

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>

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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: database, data or information resource, 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: 20260808T190421+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 869 mentions in open access literature.

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

Jiang H, et al. (2026) Identification and validation of energy metabolism-related genes in diabetic kidney disease through integrated bioinformatics and in vivo analysis. *Hereditas*, 163(1).

Xiaoqiang W, et al. (2026) The Biomarkers and Underlying Mechanisms of Mitochondrial and Programmed Cell Death Related Genes in Epilepsy by Combining Transcriptome and Single-Cell Sequencing. *Journal of Korean Neurosurgical Society*, 69(2), 196.

Casalone E, et al. (2026) Integration of short non coding RNA and genetic factors for coronary artery disease risk prediction in a prospective study. *Scientific reports*, 16(1).

Matboli M, et al. (2026) Role of SFTPD/miR-335-5p/lnc-HNRNPUL2 axis in colorectal cancer: in silico characterization and clinical validation. *BMC cancer*, 26(1).

Hu X, et al. (2026) Identification and Validation of MTFP1 as a Mitochondrial Target Restoring Dynamics and ECM Remodeling in Acute Myocardial Infarction. *Current issues in molecular biology*, 48(3).

Ting W, et al. (2026) Identification of NF- κ B pathway-related biomarkers in myocardial ischemia-reperfusion injury: based on transcriptomics analysis and RT-qPCR validation. *Scientific reports*, 16(1).

Wu Z, et al. (2026) Integrated NEK7-inflammasome and platelet transcriptomic signature generates mechanistic hypotheses in heart failure. *PloS one*, 21(6), e0352124.

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

Moon N, et al. (2026) Sperm sncRNA networks are synchronized by a coordination between adverse childhood experiences (ACE) and current stress. *Scientific reports*,

16(1).

Sethi A, et al. (2026) Ovine bone graft enhances osteogenic commitment in human osteoblasts via selective suppression of miR-6797-5p: In silico and in vitro study. *Journal of oral biology and craniofacial research*, 16(2), 101424.

Meng P, et al. (2026) The inhibitors of miR-224-5p, miR-339-5p, and miR-1198-5p improve auditory function by promoting the expression of neuritin in hearing loss mice. *PloS one*, 21(5), e0349821.

Vardas P, et al. (2026) Circulating miR-10b-5p as a candidate biomarker of atrial fibrillation recurrence after catheter ablation: a two-phase translational study. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*, 28(5).

You T, et al. (2026) Hypoxia-Mediated Downregulation of Exosomal miR-128-3p Promotes Lymphangiogenesis via VEGF-C in Oral Squamous Cell Carcinoma. *International journal of dentistry*, 2026, 3514074.

Westholm E, et al. (2026) Dynamic changes in circulating microRNAs during oral glucose tolerance testing support their potential as diagnostic and monitoring biomarkers in cystic fibrosis-related diabetes. *Diabetologia*, 69(5), 1370.

Gintoni I, et al. (2026) Novel Disease-Specific Panel of Salivary microRNAs for the Detection of Oral Squamous Cell Carcinoma from Early Invasion to Stage IV Disease. *International journal of molecular sciences*, 27(11).

Islam MS, et al. (2026) In-silico identification of genetic variants associated with chronic lymphocytic leukemia for diagnostic and therapeutic applications. *Scientific reports*, 16(1).

Shrestha A, et al. (2026) Sperm RNA landscape during sexual maturation in Duroc boars. *BMC genomics*, 27(1), 197.

Sun CY, et al. (2026) Translational evaluation of BUB1B as a precision medicine biomarker for hepatocellular carcinoma. *Scientific reports*, 16(1), 5301.

Xu M, et al. (2026) Identification of key miRNAs and target genes in psoriasis vulgaris and obesity co-morbidity. *European journal of medical research*, 31(1), 247.

Li X, et al. (2026) Identification and Validation of FOXK1-Related Biomarkers in Diabetic Retinopathy. *International journal of general medicine*, 19, 581708.