Resource Summary Report

Generated by kravitz2 on Jul 31, 2026

miRBase

RRID:SCR_003152
Type: Tool

Proper Citation

miRBase (RRID:SCR_003152)

Resource Information

URL: http://www.mirbase.org/

Proper Citation: miRBase (RRID:SCR_003152)

Description: Central online repository for microRNA nomenclature, sequence data, annotation and target prediction.Collection of published miRNA sequences and annotation.

Abbreviations: miRBase

Synonyms: microRNA database

Resource Type: service resource, data repository, naming service, data or information resource, database, storage service resource

Defining Citation: PMID:24275495, PMID:21037258, PMID:20205188, PMID:17991681, PMID:16957372, PMID:16381832, PMID:14681370

Keywords: gene, annotation, hairpin, microrna, nomenclature, rna, sequence, target, transcript, unique name, mirna registry, genetics, bio.tools, FASEB list

Funding: BBSRC ;
Wellcome Trust Sanger Institute

Availability: Free, Available for download, Freely available

Resource Name: miRBase

Resource ID: SCR_003152

Alternate IDs: SCR_017497, r3d100010670, nif-0000-03134, biotools:mirbase

Alternate URLs: http://microrna.sanger.ac.uk/, https://bio.tools/mirbase, https://doi.org/10.17616/R3VG8D

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260731T042642+0000

Ratings and Alerts

No rating or validation information has been found for miRBase.

No alerts have been found for miRBase.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9669 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Kärkkäinen M, et al. (2026) Integrative omics approaches to uncover liquid-based cancer-predicting biomarkers in Lynch syndrome. International journal of cancer, 158(1), 243.

Guo X, et al. (2026) HBx hijacks the miR-19a-3p/BAMBI/TGF-?1 axis to impair the anti-tumour activity of CD4+ T cells in diffuse large B-cell lymphoma. Clinical and translational medicine, 16(1), e70578.

Leban T, et al. (2026) Multiomics Data Synthesis of FAM83H in Amelogenesis Imperfecta. International dental journal, 76(1), 109293.

Mu L, et al. (2026) DiCleavePlus: A Transformer-Based Model to Detect Human Dicer Cleavage Sites Within Cleavage Patterns. Genes to cells : devoted to molecular & cellular mechanisms, 31(1), e70074.

Ma T, et al. (2026) CircAASS alleviates renal injury and fibrosis by regulating mitochondrial homeostasis in tubular epithelial cells. Autophagy, 22(1), 182.

Wang Y, et al. (2026) METTL3 inhibits LINC00312 to suppress osteoporosis progression in a YTHDF2?dependent manner. International journal of molecular medicine, 57(1).

Mokhtari A, et al. (2025) Using multiomic integration to improve blood biomarkers of major depressive disorder: a case-control study. EBioMedicine, 113, 105569.

Mendes EA, et al. (2025) RUNX2 inhibition disrupts a PAX3::FOXO1-RUNX2 feed-forward loop and dismantles oncogenic gene programs in fusion-positive rhabdomyosarcoma. bioRxiv : the preprint server for biology.

Wang T, et al. (2025) Multiomics analysis provides insights into musk secretion in muskrat and musk deer. GigaScience, 14.

Ling X, et al. (2025) miRNA-34a-5p inhibits chicken myoblasts proliferation and differentiation via NOTCH1 inhibition. Poultry science, 104(3), 104895.

Wang L, et al. (2025) Electroacupuncture alleviates functional constipation by upregulating host-derived miR-205-5p to modulate gut microbiota and tryptophan metabolism. Frontiers in microbiology, 16, 1517018.

Pértille F, et al. (2025) Sex-Specific Methylomic and Transcriptomic Responses of the Avian Pineal Gland to Unpredictable Illumination Patterns. Journal of pineal research, 77(2), e70040.

Tan H, et al. (2025) Cross-kingdom regulation of gene expression in giant pandas via plant-derived miRNA. Frontiers in veterinary science, 12, 1509698.

Elmayan T, et al. (2025) Arabidopsis SGS3 is recruited to chromatin by CHR11 to select RNA that initiate siRNA production. Nature communications, 16(1), 2978.

Bai Y, et al. (2025) A 24-nt miR9560 modulates the transporter gene BrpHMA2 expression in Brassica parachinensis. The plant genome, 18(1), e70013.

Zhang S, et al. (2025) Integrative mRNA and miRNA Expression Profiles from Developing Zebrafish Head Highlight Brain-Preference Genes and Regulatory Networks. Molecular neurobiology, 62(2), 2148.

Zhang X, et al. (2025) Melatonin-pretreated mesenchymal stem cell-derived exosomes alleviate cavernous fibrosis in a rat model of nerve injury-induced erectile dysfunction via miR-145-5p/TGF-?/Smad axis. Stem cell research & therapy, 16(1), 96.

Cervera-Seco L, et al. (2025) Characterization of the Regulatory Landscape in Crohn's Disease Reveals microRNA-Associated Alterations that Shape Anti-TNF Response. Inflammatory bowel diseases, 31(7), 1980.

Payne D, et al. (2025) miR398 targets a Cu2+-containing Selenium Binding Protein (SBP) in rice and the phylogenetic analysis of the miR398-SBP module in plants. BMC plant biology, 25(1), 167.

Luo M, et al. (2025) The interplay between epigenomic and transcriptomic variation during ecotype divergence in stickleback. BMC biology, 23(1), 70.