

Resource Summary Report

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DIANA-mirPath

RRID:SCR_017354

Type: Tool

Proper Citation

DIANA-mirPath (RRID:SCR_017354)

Resource Information

URL: <http://snf-515788.vm.oceanos.grnet.gr/>

Proper Citation: DIANA-mirPath (RRID:SCR_017354)

Description: Web tool for integrating human and mouse microRNAs in pathways. Pathway analysis web-server, providing statistics, while being able to accommodate advanced pipelines. Web server for assessment of miRNA regulatory roles and identification of controlled pathways. Supports all analyses for KEGG molecular pathways and Gene Ontology (GO) in seven species (Homo sapiens, Mus musculus, Rattus norvegicus, Drosophila melanogaster, Caenorhabditis elegans, Gallus gallus and Danio rerio). DIANA miRPath v.2.0 includes investigating combinatorial effect of microRNAs in pathways. DIANA-miRPath v3.0 includes deciphering microRNA function with experimental support., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16, 2025.

Synonyms: miRPath, miRPathv3, miRPathv2, DIANA-miRPath v2.0, DIANA-miRPath v3.0

Resource Type: analysis service resource, data access protocol, data analysis service, production service resource, service resource, software resource, web service

Defining Citation: [PMID:25977294](#), [PMID:19435746](#), [PMID:22649059](#)

Keywords: Pathway, analysis, statistics, assessment, miRNA, identify, regulatory, role, bio.tools

Funding: Development Grants For Research Institutions – KRIPIS ;
European Regional Development Fund ;
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Greece ;
John S. Latsis Public Benefit Foundation

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: DIANA-mirPath

Resource ID: SCR_017354

Alternate IDs: SCR_017495, biotools:diana-mirpath

Alternate URLs: <http://diana.imis.athena-innovation.gr/DianaTools/>,
<http://www.microrna.gr/miRPathv3>, <https://bio.tools/diana-mirpath>

Old URLs: <http://www.microrna.gr/miRPathv2>

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260912T195852+0000

Ratings and Alerts

No rating or validation information has been found for DIANA-mirPath.

No alerts have been found for DIANA-mirPath.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 424 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Lodde V, et al. (2026) X chromosome-encoded microRNAs in immune regulation: sex differences and clinical implications. *Frontiers in global women's health*, 7, 1758961.

Nurdinov N, et al. (2026) miR-484 sensitizes in IDH-wild and IDH-mutant glioblastoma cells to temozolomide by inhibiting oncogenic FOXM1 signaling. *Cancer cell international*, 26(1).

Long Q, et al. (2026) Adipose Tissue-Derived Exosome and miR-142a-3p Alleviate Acute Lung Injury by Inhibiting HMGB1-Driven Autophagy. *Cells*, 15(3).

Xing J, et al. (2026) Versatile DNA Hydrogel-Mediated Delivery of Ginsenoside-Encapsulated Small Extracellular Vesicles to Boost Diabetic Wound Repair. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(25), e22920.

Xu M, et al. (2026) Multi-omics profiling reveals epidermal growth factor as a potential biomarker and therapeutic target in lupus nephritis and ANCA-associated vasculitis with rapidly progressive glomerulonephritis. *PloS one*, 21(5), e0349307.

Yan W, et al. (2026) An integrated bioinformatics analysis identifying ALOX15 as a novel pharmacological target for retinitis pigmentosa and diabetic retinopathy. *Medicine*, 105(20), e47569.

Binet F, et al. (2025) Exploring the molecular cargos associated with extracellular vesicles extracted from bone tissue to identify novel players in osteoblast function. *American journal of physiology. Cell physiology*, 329(5), C1521.

Ma Y, et al. (2025) Characteristics of extracellular vesicle-derived lncRNAs during the progression of HBV-related hepatocellular carcinoma. *BMC cancer*, 25(1), 1768.

Alghamian Y, et al. (2025) Exploring miRNA profile associated with cisplatin resistance in ovarian cancer cells. *Biochemistry and biophysics reports*, 41, 101906.

Khammanee T, et al. (2025) Characterization and microRNA quantification of plasma-derived extracellular vesicles in patients with *Plasmodium knowlesi* infection. *Parasitology*, 152(4), 381.

Gianno F, et al. (2025) MicroRNAs Expression Profile in MN1-Altered Astroblastoma. *Biomedicines*, 13(1).

Heidari R, et al. (2025) The miRNA-mRNA Regulatory Network in Human Hepatocellular Carcinoma by Transcriptomic Analysis From GEO. *Cancer reports (Hoboken, N.J.)*, 8(1), e70098.

Wang H, et al. (2025) Molecular Characteristics, Circularization Mechanism, and Potential Functions of circRNA-0172. *Genes*, 16(11).

Agarwal A, et al. (2025) In Silico Analysis of Possible microRNAs Involved in the Pathogenesis of White-Nose Syndrome in *Myotis lucifugus*. *International journal of molecular sciences*, 26(17).

Silami?ele L, et al. (2025) Bacterial targets of fecal host miRNAs in high-fat diet-fed mice. *PloS one*, 20(2), e0315871.

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

Vaz C, et al. (2025) Short-term diet intervention comprising of olive oil, vitamin D, and omega-3 fatty acids alters the small non-coding RNA (sncRNA) landscape of human sperm. *Scientific reports*, 15(1), 7790.

Yerukala Sathipati S, et al. (2025) MicroRNA signature predicts post operative atrial fibrillation after coronary artery bypass grafting. *Scientific reports*, 15(1), 18658.

Aytekin A, et al. (2025) Bioinformatics analysis of miR-2861 and miR-5011-5p that function as potential tumor suppressors in colorectal carcinogenesis. *BMC medical genomics*, 18(1), 1.

Chen G, et al. (2025) Identification and evaluation of metabolic mRNAs and key miRNAs in colorectal cancer liver metastasis. *Cancer cell international*, 25(1), 265.