

Resource Summary Report

Generated by SPARC SAWG on Aug 7, 2026

Machado

RRID:SCR_018428

Type: Tool

Proper Citation

Machado (RRID:SCR_018428)

Resource Information

URL: <https://github.com/lmb-embrapa/machado>

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Description: Software tool as framework to store, search and visualize biological data. Django instance provides data management, visualization, and searching functionalities to Chado databases. Resulting object-relational framework enables users, not only to set up local instance containing data regarding their organisms of interest, but also to develop all sorts of tools by accessing open source code.

Resource Type: software resource, data access protocol, application programming interface, web service, data or information resource

Keywords: Python, genomics, data, framework, data visualization, data management, Chado database, bio.tools

Funding: Embrapa

Availability: Free, Available for download, Freely available

Resource Name: Machado

Resource ID: SCR_018428

Alternate IDs: biotools:machado

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

License: GNU General Public License v3.0

Record Creation Time: 20220129T080340+0000

Record Last Update: 20260807T042925+0000

Ratings and Alerts

No rating or validation information has been found for Machado.

No alerts have been found for Machado.

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 [SPARC SAWG](#) .

Raza A, et al. (2024) Transcriptomics, proteomics, and metabolomics interventions prompt crop improvement against metal(loid) toxicity. Plant cell reports, 43(3), 80.

Mudadu MA, et al. (2020) Machado: Open source genomics data integration framework. GigaScience, 9(9).