

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 17, 2026

[miRExpress](#)

RRID:SCR_010831

Type: Tool

Proper Citation

miRExpress (RRID:SCR_010831)

Resource Information

URL: <http://mirexpress.mbc.nctu.edu.tw/>

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Description: A stand-alone software package implemented for generating miRNA expression profiles from high-throughput sequencing of RNA without the need for sequenced genomes.

Abbreviations: miRExpress

Resource Type: software resource

Resource Name: miRExpress

Resource ID: SCR_010831

Alternate IDs: OMICS_00379

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260912T195724+0000

Ratings and Alerts

No rating or validation information has been found for miRExpress.

No alerts have been found for miRExpress.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Tzur Y, et al. (2024) Ribosomal protein L24 mediates mammalian microRNA processing in an evolutionarily conserved manner. *Cellular and molecular life sciences : CMLS*, 81(1), 55.

Canovai M, et al. (2023) Secreted miR-210-3p, miR-183-5p and miR-96-5p reduce sensitivity to docetaxel in prostate cancer cells. *Cell death discovery*, 9(1), 445.

Shulman D, et al. (2023) Sex-specific declines in cholinergic-targeting tRNA fragments in the nucleus accumbens in Alzheimer's disease. *bioRxiv : the preprint server for biology*.

Li Q, et al. (2021) Evaluation and application of tools for the identification of known microRNAs in plants. *Applications in plant sciences*, 9(3), e11414.

Qian X, et al. (2021) Identification of Key Circulating Exosomal microRNAs in Gastric Cancer. *Frontiers in oncology*, 11, 693360.

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

Vergauwen G, et al. (2021) Robust sequential biophysical fractionation of blood plasma to study variations in the biomolecular landscape of systemically circulating extracellular vesicles across clinical conditions. *Journal of extracellular vesicles*, 10(10), e12122.

Winek K, et al. (2020) Transfer RNA fragments replace microRNA regulators of the cholinergic poststroke immune blockade. *Proceedings of the National Academy of Sciences of the United States of America*, 117(51), 32606.

Nicolle R, et al. (2019) Integrated molecular characterization of chondrosarcoma reveals critical determinants of disease progression. *Nature communications*, 10(1), 4622.

Mahlab-Aviv S, et al. (2019) A cell-based probabilistic approach unveils the concerted action of miRNAs. *PLoS computational biology*, 15(12), e1007204.

Blum Y, et al. (2019) Dissecting heterogeneity in malignant pleural mesothelioma through histo-molecular gradients for clinical applications. *Nature communications*, 10(1), 1333.

Carbone F, et al. (2019) Identification of miRNAs involved in fruit ripening by deep sequencing of *Olea europaea* L. transcriptome. *PloS one*, 14(8), e0221460.

Lobentanzer S, et al. (2019) Integrative Transcriptomics Reveals Sexually Dimorphic Control of the Cholinergic/Neurokinin Interface in Schizophrenia and Bipolar Disorder. *Cell reports*, 29(3), 764.

Martin Anduaga A, et al. (2019) Thermosensitive alternative splicing senses and mediates temperature adaptation in *Drosophila*. *eLife*, 8.

Zhang C, et al. (2018) Hepatic Ago2-mediated RNA silencing controls energy metabolism linked to AMPK activation and obesity-associated pathophysiology. *Nature*

communications, 9(1), 3658.

Mahlab-Aviv S, et al. (2018) Small RNA sequences derived from pre-microRNAs in the supraspliceosome. *Nucleic acids research*, 46(20), 11014.

Forini F, et al. (2018) Integrative analysis of differentially expressed genes and miRNAs predicts complex T3-mediated protective circuits in a rat model of cardiac ischemia reperfusion. *Scientific reports*, 8(1), 13870.

Bisgin H, et al. (2018) Evaluation of Bioinformatics Approaches for Next-Generation Sequencing Analysis of microRNAs with a Toxicogenomics Study Design. *Frontiers in genetics*, 9, 22.

Gershanov S, et al. (2018) MicroRNA-mRNA expression profiles associated with medulloblastoma subgroup 4. *Cancer management and research*, 10, 339.

Terrigno M, et al. (2018) The microRNA miR-21 Is a Mediator of FGF8 Action on Cortical COUP-TFI Translation. *Stem cell reports*, 11(3), 756.