

# Resource Summary Report

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## RNAstructure

RRID:SCR\_017216

Type: Tool

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### Proper Citation

RNAstructure (RRID:SCR\_017216)

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### Resource Information

**URL:** <http://rna.urmc.rochester.edu/RNAstructureWeb/Servers/Predict1/Predict1.html>

**Proper Citation:** RNAstructure (RRID:SCR\_017216)

**Description:** Web server for RNA and DNA secondary structure prediction and analysis. Software package as RNA folding prediction program.

**Resource Type:** software application, service resource, data access protocol, software resource, production service resource, web service, simulation software, analysis service resource

**Defining Citation:** [PMID:23620284](#)

**Keywords:** RNA, DNA, secondary, structure, prediction, analysis

**Funding:** NIGMS R01 GM076485

**Availability:** Free, Freely available

**Resource Name:** RNAstructure

**Resource ID:** SCR\_017216

**Record Creation Time:** 20220129T080334+0000

**Record Last Update:** 20260729T044431+0000

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### Ratings and Alerts

No rating or validation information has been found for RNAstructure.

No alerts have been found for RNAstructure.

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### Data and Source Information

## Usage and Citation Metrics

We found 42 mentions in open access literature.

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

Baniulyte G, et al. (2025) A bacterial regulatory uORF senses multiple classes of ribosome-targeting antibiotics. *eLife*, 13.

Tian S, et al. (2025) Phytophthora effector exploits WY module truncation to manipulate Nt-acetylation-mediated AtMBP-1 turnover and suppress plant immunity. *Science advances*, 11(50), eady1482.

Prokina KI, et al. (2025) A Deeply Branching Lineage in Heterolobosea (Discoba) With Multiflagellated and Multigrooved Life Stages. *The Journal of eukaryotic microbiology*, 72(5), e70037.

Tang YH, et al. (2024) CRISPR-Cas13-mediated RNA editing in the silkworm *Bombyx mori*. *Zoological research*, 45(6), 1249.

Sheng H, et al. (2024) A conserved oomycete effector RxLR23 triggers plant defense responses by targeting ERD15La to release NbNAC68. *Nature communications*, 15(1), 6336.

Das SP, et al. (2024) Unraveling the Complete Mitochondrial Genome of *Potamalpheops* Sp. (Purple Zebra Shrimp) (Crustacea: Decapoda) Provides Insights Into Its Phylogenetic Relationships and Gene Order Rearrangements. *Ecology and evolution*, 14(11), e70546.

Sharma B, et al. (2024) MicroRNA-502-3p regulates GABAergic synapse function in hippocampal neurons. *Neural regeneration research*, 19(12), 2698.

Tamayo-Ordóñez YJ, et al. (2024) Genomic Evolution Strategy in SARS-CoV-2 Lineage B: Coevolution of Cis Elements. *Current issues in molecular biology*, 46(6), 5744.

Sipiczki M, et al. (2024) High intragenomic, intergenomic, and phenotypic diversity in pulcherrimin-producing *Metschnikowia* yeasts indicates a special mode of genome evolution. *Scientific reports*, 14(1), 10521.

Zhao H, et al. (2024) SARS-CoV-2 RNA stabilizes host mRNAs to elicit immunopathogenesis. *Molecular cell*, 84(3), 490.

Yugami M, et al. (2023) Sbp2l contributes to oligodendrocyte maturation through translational control in Tcf7l2 signaling. *iScience*, 26(12), 108451.

Firdaus MER, et al. (2023) Optimization, characterization, comparison of self-assembly VLP of capsid protein L1 in yeast and reverse vaccinology design against human papillomavirus type 52. *Journal, genetic engineering & biotechnology*, 21(1), 68.

Gencer D, et al. (2023) Genome Sequencing and Organization of Three Geographically Different Isolates of Nucleopolyhedrovirus from the Gypsy Moth Reveal Significant Genomic Differences. *Current genomics*, 24(3), 146.

Man HSJ, et al. (2023) Long noncoding RNA GATA2-AS1 augments endothelial hypoxia inducible factor 1- $\alpha$  induction and regulates hypoxic signaling. *The Journal of biological chemistry*, 299(5), 103029.

Li D, et al. (2022) eIF4A2 targets developmental potency and histone H3.3 transcripts for translational control of stem cell pluripotency. *Science advances*, 8(13), eabm0478.

Umunnakwe CN, et al. (2021) Specific Guanosines in the HIV-2 Leader RNA are Essential for Efficient Viral Genome Packaging. *Journal of molecular biology*, 433(2), 166718.

Hasley JAR, et al. (2021) CRISPR/Cas9-mediated mutagenesis of sweet basil candidate susceptibility gene ObDMR6 enhances downy mildew resistance. *PloS one*, 16(6), e0253245.

Hwang HS, et al. (2021) The mitochondrial genome of *Faughnia haani* (Stomatopoda): novel organization of the control region and phylogenetic position of the superfamily Parasquilloidea. *BMC genomics*, 22(1), 716.

Huang J, et al. (2021) The Mitogen-Activated Protein Kinase PIMAPK2 Is Involved in Zoosporogenesis and Pathogenicity of *Peronophythora litchii*. *International journal of molecular sciences*, 22(7).

Laine P, et al. (2021) Alu element in the RNA binding motif protein, X-linked 2 (RBMX2) gene found to be linked to bipolar disorder. *PloS one*, 16(12), e0261170.