

# Resource Summary Report

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## RNAstructure

RRID:SCR\_017216

Type: Tool

### Proper Citation

RNAstructure (RRID:SCR\_017216)

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

**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:** 20260919T195336+0000

### Ratings and Alerts

No rating or validation information has been found for RNAstructure.

No alerts have been found for RNAstructure.

### Data and Source Information

## Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Rajak N, et al. (2026) Dual transcriptional and post-transcriptional regulation by the bHLH proteins Rtg1 and RtgX in *Komagataella phaffii*. *Nucleic acids research*, 54(1).

Simon AE, et al. (2026) Structural and phylogenetic analyses of umbravirus and umbra-like virus genomes suggest evolution of capsid-like proteins from 30K movement proteins. *Journal of virology*, 100(4), e0220925.

Li P, et al. (2026) Global mapping of circRNA-target RNA interactions reveal P-body-mediated translational repression. *Molecular cell*, 86(5), 868.

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

Chen Y, et al. (2025) Design and development of an aptamer targeting C-type lectin-like molecule-1 as a biomarker for acute myeloid leukemia: a SELEX approach. *Frontiers in bioengineering and biotechnology*, 13, 1601453.

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.

Mahadevan T, et al. (2025) Cytoplasmic localization of the mRNA encoding actin regulator, Serendipity-?, promotes adherens junction assembly and nuclear repositioning. *bioRxiv : the preprint server for biology*.

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.

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.

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.

Tous C, et al. (2024) Delving into the Role of lncRNAs in Papillary Thyroid Cancer: Upregulation of LINC00887 Promotes Cell Proliferation, Growth and Invasion. *International journal of molecular sciences*, 25(3).

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.

Nevinsky GA, et al. (2023) Experimental Autoimmune Encephalomyelitis of Mice: IgGs from the Sera of Mice Hydrolyze miRNAs. *International journal of molecular sciences*, 24(5).

Cao M, et al. (2023) Aptamer-based nanotrains and nanoflowers as quinine delivery systems. *International journal of pharmaceutics: X*, 5, 100172.

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.