

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

miR2Disease

RRID:SCR_007792

Type: Tool

Proper Citation

miR2Disease (RRID:SCR_007792)

Resource Information

URL: <http://www.mir2disease.org/>

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Description: A manually curated database, aims at providing a comprehensive resource of miRNA deregulation in various human diseases. Each entry in the miR2Disease contains detailed information on a miRNA-disease relationship, including miRNA ID, disease name, a brief description of the miRNA-disease relationship, miRNA expression pattern in the disease state, detection method for miRNA expression, experimentally verified miRNA target gene(s), and literature reference . All entries can be retrieved by miRNA ID, disease name or target gene. miR2Disease will be updated bimonthly. miR2Disease sincerely looks forward to recently established relationship between miRNA and human diseases to be submitted.

Synonyms: miR2Disease

Resource Type: data or information resource, database

Keywords: FASEB list

Resource Name: miR2Disease

Resource ID: SCR_007792

Alternate IDs: nif-0000-03133

Old URLs: <http://mlg.hit.edu.cn:8080/miR2Disease>

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260829T183005+0000

Ratings and Alerts

No rating or validation information has been found for miR2Disease.

No alerts have been found for miR2Disease.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 108 mentions in open access literature.

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

Yuan M, et al. (2025) Exploring molecular and modular insights into space ionizing radiation effects through heterogeneous gene regulatory networks. NPJ microgravity, 11(1), 44.

Chang M, et al. (2025) Unbiased microRNA-Disease Association Prediction Using ICD-11 Codes and Negative Sampling. Pharmacology research & perspectives, 13(6), e70192.

Sojoudi K, et al. (2025) Exosomal insights into ovarian cancer stem cells: revealing the molecular hubs. Journal of ovarian research, 18(1), 20.

Lin S, et al. (2025) Predicting microRNA target genes using pan-cancer correlation patterns. BMC genomics, 26(1), 77.

Tiwari S, et al. (2024) miRNA genetic variations associated with the predisposition of oral squamous cell carcinoma in central Indian population. Non-coding RNA research, 9(4), 1333.

Liu S, et al. (2024) Whole transcriptome sequencing identifies a competitive endogenous RNA network that regulates the immunity of bladder cancer. Heliyon, 10(8), e29344.

Hu C, et al. (2024) Optimizing drug combination and mechanism analysis based on risk pathway crosstalk in pan cancer. Scientific data, 11(1), 74.

Abdallah HY, et al. (2023) Introducing Circulating Vasculature-Related Transcripts as Biomarkers in Coronary Artery Disease. Molecular diagnosis & therapy, 27(2), 243.

Abdallah HY, et al. (2023) Expression Signature of Immune-Related MicroRNAs in Autoimmune Skin Disease: Psoriasis and Vitiligo Insights. Molecular diagnosis & therapy, 27(3), 405.

Garcia-Vallicrosa C, et al. (2023) The Role of Longevity Assurance Homolog 2/Ceramide Synthase 2 in Bladder Cancer. International journal of molecular sciences, 24(21).

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.

Huan S, et al. (2023) Dihydroartemisinin inhibits the activation and proliferation of hepatic stellate cells by regulating miR-29b-3p. *International journal of molecular medicine*, 51(5).

Abdallah HY, et al. (2022) The lncRNA PRINS-miRNA-mRNA Axis Gene Expression Profile as a Circulating Biomarker Panel in Psoriasis. *Molecular diagnosis & therapy*, 26(4), 451.

Li X, et al. (2022) MIMRDA: A Method Incorporating the miRNA and mRNA Expression Profiles for Predicting miRNA-Disease Associations to Identify Key miRNAs (microRNAs). *Frontiers in genetics*, 13, 825318.

Jin C, et al. (2022) Predicting miRNA-Disease Association Based on Neural Inductive Matrix Completion with Graph Autoencoders and Self-Attention Mechanism. *Biomolecules*, 12(1).

Wang L, et al. (2022) Prediction of lncRNA-disease association based on a Laplace normalized random walk with restart algorithm on heterogeneous networks. *BMC bioinformatics*, 23(1), 5.

Kouhsar M, et al. (2022) CircWalk: a novel approach to predict CircRNA-disease association based on heterogeneous network representation learning. *BMC bioinformatics*, 23(1), 331.

Sun Q, et al. (2021) Current Status of MicroRNAs that Target the Wnt Signaling Pathway in Regulation of Osteogenesis and Bone Metabolism: A Review. *Medical science monitor : international medical journal of experimental and clinical research*, 27, e929510.

Prashanth G, et al. (2021) Potential Molecular Mechanisms and Remdesivir Treatment for Acute Respiratory Syndrome Corona Virus 2 Infection/COVID 19 Through RNA Sequencing and Bioinformatics Analysis. *Bioinformatics and biology insights*, 15, 11779322211067365.

Zhuang M, et al. (2021) The circular RNA expression profile in ovarian serous cystadenocarcinoma reveals a complex circRNA-miRNA regulatory network. *BMC medical genomics*, 14(Suppl 2), 276.