Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

RVD

RRID:SCR_002635
Type: Tool

Proper Citation

RVD (RRID:SCR_002635)

Resource Information

URL: http://dna-discovery.stanford.edu/software/rvd/

Proper Citation: RVD (RRID:SCR_002635)

Description: Algorithm for single nucleotide variant detection using next-generation resequencing. It estimates the error rate at each base position in the reference sequence utilizing a command-line user interface through MATLAB.

Resource Type: software resource, algorithm resource

Keywords: single nucleotide detection, next gen sequencing, detection algorithm

Availability: Free, Available for download, Freely available

Resource Name: RVD

Resource ID: SCR_002635

Alternate IDs: OMICS_00073

License URLs: http://www.stanford.edu/site/terms.html

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260808T190452+0000

Ratings and Alerts

No rating or validation information has been found for RVD.

No alerts have been found for RVD.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Zhang F, et al. (2017) Variational inference for rare variant detection in deep, heterogeneous next-generation sequencing data. BMC bioinformatics, 18(1), 45.

Cushing A, et al. (2015) Emergence of Hemagglutinin Mutations During the Course of Influenza Infection. Scientific reports, 5, 16178.

Cushing A, et al. (2013) RVD: a command-line program for ultrasensitive rare single nucleotide variant detection using targeted next-generation DNA resequencing. BMC research notes, 6, 206.