Resource Summary Report

Generated by dkNET on May 19, 2025

miRpathDB

RRID:SCR_017356
Type: Tool

Proper Citation

miRpathDB (RRID:SCR_017356)

Resource Information

URL: https://mpd.bioinf.uni-sb.de/

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Description: Collection of single miRNAs that regulate pathways, gene ontologies and other categories, hence complementing available miRNA target enrichment programs, tailored for miRNA sets. New dictionary on microRNAs and target pathways. Database to augment available target pathway web-servers by providing researches access to information which pathways are regulated by miRNA, which miRNAs target pathway and how specific regulations are.

Synonyms: miRNA Pathway Dictionary Database

Resource Type: data access protocol, database, data or information resource, web service, software resource

Defining Citation: PMID:27742822

Keywords: Collection, miRNA, data, pathway, gene, ontology, dataset, dictionary, target, regulation, bio.tools

Funding: Saarland University ;
Germany

Resource Name: miRpathDB

Resource ID: SCR_017356

Alternate IDs: biotools:miRPathDb

Alternate URLs: https://bio.tools/miRPathDB

Record Creation Time: 20220129T080334+0000

Record Last Update: 20250519T203957+0000

Ratings and Alerts

No rating or validation information has been found for miRpathDB.

No alerts have been found for miRpathDB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 42 mentions in open access literature.

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

Zhou W, et al. (2024) Hypoxia promotes metastasis by relieving miR-598-3p-restricted glycolysis in gastric cancer. Journal of translational medicine, 22(1), 283.

Rahdan F, et al. (2024) Deciphering the multifaceted role of microRNAs in hepatocellular carcinoma: Integrating literature review and bioinformatics analysis for therapeutic insights. Heliyon, 10(20), e39489.

Wu Y, et al. (2024) Exosomal miR-1470 is a diagnostic biomarker and promotes cell proliferation and metastasis in colorectal cancer. Cancer medicine, 13(7), e7117.

Osaki T, et al. (2024) Early differential impact of MeCP2 mutations on functional networks in Rett syndrome patient-derived human cerebral organoids. bioRxiv : the preprint server for biology.

Zhang R, et al. (2024) [Application Research of Serum miR-4646-5p, miR-3654 Combined with Traditional Lung Cancer Tumor Markers in the Diagnosis of Lung Cancer in Xuanwei, Yunnan Province]. Zhongguo fei ai za zhi = Chinese journal of lung cancer, 27(9), 654.

Gecaj RM, et al. (2024) Validation of Selected MicroRNA Transcriptome Data in the Bovine Corpus Luteum during Early Pregnancy by RT-qPCR. Current issues in molecular biology, 46(7), 6620.

Tsai YC, et al. (2024) MicroRNA?155?5p inhibits trophoblast cell proliferation and invasion by disrupting centrosomal function. Molecular medicine reports, 29(5).

Escalante PI, et al. (2024) Exploring the impact of MiR-92a-3p on FOLFOX chemoresistance biomarker genes in colon cancer cell lines. Frontiers in pharmacology, 15, 1376638.

Joshi R, et al. (2024) Noncoding RNA landscape and their emerging roles as biomarkers and therapeutic targets in meningioma. Molecular therapy. Oncology, 32(1), 200782.

Su H, et al. (2024) Impact of miR-29c-3p in the Nucleus Accumbens on Methamphetamine-Induced Behavioral Sensitization and Neuroplasticity-Related Proteins. International journal of molecular sciences, 25(2).

Sartorius K, et al. (2024) Serum microRNA Profiles and Pathways in Hepatitis B-Associated Hepatocellular Carcinoma: A South African Study. International journal of molecular sciences, 25(2).

Rahnama S, et al. (2023) Milk thistle nano-micelle formulation promotes cell cycle arrest and apoptosis in hepatocellular carcinoma cells through modulating miR-155-3p /SOCS2 /PHLDA1 signaling axis. BMC complementary medicine and therapies, 23(1), 337.

Li X, et al. (2023) Inhibition of MiR-106b-5p mediated by exosomes mitigates acute kidney injury by modulating transmissible endoplasmic reticulum stress and M1 macrophage polarization. Journal of cellular and molecular medicine, 27(19), 2876.

Azari H, et al. (2023) Machine learning algorithms reveal potential miRNAs biomarkers in gastric cancer. Scientific reports, 13(1), 6147.

Du X, et al. (2022) Circular RNA hsa_circ_0083756 promotes intervertebral disc degeneration by sponging miR-558 and regulating TREM1 expression. Cell proliferation, 55(4), e13205.

Fan L, et al. (2022) Hotair promotes the migration and proliferation in ovarian cancer by miR-222-3p/CDK19 axis. Cellular and molecular life sciences : CMLS, 79(5), 254.

Shen Z, et al. (2022) Long non-coding RNA PTPRG-AS1/microRNA-124-3p regulates radiosensitivity of nasopharyngeal carcinoma via the LIM Homeobox 2-dependent Notch pathway through competitive endogenous RNA mechanism. Bioengineered, 13(4), 8208.

Orang A, et al. (2022) A functional screen with metformin identifies microRNAs that regulate metabolism in colorectal cancer cells. Scientific reports, 12(1), 2889.

Benkner A, et al. (2022) Riociguat attenuates the changes in left ventricular proteome and microRNA profile after experimental aortic stenosis in mice. British journal of pharmacology, 179(18), 4575.

Zheng Z, et al. (2021) CircPVT1 promotes progression in clear cell renal cell carcinoma by sponging miR-145-5p and regulating TBX15 expression. Cancer science, 112(4), 1443.