

Resource Summary Report

Generated by [NIF](#) on Apr 24, 2025

[mirTools](#)

RRID:SCR_009701

Type: Tool

Proper Citation

mirTools (RRID:SCR_009701)

Resource Information

URL: <http://centre.bioinformatics.zj.cn/mirtools/>

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Description: A comprehensive web server developed to allow researchers to comprehensively characterize small RNA transcriptome.

Abbreviations: mirTools

Synonyms: mirTools 2.0

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

Defining Citation: [PMID:23778453](#)

Keywords: bio.tools

Funding:

Resource Name: mirTools

Resource ID: SCR_009701

Alternate IDs: OMICS_00365, biotools:mirtools

Alternate URLs: <https://bio.tools/mirtools>

Record Creation Time: 20220129T080254+0000

Record Last Update: 20250424T065032+0000

Ratings and Alerts

No rating or validation information has been found for mirTools.

No alerts have been found for mirTools.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

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.

Giassa IC, et al. (2021) Bioinformatics and Machine Learning Approaches to Understand the Regulation of Mobile Genetic Elements. *Biology*, 10(9).

Orellana EA, et al. (2021) METTL1-mediated m7G modification of Arg-TCT tRNA drives oncogenic transformation. *Molecular cell*, 81(16), 3323.

Karere GM, et al. (2019) Identification of coordinately regulated microRNA-gene networks that differ in baboons discordant for LDL-cholesterol. *PLoS one*, 14(3), e0213494.

Ha Thi HT, et al. (2019) MicroRNA-130a modulates a radiosensitivity of rectal cancer by targeting SOX4. *Neoplasia (New York, N.Y.)*, 21(9), 882.

Fu X, et al. (2017) Association of microRNAs with Argonaute proteins in the malaria mosquito *Anopheles gambiae* after blood ingestion. *Scientific reports*, 7(1), 6493.

Li Y, et al. (2017) Dynamic regulation of small RNAome during the early stage of cardiac differentiation from pluripotent embryonic stem cells. *Genomics data*, 12, 136.

Shriram V, et al. (2016) MicroRNAs As Potential Targets for Abiotic Stress Tolerance in Plants. *Frontiers in plant science*, 7, 817.

Bai J, et al. (2015) NGSmirPlant: comprehensive characterization of the small RNA transcriptomes of plants. *Protein & cell*, 6(6), 397.

Tripathi A, et al. (2015) Role of bioinformatics in establishing microRNAs as modulators of abiotic stress responses: the new revolution. *Frontiers in physiology*, 6, 286.

Zhu W, et al. (2014) Computational developments in microRNA-regulated protein-protein

interactions. *BMC systems biology*, 8, 14.

Fu M, et al. (2014) Human cytomegalovirus latent infection alters the expression of cellular and viral microRNA. *Gene*, 536(2), 272.

Jain M, et al. (2014) Genome-wide discovery and differential regulation of conserved and novel microRNAs in chickpea via deep sequencing. *Journal of experimental botany*, 65(20), 5945.