

# Resource Summary Report

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## IDEPI - IDentify EPItopes

RRID:SCR\_016171

Type: Tool

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### Proper Citation

IDEPI - IDentify EPItopes (RRID:SCR\_016171)

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### Resource Information

**URL:** <https://github.com/veg/idepi>

**Proper Citation:** IDEPI - IDentify EPItopes (RRID:SCR\_016171)

**Description:** IDEPI is a domain-specific and extensible software library for supervised learning of models that relate genotype to phenotype for HIV-1 and other organisms. IDEPI makes use of open source libraries for machine learning (scikit-learn, [scikit-learn.org/](https://scikit-learn.org/)), sequence alignment (HMMER, [hmmer.janelia.org/](https://hmmer.janelia.org/)), sequence manipulation (BioPython, [biopython.org](https://biopython.org/)), and parallelization (joblib, [pythonhosted.org/joblib](https://pythonhosted.org/joblib/)), and provides a programming interface to allow the users to engineer sequence features and select machine learning algorithms appropriate for their application.

**Resource Type:** software library, software resource, software toolkit

**Defining Citation:** [PMID:25254639](#)

**Keywords:** modeling, machine, learning, bio.tools

**Availability:** Free, Available for download

**Resource Name:** IDEPI - IDentify EPItopes

**Resource ID:** SCR\_016171

**Alternate IDs:** biotools:idepi

**Alternate URLs:** <https://bio.tools/idepi>

**Record Creation Time:** 20220129T080329+0000

**Record Last Update:** 20260919T195318+0000

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### Ratings and Alerts

No rating or validation information has been found for IDEPI - IDentify EPItopes.

No alerts have been found for IDEPI - IDentify EPItopes.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.