# **Resource Summary Report**

Generated by NIF on May 25, 2025

## **TarBase**

RRID:SCR\_010841

Type: Tool

## **Proper Citation**

TarBase (RRID:SCR\_010841)

#### **Resource Information**

**URL:** http://diana.imis.athena-innovation.gr/DianaTools/index.php?r=tarbase/index

**Proper Citation:** TarBase (RRID:SCR\_010841)

**Description:** Manually curated database of experimentally supported animal microRNA

targets. Collection of experimentally supported miRNA gene interactions.

Abbreviations: DIANA-TarBase

Synonyms: DIANA-TarBase v7.0, DIANA-TarBase v.8, DIANA-TarBase v.6

Resource Type: service resource, data or information resource, database

Defining Citation: PMID:22135297, PMID:29156006

**Keywords:** mirna-gene interaction

Funding: Fondation Santé Grant;

General Secretariat of Research and Technology;

Greece Grant;

Hellenic Foundation for Research and Innovation;

**IKY Foundation** 

**Availability:** Restricted

Resource Name: TarBase

Resource ID: SCR\_010841

Alternate IDs: OMICS\_00397

Alternate URLs: http://carolina.imis.athena-

innovation.gr/diana\_tools/web/index.php?r=tarbasev8%2Findex/

**Record Creation Time:** 20220129T080301+0000

**Record Last Update:** 20250525T032353+0000

## **Ratings and Alerts**

No rating or validation information has been found for TarBase.

No alerts have been found for TarBase.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 684 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Cassuto NG, et al. (2025) Genome-Wide microRNA Expression Profiling in Human Spermatozoa and Its Relation to Sperm Quality. Genes, 16(1).

Cihan M, et al. (2025) Unveiling cell-type-specific microRNA networks through alternative polyadenylation in glioblastoma. BMC biology, 23(1), 15.

Wu Z, et al. (2025) Deciphering Necroptosis-Associated Molecular Subtypes in Acute Ischemic Stroke Through Bioinformatics and Machine Learning Analysis. Journal of molecular neuroscience: MN, 75(1), 4.

Suvanasuthi R, et al. (2025) Analysis of precancerous lesion-related microRNAs for early diagnosis of cervical cancer in the Thai population. Scientific reports, 15(1), 142.

Zhang S, et al. (2025) Cellular Senescence Genes as Cutting-Edge Signatures for Abdominal Aortic Aneurysm Diagnosis: Potential for Innovative Therapeutic Interventions. Journal of cellular and molecular medicine, 29(2), e70323.

Gralewska P, et al. (2025) Olaparib Combined with DDR Inhibitors Effectively Prevents EMT and Affects miRNA Regulation in TP53-Mutated Epithelial Ovarian Cancer Cell Lines. International journal of molecular sciences, 26(2).

Mirabella F, et al. (2025) Glycosylation Pathways Targeted by Deregulated miRNAs in Autism Spectrum Disorder. International journal of molecular sciences, 26(2).

Chen Z, et al. (2025) Staphylococcus aureus blocks host autophagy through circSyk/miR-5106/Sik3 axis to promote progression of bone infection. PLoS pathogens, 21(1), e1012896.

Wang S, et al. (2025) Ferroptosis-related genes participate in the microglia-induced neuroinflammation of spinal cord injury via NF-?B signaling: evidence from integrated single-cell and spatial transcriptomic analysis. Journal of translational medicine, 23(1), 43.

Heidari R, et al. (2025) The miRNA-mRNA Regulatory Network in Human Hepatocellular Carcinoma by Transcriptomic Analysis From GEO. Cancer reports (Hoboken, N.J.), 8(1), e70098.

Lapkina E, et al. (2025) MiR-204-5p overexpression abrogates Dacarbazine-induced senescence in melanoma cells in vivo. Non-coding RNA research, 10, 130.

Gianno F, et al. (2025) MicroRNAs Expression Profile in MN1-Altered Astroblastoma. Biomedicines, 13(1).

Grueso-Navarro E, et al. (2025) MicroRNAs in Plasma-Derived Extracellular Vesicles as Non-Invasive Biomarkers for Eosinophilic Esophagitis. International journal of molecular sciences, 26(2).

Kolipaka R, et al. (2025) MicroRNA?4327 regulates TGF??1 stimulation of matrix metalloproteinase?13 expression via CREB?binding protein?mediated Runx2 acetylation in human osteoblasts. Experimental and therapeutic medicine, 29(1), 20.

Zhou J, et al. (2025) Inhibition of mmu\_circ\_0009303 improves metabolic dysfunction-associated steatotic liver disease by regulating lipid metabolism and oxidative stress. Endocrine journal, 72(1), 79.

Xie Y, et al. (2025) Identification and Characterization of Genes Associated with Intestinal Ischemia-Reperfusion Injury and Oxidative Stress: A Bioinformatics and Experimental Approach Integrating High-Throughput Sequencing, Machine Learning, and Validation. Journal of inflammation research, 18, 701.

Abyadeh M, et al. (2024) Application of Multiomics Approach to Investigate the Therapeutic Potentials of Stem Cell-derived Extracellular Vesicle Subpopulations for Alzheimer's Disease. bioRxiv: the preprint server for biology.

Della Bella E, et al. (2024) Identification of circulating miRNAs as fracture-related biomarkers. PloS one, 19(5), e0303035.

Wu J, et al. (2024) IDMIR: identification of dysregulated miRNAs associated with disease based on a miRNA-miRNA interaction network constructed through gene expression data. Briefings in bioinformatics, 25(4).

Lin G, et al. (2024) Key extracellular proteins and TF-miRNA co-regulatory network in

diabetic foot ulcer: Bioinformatics and experimental insights. PloS one, 19(7), e0307205.