

Resource Summary Report

Generated by [ASWG](#) on Aug 3, 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: data or information resource, database, data repository, service resource, storage service resource, naming service

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: 20260803T040355+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 [ASWG](#) .

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.

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.

Guo X, et al. (2026) HBx hijacks the miR-19a-3p/BAMBI/TGF- β 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.

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.

Puttemans J, et al. (2025) Inhibitors of Tax1-PDZ Interactions Block HTLV-1 Viral Transmission by Changing EV Composition. *Journal of extracellular vesicles*, 14(8), e70137.

Chen B, et al. (2025) miRNA-mRNA integrated analysis reveals candidate genes associated with salt stress response in Halophytic *Sonneratia apetala*. *RNA biology*, 22(1), 1.

Zhu H, et al. (2025) An efficient framework to decipher microRNA regulatory programs applied to T cells. *Genes and immunity*.

Johnson RM, et al. (2025) Expression of endogenous *Anopheles gambiae* microRNAs using an *Anopheles gambiae* densovirus (AgDNV) intronic expression system. *Parasites & vectors*, 18(1), 355.

Tiwari H, et al. (2025) In Silico Hybridization and Molecular Dynamics Simulations for the Identification of Candidate Human MicroRNAs for Inhibition of Virulent Proteins' Expression in *Staphylococcus aureus*. *Journal of cellular biochemistry*, 126(1), e30684.

Shi L, et al. (2025) Upregulated let-7 expression in the follicular fluid of patients with endometriomas leads to dysfunction of granulosa cells through targeting of IGF1R. *Human reproduction (Oxford, England)*, 40(1), 119.

Tokunaga T, et al. (2025) Role of long non-coding RNA leucine-rich repeat containing 75 A-antisense RNA1 in the invasion and progression of renal cell carcinoma. *Oncology reports*, 53(1).

Hirohata R, et al. (2025) Prediction of Pathologic Complete Response in Esophageal Squamous Cell Carcinoma Using Preoperative Serum Small Ribonucleic Acid Obtained After Neoadjuvant Chemoradiotherapy. *Annals of surgical oncology*, 32(1), 570.

Ferreira SS, et al. (2025) Early changes in microRNA expression in *Arabidopsis* plants infected with the fungal pathogen *Fusarium graminearum*. *PloS one*, 20(2), e0318532.

Shilikbay T, et al. (2025) RNA helicase MOV10 suppresses fear memory and dendritic arborization and regulates microtubule dynamics in hippocampal neurons. *BMC biology*, 23(1), 36.

Wu J, et al. (2025) Whole-transcriptome analysis reveals the profiles and roles of coding and non-coding RNAs during hair follicle cycling in Rex rabbits. *BMC genomics*, 26(1), 74.