

Resource Summary Report

Generated by [kravitz2](#) on Aug 8, 2026

Vir-Mir

RRID:SCR_007971

Type: Tool

Proper Citation

Vir-Mir (RRID:SCR_007971)

Resource Information

URL: <http://alk.ibms.sinica.edu.tw>

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Description: A database containing predicted viral miRNA candidate hairpins. Users may query the putative miRNA hairpins of a specific viral species by the hierarchical menu or by search function using the GenBank Identifier or RefSeq accession number. In addition, users can also search for the putative target genes of a particular viral miRNA hairpins by a RNAhybrid service link. We have previously identified human intronic microRNA as well as zebrafish microRNA. The microRNA hairpin discovery pipeline was also applied to discover viral encoded microRNAs. All viral genomes were obtain from NCBI. The classification of virus is based on the taxonomy table of NCBI (Jun, 2006). Totally, the genomes of 2266 viruses were analyzed. The 3'-UTR regions of human, mouse, rat, zebrafish, arabidopsis and rice genes are available for search.

Synonyms: Vir-Mir

Resource Type: database, data or information resource

Keywords: hairpin, microrna, mirna, viral genome, viral mirna

Resource Name: Vir-Mir

Resource ID: SCR_007971

Alternate IDs: nif-0000-03631

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260808T190412+0000

Ratings and Alerts

No rating or validation information has been found for Vir-Mir.

No alerts have been found for Vir-Mir.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Wu PC, et al. (2018) MicroRNAs derived from the insect virus HzNV-1 promote lytic infection by suppressing histone methylation. Scientific reports, 8(1), 17817.

Gao W, et al. (2017) Epstein-Barr virus encoded microRNA BART7 regulates radiation sensitivity of nasopharyngeal carcinoma. Oncotarget, 8(12), 20297.

Akhtar MM, et al. (2016) Bioinformatic tools for microRNA dissection. Nucleic acids research, 44(1), 24.

Maghuly F, et al. (2014) Virus versus host plant microRNAs: who determines the outcome of the interaction? PloS one, 9(6), e98263.

Gao R, et al. (2012) Identification of a plant viral RNA genome in the nucleus. PloS one, 7(11), e48736.

Wu YL, et al. (2011) A non-coding RNA of insect HzNV-1 virus establishes latent viral infection through microRNA. Scientific reports, 1, 60.

Ghosh Z, et al. (2009) Cellular versus viral microRNAs in host-virus interaction. Nucleic acids research, 37(4), 1035.