# Resource Summary Report

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## 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:** data or information resource, database, service resource

**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:** 20260801T191017+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 814 mentions in open access literature.

**Listed below are recent publications.** The full list is available at kravitz2 .


Yang R, et al. (2026) Exploring and Validating the Molecular Mechanisms Linking Fatty Acid Metabolism and Sarcopenia. IET systems biology, 20(1), e70052.

Kang S, et al. (2025) Dicer is essential for proper maturation, composition, and function in the postnatal retina. iScience, 28(11), 113794.

Kariminejad-Farsangi H, et al. (2025) Microvesicle inhibition enhances the therapeutic effects of ATRA in acute promyelocytic leukemia cells via changes in miRNAs: the promising antileukemic potential of imipramine. Clinical and experimental medicine, 25(1), 217.

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.

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.

Räsänen N, et al. (2025) miRNA profiling of hiPSC-derived neurons from monozygotic twins discordant for schizophrenia. Schizophrenia (Heidelberg, Germany), 11(1), 21.

Ye R, et al. (2025) Plasma-derived extracellular vesicles prime alveolar macrophages for autophagy and ferroptosis in sepsis-induced acute lung injury. Molecular medicine (Cambridge, Mass.), 31(1), 40.

Aryal A, et al. (2025) AhR Activation at the Air-Blood Barrier Alters Systemic microRNA Release After Inhalation of Particulate Matter Containing Environmentally Persistent Free Radicals. Cardiovascular toxicology, 25(5), 651.

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

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

Papakonstantinou D, et al. (2025) Integrative analysis of circulating tumor cells (CTCs) and exosomes from small-cell lung cancer (SCLC) patients: a comprehensive approach. Molecular oncology, 19(7), 2038.

Kanli A, et al. (2025) Potential Common Molecular Mechanisms Between Periodontitis and Prostate Cancer: A Network Analysis of Differentially Expressed miRNAs. In vivo (Athens, Greece), 39(2), 795.

Hashemi Karoii D, et al. (2025) Analysis of microarray and single-cell RNA-seq identifies gene co-expression, cell-cell communication, and tumor environment associated with metabolite interconversion enzyme in prostate cancer. Discover oncology, 16(1), 177.

Qian J, et al. (2025) Role of lactylation and immune infiltration in atherosclerosis: novel insights from bioinformatics analyses. Frontiers in genetics, 16, 1520325.

Sun X, et al. (2025) An immune-related signature based on molecular subtypes for predicting the prognosis and immunotherapy efficacy of hepatocellular carcinoma. Frontiers in immunology, 16, 1481366.

Wang R, et al. (2025) circRNA hsa_circ_0072107 aggravates myocardial hypertrophy via its function as a competitive endogenous RNA of miR?516b?5p. Molecular medicine reports, 32(3).

Cihan M, et al. (2025) Evaluating Genetic Regulators of MicroRNAs Using Machine Learning Models. International journal of molecular sciences, 26(12).

Xie W, et al. (2025) Identification of biomarkers related to propionate metabolism in schizophrenia. Frontiers in psychiatry, 16, 1504699.

Xu X, et al. (2025) Integrated Multi-Omics Analysis and Cross-Model Validation Reveal Mitochondrial Signatures in Alzheimer's Disease. CNS neuroscience & therapeutics, 31(10), e70634.

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.