

Resource Summary Report

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MRB - Mouse Resource Browser

RRID:SCR_005961

Type: Tool

Proper Citation

MRB - Mouse Resource Browser (RRID:SCR_005961)

Resource Information

URL: <http://bioit.fleming.gr/mrb/>

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Description: Dynamic and interactive view of 222 world wide available mouse resources, classified in 22 categories. The massive generation of data has led to the propagation of mouse resources and databases and the concomitant need for formalized experimental descriptions, data standardization and database interoperability and integration. In this context and with these goals, information is collected through an online questionnaire and/or manual curation. All mouse resource data in MRB are broken up in four sections and presented in four tabs: * The General section/tab contains information such as URL(s), contact information, database description and categorization and related links. * The Ontologies & Standards tab indicates controlled vocabularies and data representation standards adopted by each resource, such as ontologies and minimum information standards. A hyperlink to an index of OBO and non-OBO ontologies can be found here; an index of minimum information standards can be found here. * The Technical tab holds technical information for each resource such as the server technology used, relational database management system(s) utilized, programming language(s) of implementation, schema descriptive documents or actual database dumps and most importantly information on each resource's programmatic access, the integration and interoperability services. Additionally and through the integration with Molgenis, MRB is capable of generating a SOAP API for hosted resources. * The final section on Database Description Framework (DDF) Criteria, describes the compliance of each resource to the CASIMIR database criteria, which aim to capture key technical data about a database in a formal framework. All data in MRB are freely available to interested users through downloadable weekly database dumps. Programmatic access to some of MRB's data is feasible via MRB's SOAP web service. MRB is the front end of a relational, fully normalized PostgreSQL database. The source code is available under the GNU general public license (GPL) as a binary download and via cvs.

Abbreviations: MRB

Synonyms: Mouse Resource Browser (MRB), Mouse Resource Browser

Resource Type: source code, web service, software resource, registry, data access protocol, database, data or information resource

Keywords: registry, experimental description, data standardization, database interoperability, integration, minimum information standard, ontology, standard

Funding: European Union LSHG-CT-2006-037811

Availability: Free, Source code is available under the GNU general public license., The community can contribute to this resource

Resource Name: MRB - Mouse Resource Browser

Resource ID: SCR_005961

Alternate IDs: nlx_151623

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260805T044129+0000

Ratings and Alerts

No rating or validation information has been found for MRB - Mouse Resource Browser.

No alerts have been found for MRB - Mouse Resource Browser.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Kim H, et al. (2018) Mouse Cre-LoxP system: general principles to determine tissue-specific roles of target genes. Laboratory animal research, 34(4), 147.

Zouberakis M, et al. (2010) Mouse Resource Browser--a database of mouse databases. Database : the journal of biological databases and curation, 2010, baq010.