

Record Creation Time: 20230227T022158+0000

Record Last Update: 20260815T205058+0000

Ratings and Alerts

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

No alerts have been found for C57BL/6JJmsSlc.

Data and Source Information

Source: [Integrated Animals](#)

Usage and Citation Metrics

We found 145 mentions in open access literature.

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

Nishigori M, et al. (2026) Stress-induced OMA1-mediated cleavage of AIFM1 suppresses cell growth by controlling mitochondrial OXPHOS activity. *The EMBO journal*, 45(11), 3655.

Kishida K, et al. (2026) Immune-induced TCR-like antibodies regulate specific T cell response in mice. *Nature communications*, 17(1).

Lkhagvadorj K, et al. (2026) Optimizing CRISPR precision in mouse embryos via microhomology-mediated end joining-dominant targeting. *Communications biology*, 9(1).

Miyake N, et al. (2026) In vitro differentiation of the hypothalamic KNDy neuron, a master regulator for reproduction, from mouse embryonic stem cells. *Reproductive biology and endocrinology : RB&E*, 24(1).

Mihara T, et al. (2026) The role of the $\alpha 7$ nicotinic acetylcholine receptor in promoting M2 macrophage polarization at inflammatory sites. *Scientific reports*, 16(1), 5267.

Orba Y, et al. (2025) Spatial gene expression analysis reveals pathological niches in Japanese encephalitis virus neuroinvasion. *Proceedings of the National Academy of Sciences of the United States of America*, 122(43), e2515006122.

Egorova D, et al. (2025) Microglial depletion increases aggrecan and hyaluronan levels in the diffuse and aggregated extracellular matrix of the mouse brain. *Scientific reports*, 15(1), 9376.

Rahmawati NY, et al. (2025) Luminescent mouse model of endometriosis: three-dimensional morphology of lesions and cytokine profiles. *Experimental animals*, 74(4), 419.

Mihara T, et al. (2025) Pemigatinib suppresses liver fibrosis and subsequent osteodystrophy in mice. *Hepatology communications*, 9(1).

Hiyoshi K, et al. (2025) Modulation of social valence by insular cortex activity during acute social isolation in mice. *Molecular brain*, 18(1), 62.

Homma K, et al. (2025) CKD-Induced Oxidative Twitch Muscle Atrophy Is Mediated by TGF- β . *Kidney360*, 6(9), 1438.

Nishitani N, et al. (2025) Medial nucleus accumbens dopamine receptors modulate motivation for wheel running in male mice. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(13), 1982.

Ikawa T, et al. (2025) Impact of Hyaluronic Acid on the Cutaneous T-Cell Lymphoma Microenvironment: A Novel Anti-Tumor Mechanism of Bexarotene. *Cancers*, 17(2).

Ikeda J, et al. (2025) Metabolic reprogramming by PRDM16 drives cytarabine resistance in acute myeloid leukemia. *Haematologica*, 110(11), 2647.

Uno H, et al. (2025) Inhibition of repulsive guidance molecule A ameliorates diabetes-induced cognitive decline and hippocampal neurogenesis impairment in mice. *Communications biology*, 8(1), 263.

Kobayashi M, et al. (2025) SARS-CoV-2 infection primes cross-protective respiratory IgA in a MyD88- and MAVS-dependent manner. *NPJ vaccines*, 10(1), 40.

Tanaka H, et al. (2025) A Post-Encapsulation Method for the Preparation of mRNA-LNPs via the Nucleic Acid-Bridged Fusion of mRNA-Free LNPs. *Nano letters*, 25(16), 6445.

Ichimura T, et al. (2025) Volumetric trans-scale imaging of massive quantity of heterogeneous cell populations in centimeter-wide tissue and embryo. *eLife*, 13.

Nakazawa N, et al. (2025) PIEZO1-dependent mode switch of neuronal migration in heterogeneous microenvironments in the developing brain. *Cell reports*, 44(3), 115405.

Takahashi M, et al. (2025) A pan-immunotherapy signature to predict intratumoral CD8+ T cell expansions. *Nature communications*, 16(1), 9175.