

# Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

## mirTools

RRID:SCR\_009701

Type: Tool

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### Proper Citation

mirTools (RRID:SCR\_009701)

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### Resource Information

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

**Proper Citation:** mirTools (RRID:SCR\_009701)

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

**Abbreviations:** mirTools

**Synonyms:** mirTools 2.0

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

**Defining Citation:** [PMID:23778453](#)

**Keywords:** bio.tools

**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:** 20260806T054513+0000

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### Ratings and Alerts

No rating or validation information has been found for mirTools.

No alerts have been found for mirTools.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 13 mentions in open access literature.

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

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.