

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

MIRIAM Resources

RRID:SCR_006697

Type: Tool

Proper Citation

MIRIAM Resources (RRID:SCR_006697)

Resource Information

URL: <http://www.ebi.ac.uk/miriam/>

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Description: A set of online services created in support of MIRIAM, a set of guidelines for the annotation and curation of computational models. The core of MIRIAM Resources is a catalogue of data types (namespaces corresponding to controlled vocabularies or databases), their URIs and the corresponding physical URLs or resources. Access to this data is made available via exports (XML) and Web Services (SOAP). MIRIAM Resources are developed and maintained under the BioModels.net initiative, and are free for use by all. MIRIAM Resources are composed of four components: a database, some Web Services, a Java library and this web application. * Database: The core of the system is a MySQL database. It allows us to store the data types (which can be controlled vocabularies or databases), their URIs and the corresponding physical URLs, and other details such as documentation and resource identifier patterns. Each entry contains a diverse set of details about the data type: official name and synonyms, root URI, pattern of identifiers, documentation, etc. Moreover, each data type can be associated with several resources (or physical locations). * Web Services: Programmatic access to the data is available via Web Services (based on Apache Axis and SOAP messages). In addition, REST-based services are currently being developed. This API allows one to not only resolve model annotations, but also to generate appropriate URIs, based upon the provision of a resource name and accession number. A list of available web services, and a WSDL are provided. A browser-based online demonstration of the Web Services is also available to try. * Java Library: A Java library is provided to access the Web Services. The documentation explains where to download it, its dependencies, and how to use it. * Web Application: A Web application, using an Apache Tomcat server, offers access to the whole data set via a Web browser. It is possible to browse by data type names as well as browse by tags. A search engine is also provided.

Synonyms: MIRIAM Registry

Resource Type: data or information resource, standard specification, web service, narrative resource, catalog, software resource, data access protocol, database

Defining Citation: [PMID:22140103](#), [PMID:18078503](#)

Keywords: life science, bio.tools

Availability: Free

Resource Name: MIRIAM Resources

Resource ID: SCR_006697

Alternate IDs: nlx_69582, biotools:miriam

Alternate URLs: <https://bio.tools/miriam>

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260808T185848+0000

Ratings and Alerts

No rating or validation information has been found for MIRIAM Resources.

No alerts have been found for MIRIAM Resources.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Viennas E, et al. (2017) Expanded national database collection and data coverage in the FINDbase worldwide database for clinically relevant genomic variation allele frequencies. Nucleic acids research, 45(D1), D846.