

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

CRISPRcasIdentifier

RRID:SCR_018296

Type: Tool

Proper Citation

CRISPRcasIdentifier (RRID:SCR_018296)

Resource Information

URL: <https://github.com/BackofenLab/CRISPRcasIdentifier>

Proper Citation: CRISPRcasIdentifier (RRID:SCR_018296)

Description: Software tool providing machine learning approach for identification and classification of CRISPR-Cas systems. Combines regression and classification approaches for improving quality of input protein cassettes and predicting their subtypes.

Resource Type: software resource, software application, data analysis software, data processing software

Defining Citation: [DOI:10.1101/817619](https://doi.org/10.1101/817619)

Keywords: CRISPR-Cas, Machine Learning, Cas genes, Cas proteins, input protein cassette, predicting subtype, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: CRISPRcasIdentifier

Resource ID: SCR_018296

Alternate IDs: biotools:crisprcasidentifier

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

License: GNU GPL v3

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260808T190116+0000

Ratings and Alerts

No rating or validation information has been found for CRISPRcasIdentifier.

No alerts have been found for CRISPRcasIdentifier.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Ji M, et al. (2026) Unveiling the biodiversity of large DNA viruses in intertidal mudflats via metagenomics. Nature communications, 17(1).

Wang JH, et al. (2024) Characterization of CRISPR-Cas Systems in Shewanella algae and Shewanella halotis: Insights into the Adaptation and Survival of Marine Pathogens. Pathogens (Basel, Switzerland), 13(6).

Muhammad N, et al. (2023) Three novel marine species of the genus Reichenbachiella exhibiting degradation of complex polysaccharides. Frontiers in microbiology, 14, 1265676.

Wandera KG, et al. (2022) Anti-CRISPR prediction using deep learning reveals an inhibitor of Cas13b nucleases. Molecular cell, 82(14), 2714.

Padilha VA, et al. (2020) CRISPRcasIdentifier: Machine learning for accurate identification and classification of CRISPR-Cas systems. GigaScience, 9(6).