

Resource Summary Report

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

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

Funding: A Star ;
Singapore ;
NIDDK DK04763;
NIH AI54973

Availability: Free, Available for download, Freely available

Resource Name: RNA22

Resource ID: SCR_016507

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260729T044419+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 [nidm-terms](#) .

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).

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.

Wang P, et al. (2025) miR-182-5p facilitates colorectal cancer progression through manipulating neurocalcin delta mediated Wnt/ β -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.

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

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.

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- β 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.