Resource Summary Report

Generated by <u>NIF</u> on May 15, 2025

mirTools

RRID:SCR_009701 Type: Tool

Proper Citation

mirTools (RRID:SCR_009701)

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, service resource, analysis service resource, production 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: 20250514T061506+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 <u>NIF</u>.

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.