

# Resource Summary Report

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## UNAFold

RRID:SCR\_001360

Type: Tool

### Proper Citation

UNAFold (RRID:SCR\_001360)

### Resource Information

**URL:** <https://www.unafold.org/>

**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 processing software, data analysis software, software application, software resource

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

**Availability:** Free, Available for download, Freely available

**Resource Name:** UNAFold

**Resource ID:** SCR\_001360

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

**Alternate URLs:** <http://mfold.rna.albany.edu/>

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

**Record Last Update:** 20260801T042504+0000

### 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 304 mentions in open access literature.

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

Vondrášková A, et al. (2025) Molecular characterization of the type species of Kyrthothrix (Rivulariaceae, Cyanobacteriota) with comparison to Nunduva: Morphologically different but molecularly cryptic genera. Journal of phycology, 61(5), 1274.

Takahashi M, et al. (2025) Cleavage of MALAT1 RNA by 14-nt sgRNA-guided tRNase ZL. PloS one, 20(9), e0318968.

Steck MR, et al. (2025) Hiding in plain sight: Genomic and phenotypic characterization of mosquito-borne Bussuquara virus. PLoS neglected tropical diseases, 19(12), e0013774.

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

Casu C, et al. (2025) Photodynamic Therapy Modulates pri-miRNA Expression in C. albicans-Infected HEK-293 Cells: An In Vitro Study. Current issues in molecular biology, 47(11).

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

Zhao L, et al. (2025) Solid-State Nanopore Readout of Programmable DNA and Peptide Nanostructures for Scalable Digital Data Storage. Biosensors, 15(5).

Bohunická M, et al. (2025) Kalymmatonema gen. nov. (Scytonemataceae, Cyanobacteria): A desert soil crust genus previously identified as Scytonema hyalinum, with description of seven species new to science. Journal of phycology, 61(5), 1225.

Zhang X, et al. (2025) Systematic evaluation of the impact of promoter proximal short tandem repeats on expression. bioRxiv : the preprint server for biology.

Cheng C, et al. (2025) Optimized Aptamer-Conjugated Gold Nanoparticles for Specific Detection of GII.4 Human Norovirus in Feces. Biosensors, 15(11).

Deng X, et al. (2025) Control of Aedes albopictus populations by silencing of the vesicular GABA transporter (vgat) and the vesicular monoamine transporter (vmat) genes using

recombinant Chlorella shRNA. Parasites & vectors, 18(1), 414.

Pokorný J, et al. (2025) Four novel taxa of cyanobacteria from a unique thermal cave habitat in Vromoner Canyon, Albania. Journal of phycology, 61(5), 1394.

Balobaid A, et al. (2025) Arabidopsis thaliana FANCONI ANAEMIA I (FANCI) has roles in the repair of interstrand crosslinks and CRISPR-Cas9 induced DNA double strand breaks. The Plant journal : for cell and molecular biology, 124(2), e70533.

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

Low CF, et al. (2025) Molecular dynamics simulations reveal mechanistic insights into aptamer-induced structural rearrangements in viral capsid proteins. Journal of computer-aided molecular design, 39(1), 57.

Hasegawa-Ogawa M, et al. (2025) Dominant-negative isoform of TDP-43 is regulated by ALS-linked RNA-binding proteins. The Journal of cell biology, 224(10).

Lee H, et al. (2025) Development of an efficient and heritable virus-induced genome editing system in Solanum lycopersicum. Horticulture research, 12(4), uhae364.

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).