Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

Mutant Mouse Resource and Research Center - Jackson Laboratory

RRID:SCR_016446
Type: Tool

Proper Citation

Mutant Mouse Resource and Research Center - Jackson Laboratory (RRID:SCR_016446)

Resource Information

URL: http://www.jax.org/mmrrc/

Proper Citation: Mutant Mouse Resource and Research Center - Jackson Laboratory (RRID:SCR_016446)

Description: Center for mutant mouse research and distribution. The objectives of the JAX MMRRC are to: identify and evaluate biomedically-significant mice, import/acquire and archive mouse strains, distribute mouse strains, and operate a control program to ensure genetic stability.

Abbreviations: MMRRC JAX, JAX MMRRC, JAX MMR

Synonyms: JAX Mutant Mouse Resource and Research Center, Mutant Mouse Resource and Research Center - JAX, Jackson Laboratory MMRRC, Jackson Laboratory Mutant Mouse Resource and Research Center

Resource Type: material resource, biomaterial supply resource

Keywords: mouse, mutation, clinical, research, biomedicine, genetics, gene, strain

Funding: NIH Office of the Director U42 OD010921

Resource Name: Mutant Mouse Resource and Research Center - Jackson Laboratory

Resource ID: SCR_016446

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260810T040658+0000

Ratings and Alerts

No rating or validation information has been found for Mutant Mouse Resource and Research Center - Jackson Laboratory.

No alerts have been found for Mutant Mouse Resource and Research Center - Jackson Laboratory.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Agca Y, et al. (2024) The mutant mouse resource and research center (MMRRC) consortium: the US-based public mouse repository system. Mammalian genome : official journal of the International Mammalian Genome Society, 35(4), 524.

Amos-Landgraf J, et al. (2022) The Mutant Mouse Resource and Research Center (MMRRC): the NIH-supported National Public Repository and Distribution Archive of Mutant Mouse Models in the USA. Mammalian genome : official journal of the International Mammalian Genome Society, 33(1), 203.

Ortmann D, et al. (2020) Naive Pluripotent Stem Cells Exhibit Phenotypic Variability that Is Driven by Genetic Variation. Cell stem cell, 27(3), 470.

Sigmon JS, et al. (2020) Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. Genetics, 216(4), 905.

Skelly DA, et al. (2020) Mapping the Effects of Genetic Variation on Chromatin State and Gene Expression Reveals Loci That Control Ground State Pluripotency. Cell stem cell, 27(3), 459.

Goodwin LO, et al. (2019) Large-scale discovery of mouse transgenic integration sites reveals frequent structural variation and insertional mutagenesis. Genome research, 29(3), 494.

Sarsani VK, et al. (2019) The Genome of C57BL/6J "Eve", the Mother of the Laboratory Mouse Genome Reference Strain. G3 (Bethesda, Md.), 9(6), 1795.

Geuther BQ, et al. (2019) Robust mouse tracking in complex environments using neural networks. Communications biology, 2, 124.

Shimell JJ, et al. (2019) The X-Linked Intellectual Disability Gene Zdhhc9 Is Essential for Dendrite Outgrowth and Inhibitory Synapse Formation. Cell reports, 29(8), 2422.

Zeiss CJ, et al. (2019) Doxorubicin-Induced Cardiotoxicity in Collaborative Cross (CC) Mice Recapitulates Individual Cardiotoxicity in Humans. G3 (Bethesda, Md.), 9(8), 2637.

Montonye DR, et al. (2018) Acclimation and Institutionalization of the Mouse Microbiota Following Transportation. Frontiers in microbiology, 9, 1085.

Lilue J, et al. (2018) Sixteen diverse laboratory mouse reference genomes define strain-specific haplotypes and novel functional loci. Nature genetics, 50(11), 1574.

Racine JJ, et al. (2018) Improved Murine MHC-Deficient HLA Transgenic NOD Mouse Models for Type 1 Diabetes Therapy Development. Diabetes, 67(5), 923.

Willmann R, et al. (2017) Improving Reproducibility of Phenotypic Assessments in the DyW Mouse Model of Laminin-??2 Related Congenital Muscular Dystrophy. Journal of neuromuscular diseases, 4(2), 115.

Peterson KA, et al. (2017) CRISPRtools: a flexible computational platform for performing CRISPR/Cas9 experiments in the mouse. Mammalian genome : official journal of the International Mammalian Genome Society, 28(7-8), 283.

Liu ET, et al. (2017) Of mice and CRISPR: The post-CRISPR future of the mouse as a model system for the human condition. EMBO reports, 18(2), 187.

Lutz C, et al. (2017) A license to cure? Lab animal, 46(4), 162.

Manolio TA, et al. (2017) Bedside Back to Bench: Building Bridges between Basic and Clinical Genomic Research. Cell, 169(1), 6.

Lloyd K, et al. (2015) Reproducibility: use mouse biobanks or lose them. Nature, 522(7555), 151.

Czechanski A, et al. (2014) Derivation and characterization of mouse embryonic stem cells from permissive and nonpermissive strains. Nature protocols, 9(3), 559.