

Resource Summary Report

Generated by ASWG on Aug 2, 2026

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: 20260801T190140+0000

Ratings and Alerts

No rating or validation information has been found for UNAFold.

No alerts have been found for UNAFold.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 304 mentions in open access literature.

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

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

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

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 pseudorasbora (Platyhelminthes: Monogenea) with a phylogeny of Gyrodactylidae parasites. BMC genomics, 26(1), 34.

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.

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

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

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.

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

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.

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.

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

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

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).

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.

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).