Resource Summary Report

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miRdSNP

RRID:SCR_005303
Type: Tool

Proper Citation

miRdSNP (RRID:SCR_005303)

Resource Information

URL: http://mirdsnp.ccr.buffalo.edu/

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Description: A database of manually curated dSNPs on the 3''UTRs of human genes from available publications in PubMed. The advanced web interface allows users to perform proximity searches between miRNA target sites and dSNPs by gene name, miRbase ID, target prediction algorithm, disease, and any nucleotide distance between dSNPs and miRNA target sites. The web interface displays detailed sequence views showing the relationship between dSNPs, miRNA target sites, and SNPs. An interactive visualization tool shows the chromosomal distribution of dSNPs, miRNA target sites (from TargetScan), and SNPs. miRdSNP provides a comprehensive data source of dSNPs and robust tools to capture their spacial relationship with miRNA target sites on the 3''UTRs of human genes. miRdSNP enables researchers to further explore the molecular mechanism of gene dysregulation for dSNPs at posttranscriptional level.

Abbreviations: miRdSNP

Synonyms: miRdSNP - a database of disease-associated SNPs and microRNA target sites on 3''UTRs of human genes

Resource Type: database, data or information resource

Defining Citation: PMID:22276777

Funding:

Availability: Free, Public

Resource Name: miRdSNP

Resource ID: SCR_005303

Alternate IDs: OMICS_00389

Record Creation Time: 20220129T080229+0000

Record Last Update: 20250519T204657+0000

Ratings and Alerts

No rating or validation information has been found for miRdSNP.

No alerts have been found for miRdSNP.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Gu J, et al. (2024) Noncanonical functions of microRNAs in the nucleus. Acta biochimica et biophysica Sinica, 56(2), 151.

Adjeroh DA, et al. (2024) Challenges in LncRNA Biology: Views and Opinions. Non-coding RNA, 10(4).

Chen M, et al. (2024) miRSNP rs188493331: A key player in genetic control of microRNA-induced pathway activation in hypertrophic scars and keloids. Skin research and technology : official journal of International Society for Bioengineering and the Skin (ISBS) [and] International Society for Digital Imaging of Skin (ISDIS) [and] International Society for Skin Imaging (ISSI), 30(5), e13686.

Jmel H, et al. (2024) Pharmacogenetic landscape of pain management variants among Mediterranean populations. Frontiers in pharmacology, 15, 1380613.

Mukherjee M, et al. (2022) Investigating the interference of single nucleotide polymorphisms with miRNA mediated gene regulation in pancreatic ductal adenocarcinoma: An in silico approach. Gene, 819, 146259.

Liu X, et al. (2021) Three functional polymorphisms in CCDC170 were associated with

osteoporosis phenotype. Biology open, 10(4).

Arvaniti P, et al. (2020) Linking genetic variation with epigenetic profiles in Sjögren's syndrome. Clinical immunology (Orlando, Fla.), 210, 108314.

Abdi A, et al. (2020) The Computational Analysis Conducted on miRNA Target Sites in Association with SNPs at 3'UTR of ADHD-implicated Genes. Central nervous system agents in medicinal chemistry, 20(1), 58.

Zhu R, et al. (2020) Association between microRNA binding site polymorphisms in immunoinflammatory genes and recurrence risk of ischemic stroke. Genomics, 112(3), 2241.

Roca-Ayats N, et al. (2019) Functional characterization of the C7ORF76 genomic region, a prominent GWAS signal for osteoporosis in 7q21.3. Bone, 123, 39.

Su L, et al. (2019) Meta-Analysis of Gene Expression and Identification of Biological Regulatory Mechanisms in Alzheimer's Disease. Frontiers in neuroscience, 13, 633.

Xie L, et al. (2019) CircERCC2 ameliorated intervertebral disc degeneration by regulating mitophagy and apoptosis through miR-182-5p/SIRT1 axis. Cell death & disease, 10(10), 751.

Hernández-Romero IA, et al. (2019) The Regulatory Roles of Non-coding RNAs in Angiogenesis and Neovascularization From an Epigenetic Perspective. Frontiers in oncology, 9, 1091.

Martínez-Gil N, et al. (2018) Common and rare variants of WNT16, DKK1 and SOST and their relationship with bone mineral density. Scientific reports, 8(1), 10951.

Mishra S, et al. (2018) ILDgenDB: integrated genetic knowledge resource for interstitial lung diseases (ILDs). Database : the journal of biological databases and curation, 2018.

Saik OV, et al. (2018) Novel candidate genes important for asthma and hypertension comorbidity revealed from associative gene networks. BMC medical genomics, 11(Suppl 1), 15.

Sun C, et al. (2018) Genetic polymorphism of SLC31A1 is associated with clinical outcomes of platinum-based chemotherapy in non-small-cell lung cancer patients through modulating microRNA-mediated regulation. Oncotarget, 9(35), 23860.

Toraih EA, et al. (2017) Structure and functional impact of seed region variant in MIR-499 gene family in bronchial asthma. Respiratory research, 18(1), 169.

Moszy?ska A, et al. (2017) SNPs in microRNA target sites and their potential role in human disease. Open biology, 7(4).

Amin-Beidokhti M, et al. (2017) The role of parental microRNA alleles in recurrent pregnancy loss: an association study. Reproductive biomedicine online, 34(3), 325.