

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 2026

[miRDB](#)

RRID:SCR_010848

Type: Tool

Proper Citation

miRDB (RRID:SCR_010848)

Resource Information

URL: <http://mirdb.org/miRDB/>

Proper Citation: miRDB (RRID:SCR_010848)

Description: An online database for miRNA target prediction and functional annotations.

Abbreviations: miRDB

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

Defining Citation: [PMID:18426918](#), [PMID:18048393](#)

Keywords: mirna, target, pathway, bio.tools, FASEB list

Resource Name: miRDB

Resource ID: SCR_010848

Alternate IDs: OMICS_00403, biotools:miRDb

Alternate URLs: <https://bio.tools/miRDB>

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260804T043454+0000

Ratings and Alerts

No rating or validation information has been found for miRDB.

No alerts have been found for miRDB.

Data and Source Information

Usage and Citation Metrics

We found 1862 mentions in open access literature.

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

Ma T, et al. (2026) CircAASS alleviates renal injury and fibrosis by regulating mitochondrial homeostasis in tubular epithelial cells. *Autophagy*, 22(1), 182.

Hou CH, et al. (2026) FGF-23 facilitates osteosarcoma metastasis by modulating the miR-4463/LOXL2 axis expression via the ERK, p38, and JNK signaling pathway. *International journal of medical sciences*, 23(1), 12.

Wang GS, et al. (2026) WISP-3 facilitates CCL4-dependent monocyte migration and M1 polarization in rheumatoid arthritis by inhibiting miR-6894-5p. *International journal of medical sciences*, 23(1), 301.

Ludwig L, et al. (2026) Differential expression of miRNAs in primary canine appendicular osteosarcoma tissue and pulmonary metastases. *Veterinary pathology*, 63(1), 19.

Alemi M, et al. (2025) Suppression of mTOR Signaling by miR-302/367 Cluster in Breast Cancer Cells. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(16), e70943.

Kim JM, et al. (2025) Metformin modulates FJX1 via upregulation of Hsa-miR-1306-3p to suppress colon adenocarcinoma viability. *Scientific reports*, 15(1), 6658.

Zhang P, et al. (2025) circ_0075048 silencing regulates LCP1 to improve IL-1 β -induced chondrocyte injury by binding with miR-663b. *Journal of orthopaedic surgery and research*, 20(1), 24.

Tedja MS, et al. (2025) A genome-wide scan of non-coding RNAs and enhancers for refractive error and myopia. *Human genetics*, 144(1), 67.

Panni S, et al. (2025) Integrated Analysis of microRNA Targets Reveals New Insights into Transcriptional-Post-Transcriptional Regulatory Cross-Talk. *Biology*, 14(1).

Tang Z, et al. (2025) Long noncoding RNA DHRS4 antisense RNA 1 suppresses osteosarcoma cell proliferation and promotes apoptosis through a competitive endogenous RNA mechanism. *Scientific reports*, 15(1), 2891.

Gao Y, et al. (2025) Osteoclast-derived exosomal miR-30a-3p promotes lead exposure-induced osteoporosis by triggering osteoblastic pyroptosis. *Clinical science (London, England : 1979)*, 139(7), 389.

Wang Z, et al. (2025) Olaparib increases chemosensitivity by upregulating miR-125a-3p in ovarian cancer cells. *Discover oncology*, 16(1), 291.

Kawasumi R, et al. (2025) Systemic administration of induced pluripotent stem cell-derived mesenchymal stem cells improves cardiac function through extracellular vesicle-mediated tissue repair in a rat model of ischemic cardiomyopathy. *Regenerative therapy*, 28, 253.

Liu H, et al. (2025) Plasma-Derived Exosomal i-tRF-LeuCAA as Biomarker for Glioma Diagnosis and Promoter of Epithelial-Mesenchymal Transition via TPM4 Regulation. *CNS neuroscience & therapeutics*, 31(4), e70356.

Zhao B, et al. (2025) Exosome-related genes influence the progression of stroke through neuroinflammatory responses. *Frontiers in neurology*, 16, 1517588.

Li C, et al. (2025) Pan-cancer analysis shows that TRIP13 as a potential prognostic and immunotherapeutic biomarker for multiple cancer types including LIHC and LUAD. *Medicine*, 104(22), e42588.

Wu W, et al. (2025) HOTAIR, a ferroptosis-related gene, promotes malignant behavior of breast cancer via sponging miR-206. *Discover oncology*, 16(1), 948.

Zhou L, et al. (2025) Mechanistic Study of MiR-30c-5p Regulation of SIRT Expression in Polycystic Ovary Syndrome. *Reproductive sciences (Thousand Oaks, Calif.)*, 32(10), 3400.

Wu J, et al. (2025) Pathogenic glycosyltransferase genes and potential therapeutic drugs in pressure overload-induced heart failure. *ESC heart failure*, 12(6), 4108.

Sun J, et al. (2025) DBN1-mediated upregulation of GAB2 facilitates the migration and invasion of T-cell acute lymphoblastic leukemia cells. *Oncology reports*, 54(5).