

Resource Summary Report

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VirusDetect

RRID:SCR_023669

Type: Tool

Proper Citation

VirusDetect (RRID:SCR_023669)

Resource Information

URL: <http://virusdetect.feilab.net/cgi-bin/virusdetect/index.cgi>

Proper Citation: VirusDetect (RRID:SCR_023669)

Description: Software package to efficiently and exhaustively analyze large scale sRNA datasets for virus identification. Automated pipeline for virus discovery using deep sequencing of small RNAs.

Resource Type: software resource, software toolkit

Defining Citation: [PMID:27825033](#)

Keywords: Virus discovery, analyze large scale sRNA datasets, virus identification, deep sequencing of small RNAs, sequencing, small RNAs

Funding: NSF

Availability: Free, Available for download, Freely available

Resource Name: VirusDetect

Resource ID: SCR_023669

Alternate URLs: <https://github.com/kentnf/VirusDetect>

Record Creation Time: 20230608T050219+0000

Record Last Update: 20260808T190539+0000

Ratings and Alerts

No rating or validation information has been found for VirusDetect .

No alerts have been found for VirusDetect .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Gupta S, et al. (2026) Small RNA genomics of Aedes aegypti mosquitoes discovers infectious viruses that trigger an RNA interference response. Nature communications, 17(1).

Du T, et al. (2025) Complete Sequence Analysis of Grapevine Leafroll-Associated Virus 4 and Interactions Between the Encoded Proteins. Viruses, 17(7).

Reingold V, et al. (2024) A Distinct Arabidopsis Latent Virus 1 Isolate Was Found in Wild Brassica hirta Plants and Bees, Suggesting the Potential Involvement of Pollinators in Virus Spread. Plants (Basel, Switzerland), 13(5).

Gholampour Z, et al. (2024) Application of High-Throughput Sequencing for Comprehensive Virome Profiling in Grapevines Shows Yellows in Iran. Viruses, 16(2).

González-Pérez E, et al. (2024) Diagnosis and Characterization of Plant Viruses Using HTS to Support Virus Management and Tomato Breeding. Viruses, 16(6).

Shushan A, et al. (2023) Characterization of a novel psyllid-transmitted waikavirus in carrots. Virus research, 335, 199192.

Elwan EA, et al. (2023) Exploring virus presence in field-collected potato leaf samples using RNA sequencing. Journal, genetic engineering & biotechnology, 21(1), 106.

Fuentes S, et al. (2021) The Phylogeography of Potato Virus X Shows the Fingerprints of Its Human Vector. Viruses, 13(4).

Rieux A, et al. (2021) Contribution of historical herbarium small RNAs to the reconstruction of a cassava mosaic geminivirus evolutionary history. Scientific reports, 11(1), 21280.

Chiquito-Almanza E, et al. (2021) Diversity and Distribution of Viruses Infecting Wild and Domesticated Phaseolus spp. in the Mesoamerican Center of Domestication. Viruses, 13(6).

Peng B, et al. (2021) Interspecific Recombination Between Zucchini Tigre Mosaic Virus and Papaya Ringspot Virus Infecting Cucurbits in China. Frontiers in microbiology, 12, 773992.

Molad O, et al. (2021) New early phenotypic markers for cucumber green mottle mosaic virus disease in cucumbers exposed to fluctuating extreme temperatures. Scientific reports, 11(1), 19060.

Silvestre R, et al. (2020) Characterization of distinct strains of an aphid-transmitted ilarvirus (Fam. Bromoviridae) infecting different hosts from South America. *Virus research*, 282, 197944.

Klap C, et al. (2020) Tomato Brown Rugose Fruit Virus Contributes to Enhanced Pepino Mosaic Virus Titers in Tomato Plants. *Viruses*, 12(8).

Hasegawa DK, et al. (2020) Deep Sequencing of Small RNAs in the Whitefly *Bemisia tabaci* Reveals Novel MicroRNAs Potentially Associated with Begomovirus Acquisition and Transmission. *Insects*, 11(9).

Shamimuzzaman M, et al. (2019) Genome-wide profiling of piRNAs in the whitefly *Bemisia tabaci* reveals cluster distribution and association with begomovirus transmission. *PLoS one*, 14(3), e0213149.

Hadad L, et al. (2019) Lettuce Chlorosis Virus Disease: A New Threat to Cannabis Production. *Viruses*, 11(9).

Zaagueri T, et al. (2017) Deep Sequencing Data and Infectivity Assays Indicate that Chickpea Chlorotic Dwarf Virus is the Etiological Agent of the "Hard Fruit Syndrome" of Watermelon. *Viruses*, 9(11).