Resource Summary Report

Generated by NIF on Apr 28, 2025

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

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: 20250428T054047+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

Source: SciCrunch Registry

Usage and Citation Metrics

We found 39 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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 comycete 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.

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.

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.

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-? 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.

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.

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.

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

Cai M, et al. (2021) Stepwise accumulation of mutations in CesA3 in Phytophthora sojae results in increasing resistance to CAA fungicides. Evolutionary applications, 14(4), 996.

Mandell ZF, et al. (2021) NusG is an intrinsic transcription termination factor that stimulates motility and coordinates gene expression with NusA. eLife, 10.

Yin H, et al. (2021) Metagenomic Analysis of Marigold: Mixed Infection Including Two New Viruses. Viruses, 13(7).

Chang CY, et al. (2021) Genetic impacts on thermostability of onco-lncRNA HOTAIR during the development and progression of endometriosis. PloS one, 16(3), e0248168.