

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: 20260821T194107+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 [SPARC SAWG](#) .

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.

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).

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

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.