

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/>

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

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

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

Funding: European Social Fund ;
John S. Latsis Public Benefit Foundation ;
Development Grants For Research Institutions – KRIPIS ;
General Secretariat for Research and Technology ;
Ministry of Education ;
Greece ;
European Regional Development Fund

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: 20260731T043019+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 366 mentions in open access literature.

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

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

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

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

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.

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

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.

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.

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

Mirabella F, et al. (2025) Glycosylation Pathways Targeted by Deregulated miRNAs in Autism Spectrum Disorder. *International journal of molecular sciences*, 26(2).

Karlinski Zur M, et al. (2025) Altered extracellular matrix structure and elevated stiffness in a brain organoid model for disease. *Nature communications*, 16(1), 4094.

Pérez-Lázaro S, et al. (2025) Dysregulated microRNAs in blood correlate with central nervous system neuropathology of prion disease. *Veterinary research*, 56(1), 132.

Balakrishnan B, et al. (2025) Deciphering the role of crucial miRNAs involved in diabetic cardiomyopathy through a multiomics approach. *Scientific reports*, 15(1), 24456.

He L, et al. (2025) Identification of hub genes related to DNA damage response in asthma via combinative bioinformatics strategy. *The Journal of international medical research*, 53(4), 3000605251332204.

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.

Ding M, et al. (2025) Omega-3 fatty acid normalizes postsynaptic density related miRNAs and proteins in hippocampus and prevents DEHP-induced impairment of learning and memory in mice. *PloS one*, 20(7), e0313233.

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

Masoudsinaki T, et al. (2025) Altered miRNA expression in the lesions of cutaneous leishmaniasis caused by *L. major* and *L. tropica* with insights into apoptosis regulation. *Scientific reports*, 15(1), 20680.

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.

Guiot J, et al. (2025) Association of fibrotic-related extracellular vesicle microRNAs with lung involvement in systemic sclerosis. *The European respiratory journal*, 65(6).

Matboli M, et al. (2025) Innovative approaches to metabolic dysfunction-associated steatohepatitis diagnosis and stratification. *Non-coding RNA research*, 10, 206.