

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: simulation software, analysis service resource, web service, software resource, data access protocol, software application, production service resource, 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: 20260805T044406+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 42 mentions in open access literature.

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

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.

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

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.

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- α 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.