Resource Summary Report

Generated by NIF on May 25, 2025

DIANA-mirPath

RRID:SCR_017354
Type: Tool

Proper Citation

DIANA-mirPath (RRID:SCR_017354)

Resource Information

URL: http://snf-515788.vm.okeanos.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.

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

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

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: 20250525T031515+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 345 mentions in open access literature.

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

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.

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

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

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.

de Miranda FS, et al. (2024) MicroRNA as a promising molecular biomarker in the diagnosis of breast cancer. Frontiers in molecular biosciences, 11, 1337706.

Naik D, et al. (2024) MicroRNA-mediated epigenetic regulation of HDAC8 and HDAC6: Functional significance in cervical cancer. Non-coding RNA research, 9(3), 732.

Khaloozadeh F, et al. (2024) Exosomes derived from colorectal cancer cells take part in activation of stromal fibroblasts through regulating PHLPP isoforms. EXCLI journal, 23, 634.

Scaramele NF, et al. (2024) Leishmania infantum infection modulates messenger RNA, microRNA and long non-coding RNA expression in human neutrophils in vitro. PLoS neglected tropical diseases, 18(7), e0012318.

Dehghani A, et al. (2024) Hsa-miR-194-5p and hsa-miR-195-5p are down-regulated expressed in high dysplasia HPV-positive Pap smear samples compared to normal cytology HPV-positive Pap smear samples. BMC infectious diseases, 24(1), 182.

Garmaa G, et al. (2024) A Systematic Review and Meta-Analysis of microRNA Profiling Studies in Chronic Kidney Diseases. Non-coding RNA, 10(3).

Cañón-Beltrán K, et al. (2024) MicroRNA-148b secreted by bovine oviductal extracellular vesicles enhance embryo quality through BPM/TGF-beta pathway. Biological research, 57(1), 11.

Eritja À, et al. (2024) microRNA Expression Profile in Obesity-Induced Kidney Disease Driven by High-Fat Diet in Mice. Nutrients, 16(5).

Alimardanian L, et al. (2024) Bioinformatics Study and Experimental Evaluation of miR-182, and miR-34 Expression Profiles in Tuberculosis and Lung Cancer. Tuberculosis and respiratory diseases, 87(3), 398.

Secomandi E, et al. (2024) Differential Competitive Growth of Transgenic Subclones of Neuroblastoma Cells Expressing Different Levels of Cathepsin D Co-Cultured in 2D and 3D in Response to EGF: Implications in Tumor Heterogeneity and Metastasis. Cancers, 16(7).

Feng T, et al. (2024) Inhibition of miR-199b-5p reduces pathological alterations in osteoarthritis by potentially targeting Fzd6 and Gcnt2. eLife, 12.

Burton MA, et al. (2024) The serum small non-coding RNA (SncRNA) landscape as a molecular biomarker of age associated muscle dysregulation and insulin resistance in older adults. FASEB journal : official publication of the Federation of American Societies for

Experimental Biology, 38(3), e23423.

Ju W, et al. (2024) miR-6881-3p contributes to diminished ovarian reserve by regulating granulosa cell apoptosis by targeting SMAD4. Reproductive biology and endocrinology : RB&E, 22(1), 17.

Yu Y, et al. (2024) Reciprocal communication between FAPs and muscle cells via distinct extracellular vesicle miRNAs in muscle regeneration. Proceedings of the National Academy of Sciences of the United States of America, 121(11), e2316544121.

Matboli M, et al. (2024) Experimental investigation for nonalcoholic fatty pancreas management using probiotics. Diabetology & metabolic syndrome, 16(1), 147.