Resource Summary Report

Generated by NIF on Apr 22, 2025

miRTar

RRID:SCR_010851
Type: Tool

Proper Citation

miRTar (RRID:SCR_010851)

Resource Information

URL: http://mirtar.mbc.nctu.edu.tw/human/

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Description: An integrated web server for identifying miRNA-target interactions in human. The tool enables biologists easily to identify the biological functions and regulatory relationships between a group of known/putative miRNAs and protein coding genes. It also provides perspective of information on the miRNA targets on alternatively spliced transcripts.

Abbreviations: miRTar

Synonyms: MicroRNA Target prediction

Resource Type: analysis service resource, production service resource, data or information resource, data analysis service, data set, service resource

Funding:

Resource Name: miRTar

Resource ID: SCR_010851

Alternate IDs: OMICS_00410

Record Creation Time: 20220129T080301+0000

Record Last Update: 20250422T055623+0000

Ratings and Alerts

No rating or validation information has been found for miRTar.

No alerts have been found for miRTar.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 50 mentions in open access literature.

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

Causin RL, et al. (2024) EV-miRNAs from breast cancer patients of plasma as potential prognostic biomarkers of disease recurrence. Heliyon, 10(14), e33933.

Calderón-Peláez MA, et al. (2024) Small extracellular vesicles from the human endothelial cell line EA.hy 926 exert a self-cell activation and modulate DENV-2 genome replication and infection in naïve endothelial cells. PloS one, 19(9), e0310735.

Xylaki M, et al. (2023) miR-101a-3p Impairs Synaptic Plasticity and Contributes to Synucleinopathy. Journal of Parkinson's disease, 13(2), 179.

Aktan Ç, et al. (2022) Functional roles of miR-625-5p and miR-874-3p in the progression of castration resistant prostate cancer. Life sciences, 301, 120603.

Ganapathy K, et al. (2022) Anticancer function of microRNA-30e is mediated by negative regulation of HELLPAR, a noncoding macroRNA, and genes involved in ubiquitination and cell cycle progression in prostate cancer. Molecular oncology, 16(16), 2936.

Meryet-Figuiere M, et al. (2021) Network-Based Integration of Multi-Omics Data Identifies the Determinants of miR-491-5p Effects. Cancers, 13(16).

Lanjanian H, et al. (2021) High-throughput analysis of the interactions between viral proteins and host cell RNAs. Computers in biology and medicine, 135, 104611.

Zhou M, et al. (2021) Long non-coding RNA 01126 promotes periodontitis pathogenesis of human periodontal ligament cells via miR-518a-5p/HIF-1?/MAPK pathway. Cell proliferation, 54(1), e12957.

Mohamadzade Z, et al. (2021) Cell specific tumor suppressor effect of Hsa-miR-1226-3p through downregulation of HER2, PIK3R2, and AKT1 genes. The international journal of biochemistry & cell biology, 134, 105965.

Liu L, et al. (2021) MiR-130a-3p Alleviates Liver Fibrosis by Suppressing HSCs Activation and Skewing Macrophage to Ly6Clo Phenotype. Frontiers in immunology, 12, 696069.

Corrêa S, et al. (2021) miRNome Profiling Reveals Shared Features in Breast Cancer Subtypes and Highlights miRNAs That Potentially Regulate MYB and EZH2 Expression. Frontiers in oncology, 11, 710919.

Choudhari JK, et al. (2021) Investigation of MicroRNA and transcription factor mediated regulatory network for silicosis using systems biology approach. Scientific reports, 11(1), 1265.

Urh K, et al. (2021) Identification and Validation of New Cancer Stem Cell-Related Genes and Their Regulatory microRNAs in Colorectal Cancerogenesis. Biomedicines, 9(2).

Chaudhuri T, et al. (2021) Identification of 3'-UTR single nucleotide variants and prediction of select protein imbalance in mesial temporal lobe epilepsy patients. PloS one, 16(6), e0252475.

Li X, et al. (2021) miR-15a-3p Protects Against Isoniazid-Induced Liver Injury via Suppressing N-Acetyltransferase 2 Expression. Frontiers in molecular biosciences, 8, 752072.

Manian M, et al. (2021) An Integrated Bioinformatics Analysis of the Potential Regulatory Effects of miR-21 on T-cell Related Target Genes in Multiple Sclerosis. Avicenna journal of medical biotechnology, 13(3), 149.

Zhou X, et al. (2021) Upregulation of microRNA?140?3p mediates dachshund family transcription factor 1 expression in immunoglobulin A nephropathy through cell cycle?dependent mechanisms. Molecular medicine reports, 23(2).

Forouzanfar M, et al. (2021) Increased expression of MUSASHI1 in epithelial breast cancer cells is due to down regulation of miR-125b. BMC molecular and cell biology, 22(1), 10.

Op?awski M, et al. (2021) Molecular Landscape of the Epithelial-Mesenchymal Transition in Endometrioid Endometrial Cancer. Journal of clinical medicine, 10(7).

Grillone K, et al. (2020) Non-coding RNAs in cancer: platforms and strategies for investigating the genomic "dark matter". Journal of experimental & clinical cancer research : CR, 39(1), 117.