

# Resource Summary Report

Generated by [RRID](#) on Apr 9, 2025

## UNAFold

RRID:SCR\_001360

Type: Tool

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### Proper Citation

UNAFold (RRID:SCR\_001360)

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### Resource Information

**URL:** <http://mfold.rna.albany.edu/>

**Proper Citation:** UNAFold (RRID:SCR\_001360)

**Description:** Software package for nucleic acid folding and hybridization prediction. It has capabilities to predict folding for single-stranded RNA or DNA through a combination of free energy minimization, partition function calculations and stochastic sampling. The program runs on Unix and Linux platforms as well as Mac OS X and Windows.

**Synonyms:** The UNAFold Web Server, UNAFold Web Server

**Resource Type:** data analysis software, software resource, software application, data processing software

**Keywords:** software, nucleic acid, folding, hybridization, prediction, rna, dna, stochastic sampling, bio.tools

**Funding:**

**Availability:** Available for download with a nominal \$50 processing fee for academic and other non-commercial use, License required for commercial use

**Resource Name:** UNAFold

**Resource ID:** SCR\_001360

**Alternate IDs:** biotools:unafold, nif-0000-07753

**Alternate URLs:** <https://bio.tools/unafold/>

**Record Creation Time:** 20220129T080207+0000

**Record Last Update:** 20250409T060104+0000

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## Ratings and Alerts

No rating or validation information has been found for UNAFold.

No alerts have been found for UNAFold.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 290 mentions in open access literature.

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

Zhou Y, et al. (2025) Serum assisted PD-L1 aptamer screening for improving its stability. *Scientific reports*, 15(1), 1848.

Zeng X, et al. (2025) The complete mitochondrial genome of *Gyrodactylus pseudorasborae* (Platyhelminthes: Monogenea) with a phylogeny of Gyrodactylidae parasites. *BMC genomics*, 26(1), 34.

Shen Y, et al. (2025) Improving the generalization of protein expression models with mechanistic sequence information. *Nucleic acids research*, 53(3).

Seto R, et al. (2024) *Pseudomonas fluorescens* 15 small RNA Pfs1 mediates transgenerational epigenetic inheritance of pathogen avoidance in *C. elegans* through the Ephrin receptor VAB-1. *bioRxiv : the preprint server for biology*.

Zhang Y, et al. (2024) Model-guided metabolic rewiring to bypass pyruvate oxidation for pyruvate derivative synthesis by minimizing carbon loss. *mSystems*, 9(3), e0083923.

Li R, et al. (2023) A structural and functional analysis of opal stop codon translational readthrough during Chikungunya virus replication. *The Journal of general virology*, 104(10).

Zarudnaya MI, et al. (2023) Structural diversity of the region encompassing DIS, SD and Psi hairpins in HIV and SIV genomes. *Virus research*, 336, 199197.

Ruiz-Padilla A, et al. (2023) Molecular characterization of a tetra segmented ssDNA virus infecting *Botrytis cinerea* worldwide. *Virology journal*, 20(1), 306.

Ortega JA, et al. (2023) CLIP-Seq analysis enables the design of protective ribosomal RNA bait oligonucleotides against C9ORF72 ALS/FTD poly-GR pathophysiology. *Science advances*, 9(45), eadf7997.

Garewal N, et al. (2022) Identification of Pseudo-R genes in *Vitis vinifera* and characterization of their role as immunomodulators in host-pathogen interactions. *Journal of advanced research*, 42, 17.

Villa A, et al. (2022) DNA aptamers masking angiotensin converting enzyme 2 as an innovative way to treat SARS-CoV-2 pandemic. *Pharmacological research*, 175, 105982.

Bellassai N, et al. (2022) Isothermal circular strand displacement-based assay for microRNA detection in liquid biopsy. *Analytical and bioanalytical chemistry*, 414(22), 6431.

Morlion A, et al. (2021) Custom long non-coding RNA capture enhances detection sensitivity in different human sample types. *RNA biology*, 18(sup1), 215.

Zhao W, et al. (2021) Characterization of the complete mitochondrial genome of *Myrmus lateralis* (Heteroptera, Rhopalidae) and its implication for phylogenetic analyses. *ZooKeys*, 1070, 13.

Asmani F, et al. (2021) In Silico designing and immunogenic production of the multimeric CfaB\*ST, CfaE, LTB antigen as a peptide vaccine against Enterotoxigenic *Escherichia coli*. *Microbial pathogenesis*, 158, 105087.

Yang HC, et al. (2021) Single Step In Situ Detection of Surface Protein and MicroRNA in Clustered Extracellular Vesicles Using Flow Cytometry. *Journal of clinical medicine*, 10(2).

Yang HC, et al. (2021) Single-step equipment-free extracellular vesicle concentration using super absorbent polymer beads. *Journal of extracellular vesicles*, 10(4), e12074.

Zabaleta N, et al. (2021) An AAV-based, room-temperature-stable, single-dose COVID-19 vaccine provides durable immunogenicity and protection in non-human primates. *Cell host & microbe*, 29(9), 1437.

Muslu T, et al. (2021) Pan-Genome miRNomics in *Brachypodium*. *Plants (Basel, Switzerland)*, 10(5).

K?dziarska B, et al. (2021) Minigene as a Novel Regulatory Element in Toxin-Antitoxin Systems. *International journal of molecular sciences*, 22(24).