

Resource Summary Report

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[mirDIP](#)

RRID:SCR_016770

Type: Tool

Proper Citation

mirDIP (RRID:SCR_016770)

Resource Information

URL: <http://ophid.utoronto.ca/mirDIP/>

Proper Citation: mirDIP (RRID:SCR_016770)

Description: microRNA data integration portal to find microRNAs that target a gene, or genes targeted by a microRNA, in Homo sapiens. Software to integrate prediction databases to elucidate accurate microRNA:target relationships. Used for human microRNA prediction studies.

Synonyms: mirDIP 4.1, mirDIP, microRNA Data Integration Portal

Resource Type: data or information resource, database, portal

Defining Citation: [PMID:29194489](#)

Keywords: data, integral, portal, DIP, collect, predict, microRNA, gene, human

Funding: Canada Foundation for Innovation ;
Canadian Cancer Society Research Institute ;
Krembil Foundation ;
Natural Sciences Research Council ;
Ontario Research Fund

Availability: Free, Download available, Freely available, email address required to download, Acknowledgement requested

Resource Name: mirDIP

Resource ID: SCR_016770

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260912T200104+0000

Ratings and Alerts

No rating or validation information has been found for mirDIP.

No alerts have been found for mirDIP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 229 mentions in open access literature.

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

Mahemuti M, et al. (2026) Exploring hub genes related to adipocytokines in keloids: a combined analysis integrating single-cell, Mendelian randomization and bulk transcriptome data with experimental verification. *Frontiers in molecular biosciences*, 13, 1740876.

Zou X, et al. (2026) Down-regulation of circ0001361 induces apoptosis and suppresses the progression of glioma. *PloS one*, 21(4), e0343681.

Xu S, et al. (2026) Identification of the IL-1 β /miRNA-326 axis as a key regulator of ferroptosis in spinal cord injury. *BMC neuroscience*, 27(1).

Sun W, et al. (2026) Targeting of C1RP attenuates osteoarthritis progression via suppressing TLR4/NF κ B/NLRP3 signaling axis. *International journal of molecular medicine*, 57(1).

Wu E, et al. (2026) The exosomal miR-26b-3p derived from Crohn's disease-associated mesenteric adipose tissue induces M1 macrophage polarization and exacerbates ileocolonic anastomosis inflammation via the p38-MAPK signaling pathway. *Frontiers in immunology*, 17, 1754302.

Jin A, et al. (2026) 3'-phosphoadenosine 5'-phosphosulfate synthetase 2 (PAPSS2) is a potential diagnostic and prognostic biomarker in colon adenocarcinoma. *Scientific reports*, 16(1), 5655.

Kyriacou C, et al. (2025) Maternal plasma microRNAs as potential biomarkers for triaging pregnancies of unknown location and ectopic pregnancy diagnosis. *Non-coding RNA research*, 13, 162.

Pei Y, et al. (2025) Integrated analysis reveals key circRNA-mediated regulatory axes related to prognosis and immune infiltration in lung adenocarcinoma. *BMC medical genomics*, 18(1), 115.

Doğan B, et al. (2025) Candidate Biomarkers Associated With Circulating Tumor Cell Status in Metastatic Colorectal Cancer. *Journal of clinical laboratory analysis*, 39(7), e70013.

Li R, et al. (2025) Evaluating the value of circulating miR-21, miR-210 and miR-942 in the diagnosis of early-stage lung adenocarcinoma. *BMC cancer*, 25(1), 1887.

Panahi-Moghadam S, et al. (2025) Dual functions of the p53-miR-141-3p-YAP1 regulatory axis in cervical cancer progression are dependent on histological subtype. *Scientific reports*, 15(1), 23155.

Liu RC, et al. (2025) Charged multivesicular body protein 4C promotes the progression of cervical cancer through the HPV E6/miR-543 axis. *Oncology letters*, 29(6), 275.

Xiao Y, et al. (2025) POU2F1 inhibits miR-29b1/a cluster-mediated suppression of PIK3R1 and PIK3R3 expression to regulate gastric cancer cell invasion and migration. *Chinese medical journal*, 138(7), 838.

Ran S, et al. (2025) Single-cell and bulk transcriptomics reveal *Fusobacterium nucleatum* promotes colorectal cancer metastasis by upregulating LAMC2 in in vitro and in vivo models. *Scientific reports*, 15(1), 42100.

Agasso L, et al. (2025) Ohno-miRNAs: miRNA pairs derived from whole-genome duplication. *PLoS computational biology*, 21(12), e1013766.

Wu Y, et al. (2025) Study on identification and analysis of biomarkers related to neutrophils extracellular traps in childhood asthma. *Medicine*, 104(31), e43489.

Ning S, et al. (2025) LINC00968 accelerates osteogenic differentiation of bone marrow mesenchymal stem cells via the miR-17-5p/STAT3 axis. *Journal of orthopaedic surgery and research*, 20(1), 242.

Du L, et al. (2025) Downregulated Expression of miR-200c-3p in Plasma Exosome as a Potential Biomarker in Takayasu's Arteritis. *International journal of molecular sciences*, 26(7).

Li M, et al. (2025) SLC43A2-mediated immune cell infiltration: a potential therapeutic target in acute myeloid leukemia. *Frontiers in immunology*, 16, 1655766.

Lin J, et al. (2025) Orphan Class A GPCRs Signature Predicts Prognosis and Immune Microenvironment in Gastric Cancer: GPR176 Drives Tumor Progression Through Wnt Signaling and Macrophage Polarization. *Mediators of inflammation*, 2025, 7977933.