

# Resource Summary Report

Generated by [RRID](#) on Sep 17, 2026

## VIRsiRNAdb

RRID:SCR\_006108

Type: Tool

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### Proper Citation

VIRsiRNAdb (RRID:SCR\_006108)

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### Resource Information

**URL:** <http://crdd.osdd.net/servers/virsirnadb/>

**Proper Citation:** VIRsiRNAdb (RRID:SCR\_006108)

**Description:** VIRsiRNAdb is a curated database of experimentally validated viral siRNA / shRNA targeting diverse genes of 42 important human viruses including influenza, SARS and Hepatitis viruses. Submissions are welcome. Currently, the database provides detailed experimental information of 1358 siRNA/shRNA which includes siRNA sequence, virus subtype, target gene, GenBank accession, design algorithm, cell type, test object, test method and efficacy (mostly quantitative efficacies). Further, wherever available, information regarding alternative efficacies of above 300 siRNAs derived from different assays has also been incorporated. The database has facilities like search, advance search (using Boolean operators AND, OR) browsing (with data sorting option), internal linking and external linking to other databases (Pubmed, Genbank, ICTV). Additionally useful siRNA analysis tools are also provided e.g. siTarAlign for aligning the siRNA sequence with reference viral genomes or user defined sequences. virsiRNAdb would prove useful for RNAi researchers especially in siRNA based antiviral therapeutics development.

**Abbreviations:** VIRsiRNAdb

**Synonyms:** VIRsiRNAdb - Database of Viral siRNA / shRNA, Viral siRNA Database, Viral siRNA Database (VIRsiRNAdb)

**Resource Type:** analysis service resource, data analysis service, data or information resource, data repository, database, production service resource, service resource, storage service resource

**Defining Citation:** [PMID:22139916](#)

**Keywords:** virus, sirna, shrna, gene, influenza, sars, hepatitis, sirna sequence, virus subtype, target gene, genbank accession, design algorithm, cell type, efficacy, target genome region, target object, experimental assay, off-target, sirna matching, reference

viral sequence, influenza virus, hepatitis b virus, hpv, sars corona virus, viral genome, reference genome, align, sirna sequence, fasta, blast, bio.tools

**Related Condition:** Influenza, SARS, Hepatitis, Infectious disease

**Funding:** Council of Scientific and Industrial Research; New Delhi; India

**Availability:** Open unspecified license / Freely available

**Resource Name:** VIRsiRNAdb

**Resource ID:** SCR\_006108

**Alternate IDs:** nlx\_151610, biotools:virsiRNAdb

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

**Record Creation Time:** 20220129T080234+0000

**Record Last Update:** 20260912T200011+0000

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## Ratings and Alerts

No rating or validation information has been found for VIRsiRNAdb.

No alerts have been found for VIRsiRNAdb.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Giulietti M, et al. (2018) To accelerate the Zika beat: Candidate design for RNA interference-based therapy. Virus research, 255, 133.

Qureshi A, et al. (2018) A review on current status of antiviral siRNA. Reviews in medical virology, 28(4), e1976.

Gupta AK, et al. (2016) ZikaVR: An Integrated Zika Virus Resource for Genomics, Proteomics, Phylogenetic and Therapeutic Analysis. Scientific reports, 6, 32713.

Lagan?? A, et al. (2015) Computational design of artificial RNA molecules for gene regulation. Methods in molecular biology (Clifton, N.J.), 1269, 393.