Resource Summary Report

Generated by <u>NIF</u> on May 17, 2025

miRExpress

RRID:SCR_010831 Type: Tool

Proper Citation

miRExpress (RRID:SCR_010831)

Resource Information

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

Proper Citation: miRExpress (RRID:SCR_010831)

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

Funding:

Resource Name: miRExpress

Resource ID: SCR_010831

Alternate IDs: OMICS_00379

Record Creation Time: 20220129T080301+0000

Record Last Update: 20250420T014511+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 NIF.

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.

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.

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

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/Neurokine 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.

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

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.

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.