Resource Summary Report

Generated by RRID on Aug 2, 2026

RNA22

RRID:SCR_016507
Type: Tool

Proper Citation

RNA22 (RRID:SCR_016507)

Resource Information

URL: https://cm.jefferson.edu/rna22/

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Description: Software tool as a pattern based algorithm for detecting microRNA binding sites and their corresponding microRNA and mRNA complexes. Allows interactive exploration and visualization of miRNA target predictions. Permits link-out to external expression repositories and databases.

Abbreviations: RNA22

Synonyms: RiboNucleic Acid 22

Resource Type: data analysis software, software application, software resource, sequence analysis software, data processing software

Keywords: pattern, based, detecting, microRNA, binding, site, complex, sequence, genome, analysis, FASEB list

Funding: A Star ;
Singapore ;
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NIH AI54973

Availability: Free, Available for download, Freely available

Resource Name: RNA22

Resource ID: SCR_016507

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260801T190545+0000

Ratings and Alerts

No rating or validation information has been found for RNA22.

No alerts have been found for RNA22.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 192 mentions in open access literature.

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

Dashti NR, et al. (2025) Circulating lncRNA HOTAIR is a biomarker for pediatric acute lymphoblastic leukemia and mediator of miR-326 exosomal export. Scientific reports, 15(1), 4901.

Du Y, et al. (2025) Unraveling enhanced liver regeneration in ALPPS: Integrating multi-omics profiling and in vivo CRISPR in mouse models. Hepatology communications, 9(3).

Wang P, et al. (2025) miR-182-5p facilitates colorectal cancer progression through manipulating neurocalcin delta mediated Wnt/?-catenin signalling. European journal of medical research, 30(1), 352.

Wu N, et al. (2025) Circular RNA hsa_circ_0000118 promotes atrial fibrosis by regulating the microRNA?34a?5p/Smad4 axis. Molecular medicine reports, 32(6).

Vats P, et al. (2025) Long noncoding RNA TMPO-AS1 upregulates chromosomal passenger complex expression to promote cell proliferation in lung cancer via sponging microRNA let-7b-5p. Cell division, 20(1), 24.

Yaghobinejad M, et al. (2025) Identification and validation of stage-specific microRNAs and target genes for prostate cancer: Utilizing bioinformatics tools for diagnostic marker discovery. PloS one, 20(11), e0315366.

Al-Abbas NS, et al. (2025) TRIM26 as a dual regulator of ferroptosis and chemoresistance in gastric cancer through HSF1 ubiquitination and exosomal miR-24-3p signaling. Translational oncology, 60, 102489.

Liu FF, et al. (2025) The Abnormal ER?-miRNA Cross-Talk in AD-Affected Human Hippocampus: A Bioinformatics Perspective. Molecular neurobiology, 62(6), 7998.

Zhang H, et al. (2025) Unveiling the potential of MSC extracellular vesicles: MiR-122-5p enhancing chondrocyte regeneration in osteoarthritis via autophagy mechanism. Stem cell research & therapy, 16(1), 289.

Saadatpour F, et al. (2025) Exploring LAT-derived miRNAs as regulatory agents of EphrinA3 in glioblastoma multiforme. Biochemistry and biophysics reports, 43, 102132.

Jari M, et al. (2024) Enhancing protein production and growth in chinese hamster ovary cells through miR-107 overexpression. AMB Express, 14(1), 16.

Khan A, et al. (2024) Antiviral Shrimp lncRNA06 Possesses Anti-Tumor Activity by Inducing Apoptosis of Human Gastric Cancer Stem Cells in a Cross-Species Manner. Marine drugs, 22(5).

Wang S, et al. (2024) CircFN1 promotes acute myeloid leukemia cell proliferation and invasion but refrains apoptosis via miR-1294/ARHGEF10L axis. The Kaohsiung journal of medical sciences, 40(3), 221.

Mohammed A, et al. (2024) Oncogenic LINC00698 suppresses apoptosis of melanoma stem cells to promote tumorigenesis via LINC00698-miR-3132-TCF7/hnRNPM axis. Cancer cell international, 24(1), 269.

Xu X, et al. (2024) MicroRNA-1258 suppresses oxidative stress and inflammation in septic acute lung injury through the Pknox1-regulated TGF-?1/SMAD3 cascade. Clinics (Sao Paulo, Brazil), 79, 100354.

Yan M, et al. (2024) Saikosaponin D alleviates inflammatory response of osteoarthritis and mediates autophagy via elevating microRNA-199-3p to target transcription Factor-4. Journal of orthopaedic surgery and research, 19(1), 151.

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.

Shah AU, et al. (2024) The dual actions of miRNA16a in restricting Bovine Coronavirus replication through downregulation of Furin and enhancing the host immune response. Scientific reports, 14(1), 29308.

Liguori M, et al. (2024) An early Transcriptomic Investigation in Adult Patients with Spinal Muscular Atrophy Under Treatment with Nusinersen. Journal of molecular neuroscience : MN, 74(4), 89.

Wu L, et al. (2024) A miR-219-5p-bmal1b negative feedback loop contributes to circadian regulation in zebrafish. Communications biology, 7(1), 1671.