# Resource Summary Report

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## PicTar

RRID:SCR_003343
Type: Tool

### Proper Citation

PicTar (RRID:SCR_003343)

### Resource Information

**URL:** http://www.pictar.org

**Proper Citation:** PicTar (RRID:SCR_003343)

**Description:** An algorithm for the identification of microRNA targets. Details are provided (3' UTR alignments with predicted sites, links to various public databases etc) regarding: # microRNA target predictions in vertebrates (Krek et al, Nature Genetics 37:495-500 (2005)) # microRNA target predictions in seven Drosophila species (Grn et al, PLoS Comp. Biol. 1:e13 (2005)) # microRNA targets in three nematode species (Lall et al, Current Biology 16, 1-12 (2006)) # human microRNA targets that are not conserved but co-expressed (i.e. the microRNA and mRNA are expressed in the same tissue) (Chen and Rajewsky, Nat Genet 38, 1452-1456 (2006)) co-expressed targets

**Abbreviations:** PicTar

**Resource Type:** software resource

**Defining Citation:** PMID:15806104

**Keywords:** microrna target, microrna, bio.tools, FASEB list

**Availability:** Free, Available for download, Freely available

**Resource Name:** PicTar

**Resource ID:** SCR_003343

**Alternate IDs:** OMICS_00411, biotools:pictar, nif-0000-31983

**Alternate URLs:** http://pictar.mdc-berlin.de/, https://bio.tools/pictar

**Record Creation Time:** 20220129T080218+0000

**Record Last Update:** 20260801T190220+0000

## Ratings and Alerts

No rating or validation information has been found for PicTar.

No alerts have been found for PicTar.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 1636 mentions in open access literature.

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


Kim M, et al. (2026) Prognostic Implications of Exosomal miRNA Networks Regulating TGF?1-induced Epithelial-Mesenchymal Transition Signature in Oral Squamous Cell Carcinoma. Cancer genomics & proteomics, 23(1), 50.

Zhai K, et al. (2025) Extracellular vesicle-derived miR-146a as a novel crosstalk mechanism for high-fat induced atherosclerosis by targeting SMAD4. Journal of advanced research, 73, 729.

Ding B, et al. (2025) Resveratrol contributes to NK cell-mediated breast cancer cytotoxicity by upregulating ULBP2 through miR-17-5p downmodulation and activation of MINK1/JNK/c-Jun signaling. Frontiers in immunology, 16, 1515605.

Liu L, et al. (2025) Multi-omics dissection of CPNE1 reveals its prognostic value and immune-regulatory function in liver cancer. Discover oncology, 16(1), 1499.

Zhang J, et al. (2025) Helicobacter pylori induced miR-362-5p upregulation drives gastric cancer progression and links hepatocellular carcinoma through an exosome-dependent pathway. Frontiers in cellular and infection microbiology, 15, 1582131.

Pereira-Hernández M, et al. (2025) A comparative proteomic, transcriptomic and glycomic analysis of extracellular vesicle isolation techniques highlights ExoGAG efficiency for a more complete identification of breast milk molecular signaling pathways. Cell communication and signaling : CCS, 23(1), 412.

Luxen M, et al. (2025) Sepsis-associated acute kidney injury in mice and humans elicits heterogeneous renal microvascular microRNA responses. Scientific reports, 15(1), 34397.

Wang Y, et al. (2025) Trillin inhibits MAP3K11/NF-?B/COX-2 signaling pathways through upregulation of miR-145-5p in castration-resistant prostate cancer. iScience, 28(2), 111505.

Wu Y, et al. (2025) The Biological Role of the Signal Transducer and Activator of Transcription 1 (STAT1)-miR-221/222-3p-p21 Activated Kinase 1 (PAK1) Axis in Experimental Periodontitis. Inflammation, 48(6), 4110.

Zhai Z, et al. (2025) Identification of CircRNAs that promote cancer and their potential contribution to hepatocellular carcinoma (HCC) pathogenesis. Clinical and experimental medicine, 25(1), 60.

Khadra E, et al. (2025) Integrated analysis of post-transcriptional regulations reveals insights into acute myeloid leukemia. Communications biology, 8(1), 1768.

Dieter C, et al. (2025) Circular RNAs in diabetes mellitus and its complications: a systematic review and in silico analyses. Endocrine connections, 14(12).

Qiu AW, et al. (2025) Retinal Müller Cell-Released Exosomal MiR-92a-3p Delivers Interleukin-17A Signal by Targeting Notch-1 to Promote Diabetic Retinopathy. Investigative ophthalmology & visual science, 66(1), 1.

Wang Y, et al. (2025) Clinical significance and immune infiltration analyses of the coagulation factor V gene in brain lower grade glioma. Discover oncology, 16(1), 535.

Chiu Y, et al. (2025) Time-resolved miRNA-mRNA integrated analysis reveals the miRNA-mRNA networks underlying plasma membrane damage-dependent senescence and DNA damage response-dependent senescence in WI-38 normal human fibroblasts. RNA biology, 22(1), 1.

Zhao YQ, et al. (2025) A comprehensive pan-cancer analysis of the prognostic role and immunotherapy efficacy evaluation of Glyoxalase 1. Discover oncology, 16(1), 2326.

Kim JY, et al. (2025) MicroRNA-18b regulates cell cycle progression in papillary thyroid carcinoma by targeting CDK2: an in vitro experimental study. Annals of surgical treatment and research, 108(6), 374.

Hou Y, et al. (2025) Down-regulation of miR-125b by HPV16 E6 might promote cervical cancer progression through TAZ/TEAD. Frontiers in oncology, 15, 1444874.

Liu FF, et al. (2025) The Abnormal ER?-miRNA Cross-Talk in AD-Affected Human Hippocampus: A Bioinformatics Perspective. Molecular neurobiology, 62(6), 7998.

Gao Y, et al. (2025) Recent advances in investigation of circRNA/lncRNA-miRNA-mRNA networks through RNA sequencing data analysis. Briefings in functional genomics, 24.