

Resource Summary Report

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miRmap

RRID:SCR_016508

Type: Tool

Proper Citation

miRmap (RRID:SCR_016508)

Resource Information

URL: <https://mirmap.ezlab.org/>

Proper Citation: miRmap (RRID:SCR_016508)

Description: Software application as an open source Python library to search and predict miRNA targets.

Resource Type: data analytics software, software application, software library, software resource, software toolkit

Defining Citation: [PMID:23034802](https://pubmed.ncbi.nlm.nih.gov/23034802/)

Keywords: search, predict, miRNA, target

Funding: Swiss Institute of Bioinformatics ;
Swiss National Science Foundation

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

Resource Name: miRmap

Resource ID: SCR_016508

Alternate URLs: <http://cegg.unige.ch/mirmap>

License: GNU GPL

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260912T195840+0000

Ratings and Alerts

No rating or validation information has been found for miRmap.

No alerts have been found for miRmap.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 227 mentions in open access literature.

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

Zhao W, et al. (2026) C1RL-AS1/microRNA-424-5p/adrenoceptor ?2 axis: A novel regulatory mechanism in lung adenocarcinoma associated with immune infiltration and prognosis. PloS one, 21(3), e0343805.

Gai C, et al. (2026) Orange-Derived Extracellular Vesicles: Characterization and Therapeutic Applications in Normal and Diabetic Wound Healing in In Vivo Models. Cells, 15(3).

Gevezova M, et al. (2026) Association of Clinical Severity in Autism Spectrum Disorder with Biomolecules Involved in Lipid Metabolism, Inflammation and miRNAs. Biomolecules, 16(2).

Flores-Fortis M, et al. (2026) Loss of miR-122 promotes cell migration and poor prognosis in triple-negative breast cancer treated by neoadjuvant chemotherapy. Clinical & translational oncology : official publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico, 28(4), 1285.

Wang X, et al. (2026) Epigenetic H3K4me3 activation of miR-155-5p promotes intervertebral disc degeneration via autophagy and ageing in nucleus pulposus cells. Non-coding RNA research, 17, 112.

Xu X, et al. (2026) A-to-I RNA editing impairs miR-376b-3p repression of RYBP in skeletal muscle satellite cells. The Journal of biological chemistry, 302(1), 111006.

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.

Singharajkomron N, et al. (2026) miR-145-5p/CAMSAP2 axis modulates cisplatin sensitivity in non-small cell lung cancer. Cancer cell international, 26(1).

Ren Z, et al. (2026) Cu(OH)₂ nanopesticide triggered heart failure-like pathogenesis in mice by potentially targeting mmu-miRNA-590-3p and mmu-miRNA-338-5p in Wnt/?-catenin signaling. Particle and fibre toxicology, 23(1).

Aytatli A, et al. (2026) Combination of hsa-miR-21-3p/ sTNF-RI/ IL12-p40 /CCL25 serves as a promising panel of diagnostic biomarkers for distinguishing malignant from benign nodules in papillary thyroid cancer. *Endocrine*, 91(1).

Parvaz N, et al. (2026) Integrative bioinformatics and molecular analysis revealed the roles of mTOR/S6K Axis, CASC15, and miR-30a-3p in laryngeal squamous cell carcinoma. *Scientific reports*, 16(1).

Wang H, et al. (2026) Identification and regulatory mechanism analysis of macrophage-related key genes in diabetic nephropathy. *Diabetology & metabolic syndrome*, 18(1).

Shi D, et al. (2026) miR-30b-5p suppresses prostate cancer progression by targeting FLVCR1 through the cAMP/PKA/CREB pathway. *Scientific reports*, 16(1).

Gholipour A, et al. (2025) MiR-6721-5p as a natural regulator of Meta-VCL is upregulated in the serum of patients with coronary artery disease. *Non-coding RNA research*, 10, 25.

Piccioni M, et al. (2025) miRNA-503 inhibition exerts anticancer effects and reduces tumor growth in mesothelioma. *Journal of experimental & clinical cancer research : CR*, 44(1), 65.

Frydas A, et al. (2025) Investigation of the role of miRNA variants in neurodegenerative brain diseases. *Frontiers in genetics*, 16, 1506169.

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.

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.

Feng L, et al. (2025) Transcriptomic insights into the mechanism of action of telomere-related biomarkers in rheumatoid arthritis. *Frontiers in immunology*, 16, 1585895.

Lee DH, et al. (2025) Tetrabenazine-induced miR-34a-5p suppresses the tumorigenicity of radioresistant colorectal cancer by inhibiting M2 macrophage polarization. *Cell communication and signaling : CCS*, 24(1), 38.