

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

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: 20260829T182516+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 222 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Hao Z, et al. (2026) Hypoxia-induced Schwann cells-derived extracellular vesicles carrying LncRNA TNXA-PS1 promote recovery post sciatic nerve injury. *Communications biology*, 9(1).

Ahmad W, et al. (2026) Dysregulated host miRNAs with antiviral potential against SARS-CoV-2 identified from COVID-19 patients. *Journal of translational medicine*, 24(1).

Chen Y, et al. (2026) Correlation between the expression levels of miR-199a-3p and FN1 in serum and aqueous humor and the severity of type 2 diabetic retinopathy in a Chinese population. *BMC ophthalmology*, 26(1).

Singh B, et al. (2026) Extracellular vesicle-derived miRNA-182-5p educates macrophages towards an immunosuppressive phenotype in pancreatic cancer. *Signal transduction and targeted therapy*, 11(1), 31.

Yao X, et al. (2026) A dynamic Dif/lncRNA-CR42715/miR-965-3p feedback loop orchestrates toll pathway immunity response in *Drosophila*. *PLoS pathogens*, 22(3), e1014055.

Matboli M, et al. (2026) Machine learning-based prediction model for drug target identification and MASH improvement: a comprehensive analysis of biochemical and ferroptosis/autophagy biomarkers. *Journal of physiology and biochemistry*, 82(1).

Aytatli A, et al. (2026) Combination of hsa-miR-21-3p/ sTNF-RI/ IL12-p40 /CCL25 serves as a promising panel of diagnostic biomarkers for distinguishing malignant from benign nodules in papillary thyroid cancer. *Endocrine*, 91(1).

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).

Razipour M, et al. (2025) Dysregulated LINC01133 expression in laryngeal carcinoma: Prognostic implications and predicted ceRNA interactome. *Molecular biology research*

communications, 14(1), 93.

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/Smad4 axis. Molecular medicine reports, 32(6).

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.

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.

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.

Dey RK, et al. (2025) MicroRNA-129-5p-mediated translational repression of microglial ROCK1 leads to enhanced phagocytosis. The Journal of biological chemistry, 301(7), 110293.

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

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

Li Y, et al. (2025) Bone marrow mesenchymal stem cell-derived exosomal microRNA-335 alleviates vascular calcification by targeting SP1. Frontiers in cardiovascular medicine, 12, 1572045.

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.