Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 5, 2025

C57L/J

RRID:IMSR_JAX:000668
Type: Organism

Proper Citation

RRID:IMSR_JAX:000668

Organism Information

URL: https://www.jax.org/strain/000668

Proper Citation: RRID:IMSR_JAX:000668

Description: Mus musculus with name C57L/J from IMSR.

Species: Mus musculus

Synonyms: C57 Leaden. L. leaden

Notes: gene symbol note: MX dynamin-like GTPase 1|beta-2 microglobulin|obesity QTL 3|aryl-hydrocarbon receptor|resistance to MCF virus|cytochrome c oxidase subunit 7A2 like|hemoglobin beta chain complex|cadherin related 23 (otocadherin)|obesity QTL 4|melanophilin; inbred strain: Mx1|B2m|Obq3|Ahr|Rmcf|Cox7a2l|Hbb|Cdh23|Obq4|Mlph

Affected Gene: MX dynamin-like GTPase 1|beta-2 microglobulin|obesity QTL 3|aryl-hydrocarbon receptor|resistance to MCF virus|cytochrome c oxidase subunit 7A2 like|hemoglobin beta chain complex|cadherin related 23 (otocadherin)|obesity QTL 4|melanophilin

Genomic Alteration: myxovirus susceptibility 1|b variant|C57L/J|b-1 variant|MCF sensitive|long|single|age related hearing loss 1|C57L/J|leaden

Catalog Number: JAX:000668

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:668

Organism Name: C57L/J

Record Creation Time: 20230509T193230+0000

Record Last Update: 20240104T174718+0000

Ratings and Alerts

No rating or validation information has been found for C57L/J.

No alerts have been found for C57L/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 64 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Reed C, et al. (2024) Does tolerance to ethanol-induced ataxia explain the sensitized response to ethanol? Frontiers in psychiatry, 15, 1418490.

Beach T, et al. (2024) Delayed effects of radiation exposure in a C57L/J mouse model of partial body irradiation with ~2.5% bone marrow shielding. Frontiers in public health, 12, 1349552.

Chen Z, et al. (2024) Neuronal-enriched small extracellular vesicles trigger a PD-L1-mediated broad suppression of T cells in Parkinson's disease. iScience, 27(7), 110243.

Wang Z, et al. (2023) Twelve-week treadmill endurance training in mice is associated with upregulation of interleukin-15 and natural killer cell activation and increases apoptosis rate in Hepa1-6 cell-derived mouse hepatomas. Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas, 56, e12296.

Torres-Gonzalez M, et al. (2023) Whole-Milk Dairy Foods: Biological Mechanisms Underlying Beneficial Effects on Risk Markers for Cardiometabolic Health. Advances in nutrition (Bethesda, Md.), 14(6), 1523.

Abston E, et al. (2023) Noninvasive Quantification of Radiation-Induced Lung Injury using a Targeted Molecular Imaging Probe. medRxiv : the preprint server for health sciences.

Liang Y, et al. (2023) Systemic delivery of glycosylated-PEG-masked oncolytic virus enhances targeting of antitumor immuno-virotherapy and modulates T and NK cell infiltration. Theranostics, 13(15), 5452.

He W, et al. (2023) Single-cell transcriptomics of hepatic stellate cells uncover crucial pathways and key regulators involved in non-alcoholic steatohepatitis. Endocrine connections, 12(2).

Oestereicher MA, et al. (2023) Comprehensive ECG reference intervals in C57BL/6N substrains provide a generalizable guide for cardiac electrophysiology studies in mice. Mammalian genome : official journal of the International Mammalian Genome Society, 34(2), 180.

Zhao K, et al. (2023) Functional hierarchy among different Rab27 effectors involved in secretory granule exocytosis. eLife, 12.

Khan AH, et al. (2023) Genetic pathways regulating the longitudinal acquisition of cocaine self-administration in a panel of inbred and recombinant inbred mice. Cell reports, 42(8), 112856.

Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. Cell reports, 38(2), 110231.

Raman V, et al. (2021) Intracellular delivery of protein drugs with an autonomously lysing bacterial system reduces tumor growth and metastases. Nature communications, 12(1), 6116.

Wang Y, et al. (2021) Histone citrullination by PADI4 is required for HIF-dependent transcriptional responses to hypoxia and tumor vascularization. Science advances, 7(35).

Zhao Z, et al. (2021) Autoimmune experimental orchitis and chronic glomerulonephritis with end stage renal disease are controlled by Cgnz1 for susceptibility to end organ damage. Clinical immunology (Orlando, Fla.), 224, 108675.

Alcaraz WA, et al. (2020) Strain-Dependent Modifier Genes Determine Survival in Zfp423 Mice. G3 (Bethesda, Md.), 10(11), 4241.

Sabirzhanov B, et al. (2020) Down-Regulation of miR-23a-3p Mediates Irradiation-Induced Neuronal Apoptosis. International journal of molecular sciences, 21(10).

Pandit H, et al. (2020) Carcinogenetic initiation contributed by EpCAM+ cancer cells in

orthotopic HCC models of immunocompetent and athymic mice. Oncotarget, 11(22), 2047.

Granados JZ, et al. (2020) Activated whole-body arginine pathway in high-active mice. PloS one, 15(6), e0235095.

Cunningham CL, et al. (2019) Genetic Relationships Between Ethanol-Induced Conditioned Place Aversion and Other Ethanol Phenotypes in 15 Inbred Mouse Strains. Brain sciences, 9(8).