

# Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

## Machado

RRID:SCR\_018428

Type: Tool

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### Proper Citation

Machado (RRID:SCR\_018428)

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### Resource Information

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

**Proper Citation:** Machado (RRID:SCR\_018428)

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

**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:** 20260729T044445+0000

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### Ratings and Alerts

No rating or validation information has been found for Machado.

No alerts have been found for Machado.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

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).