

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 2026

MirAlign

RRID:SCR_010572

Type: Tool

Proper Citation

MirAlign (RRID:SCR_010572)

Resource Information

URL: <http://bioinfo.au.tsinghua.edu.cn/miralign/>

Proper Citation: MirAlign (RRID:SCR_010572)

Description: An online tool to identify homologous miRNA genes. This tool can search for new miRNA candidates by requiring structural similarity and sequence conservations between new candidates and experimentally identified miRNAs. Simply Input your sequence and parameters.

Resource Type: data analysis service, service resource, analysis service resource, production service resource

Resource Name: MirAlign

Resource ID: SCR_010572

Alternate IDs: nlx_41642

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260804T043431+0000

Ratings and Alerts

No rating or validation information has been found for MirAlign.

No alerts have been found for MirAlign.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Loganathan T, et al. (2023) Non-coding RNAs in human health and disease: potential function as biomarkers and therapeutic targets. *Functional & integrative genomics*, 23(1), 33.

Patil S, et al. (2021) MicroRNA-mediated bioengineering for climate-resilience in crops. *Bioengineered*, 12(2), 10430.

Pace RM, et al. (2016) Composition and genomic organization of arthropod Hox clusters. *EvoDevo*, 7, 11.

Liu Y, et al. (2015) The expression profile of Aedes albopictus miRNAs is altered by dengue virus serotype-2 infection. *Cell & bioscience*, 5, 16.

Zeng Z, et al. (2015) Survey of Natural Language Processing Techniques in Bioinformatics. *Computational and mathematical methods in medicine*, 2015, 674296.

Shinde S, et al. (2015) A complex genome-microRNA interplay in human mitochondria. *BioMed research international*, 2015, 206382.

Vlachakis D, et al. (2013) Antiviral Stratagems Against HIV-1 Using RNA Interference (RNAi) Technology. *Evolutionary bioinformatics online*, 9, 203.

Unver T, et al. (2009) Review of current methodological approaches for characterizing microRNAs in plants. *International journal of plant genomics*, 2009, 262463.