Rat Genome Database (RGD)

RRID:SCR_006444
Type: Tool

Proper Citation

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Resource Information

URL: http://rgd.mcw.edu

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Description: Database for genetic, genomic, phenotype, and disease data generated from rat research. Centralized database that collects, manages, and distributes data generated from rat genetic and genomic research and makes these data available to scientific community. Curation of mapped positions for quantitative trait loci, known mutations and other phenotypic data is provided. Facilitates investigators research efforts by providing tools to search, mine, and analyze this data. Strain reports include description of strain origin, disease, phenotype, genetics, immunology, behavior with links to related genes, QTLs, substrains, and strain sources.

Abbreviations: RGD

Synonyms: Rat Genome Database, RGD,

Resource Type: storage service resource, data or information resource, database, data repository, service resource

Defining Citation: PMID:23434633, PMID:18996890, PMID:17151068

Keywords: RIN, Resource Information Network, mouse, rat, human, gene, qtl, marker, map, strain, sequence, est, genome, ontology, pathway, comparative genomics, physiology, phenotype, disease, model organism, proteomics, function, genetic, genomic, variation, immunology, behavior, knockout, inbred rat strain, mutant, congenic rat, recombinant inbred rat, data analysis service, organism supplier, genotype, gold standard, FASEB list

Funding Agency: NHLBI
**Availability:** Free, Freely available

**Resource Name:** Rat Genome Database (RGD)

**Resource ID:** SCR_006444

**Alternate IDs:** nif-0000-00134, OMICS_01660

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**Ratings and Alerts**

No rating or validation information has been found for Rat Genome Database (RGD).

No alerts have been found for Rat Genome Database (RGD).

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**Data and Source Information**

**Source:** [SciCrunch Registry](https://www.scicrunch.org)

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**Usage and Citation Metrics**

We found 261 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](https://www.rrid.org/).

Barratt KS, et al. (2023) 35th International Mammalian Genome Conference: meeting overview. Mammalian genome : official journal of the International Mammalian Genome Society, 1.


Kuramoto T, et al. (2023) Positional cloning of rat mutant genes reveals new functions of these genes. Experimental animals, 72(1), 1.

Duderstadt EL, et al. (2023) Rat Mammary carcinoma susceptibility 3 (Mcs3) pleiotropy, socioenvironmental interaction, and comparative genomics with orthologous human 15q25.1-25.2. G3 (Bethesda, Md.), 13(1).


Wu SF, et al. (2022) Mitochondrial Transplantation Moderately Ameliorates Retinal Degeneration in Royal College of Surgeons Rats. Biomedicines, 10(11).


Anjos PAR, et al. (2022) The influence of chromosome 4 on high ethanol consumption and blood pressure. Alcohol (Fayetteville, N.Y.), 102, 1.


Kaldunski ML, et al. (2021) The Rat Genome Database (RGD) facilitates genomic and phenotypic data integration across multiple species for biomedical research. Mammalian genome : official journal of the International Mammalian Genome Society.

