Mouse Genome Informatics (MGI)
RRID:SCR_006460
Type: Tool

Proper Citation

Mouse Genome Informatics (MGI) (RRID:SCR_006460)

Resource Information

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

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Description: International database for laboratory mouse. Data offered by The Jackson Laboratory includes information on integrated genetic, genomic, and biological data. MGI creates and maintains integrated representation of mouse genetic, genomic, expression, and phenotype data and develops reference data set and consensus data views, synthesizes comparative genomic data between mouse and other mammals, maintains set of links and collaborations with other bioinformatics resources, develops and supports analysis and data submission tools, and provides technical support for database users. Projects contributing to this resource are: Mouse Genome Database (MGD) Project, Gene Expression Database (GXD) Project, Mouse Tumor Biology (MTB) Database Project, Gene Ontology (GO) Project at MGI, and MouseCyc Project at MGI.

Abbreviations: MGI

Synonyms: MGI, Mouse Genome Informatics,

Resource Type: data or information resource, database

Defining Citation: PMID:19274630, PMID:18428715

Keywords: RIN, Resource Information Network, molecular neuroanatomy resource, human health, human disease, animal model, gene expression, phenotype, genotype, gene, pathway, orthology, tumor, strain, single nucleotide polymorphism, recombinase, function, blast, image, pathology, model, data analysis service, genome, genetics, gold standard

Funding Agency: NHGRI, NHGRI, NICHD, NCI
**Availability:** Free, Freely available

**Resource Name:** Mouse Genome Informatics (MGI)

**Resource ID:** SCR_006460

**Alternate IDs:** nif-0000-00096, OMICS_01656


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### Ratings and Alerts

No rating or validation information has been found for Mouse Genome Informatics (MGI).

No alerts have been found for Mouse Genome Informatics (MGI).

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### Data and Source Information

**Source:** [SciCrunch Registry](#)

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### Usage and Citation Metrics

We found 987 mentions in open access literature.

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

Chen X, et al. (2023) Immunoglobulin G subclasses confer protection against Staphylococcus aureus bloodstream dissemination through distinct mechanisms in mouse models. Proceedings of the National Academy of Sciences of the United States of America, 120(14), e2220765120.

Šimon M, et al. (2023) Genome-wide screening for genetic variants in polyadenylation signal (PAS) sites in mouse selection lines for fatness and leanness. Mammalian genome : official journal of the International Mammalian Genome Society, 34(1), 12.


Sun B, et al. (2023) Gene therapy targeting miR-212-3p exerts therapeutic effects on MAFLD similar to those of exercise. International journal of molecular medicine, 51(2).


Smith ML, et al. (2023) Identification of candidate genes for nicotine withdrawal in C57BL/6J×DBA/2J recombinant inbred mice. Genes, brain, and behavior, 22(2), e12844.


Governa V, et al. (2022) Landscape of surfaceome and endocytome in human glioma is divergent and depends on cellular spatial organization. Proceedings of the National Academy of Sciences of the United States of America, 119(9).

Chanpaisaeng K, et al. (2022) Diet X Gene Interactions Control Femoral Bone Adaptation to Low Dietary Calcium. JBMR plus, 6(9), e10668.

Swierkowska J, et al. (2022) Decreased Levels of DNA Methylation in the PCDHA Gene
Cluster as a Risk Factor for Early-Onset High Myopia in Young Children. Investigative ophthalmology & visual science, 63(9), 31.