Resource Summary Report

Generated by Kravitz on Sep 10, 2026

CancerMIRNome

RRID:SCR_022092
Type: Tool

Proper Citation

CancerMIRNome (RRID:SCR_022092)

Resource Information

URL: http://bioinfo.jialab-ucr.org/CancerMIRNome/

Proper Citation: CancerMIRNome (RRID:SCR_022092)

Description: Web server for cancer miRNome interactive analysis and visualization based on human miRNome data of cancer types from The Cancer Genome Atlas, and public cancer circulating miRNome profiling datasets from NCBI Gene Expression Omnibus and ArrayExpress. Comprehensive database for interactive analysis and visualization of miRNA expression profiles.

Resource Type: data access protocol, data or information resource, database, software resource, web service

Defining Citation: DOI:10.1093/nar/gkab784

Keywords: cancer miRNome interactive analysis, human miRNome data, cancer data, miRNA expression profiles

Funding: National Natural Science Foundation of China ;
Riverside Faculty Start-up Fund ;
Science and Technology Project of Guizhou Province ;
UC Academic Senate CoR Research Grant ;
UC Cancer Research Coordinating Committee Competition Award ;
United States Department of Agriculture

Availability: Free, Freely available

Resource Name: CancerMIRNome

Resource ID: SCR_022092

Record Creation Time: 20220421T050138+0000

Record Last Update: 20260905T132950+0000

Ratings and Alerts

No rating or validation information has been found for CancerMIRNome.

No alerts have been found for CancerMIRNome.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 48 mentions in open access literature.

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

Kousik SP, et al. (2026) A competing TMPO-AS1-let-7b-5p-kinesin superfamily RNA network predicts poor lung cancer patient survival. Reports of practical oncology and radiotherapy : journal of Greatpoland Cancer Center in Poznan and Polish Society of Radiation Oncology, 31(1), 1.

Goswami S, et al. (2026) miRNA-Mediated Signaling Networks in Non-Small Cell Lung Cancer: Linking Tumor Progression to Sarcopenia. International journal of molecular sciences, 27(11).

Huang Y, et al. (2025) Fusobacterium nucleatum promotes metastasis of breast cancer via the miR-21-3p/FOXO3 axis. Frontiers in oncology, 15, 1530269.

Zhang Y, et al. (2025) miR-378a-5p targets FGR to suppress proliferation, invasion and migration in lung adenocarcinoma cells. Translational cancer research, 14(8), 4920.

Nema R, et al. (2025) Bioinformatics insights into TMPO-AS1-let-7b-5p-ESPL1/E2F8 regulatory axis in breast cancer. Frontiers in cell and developmental biology, 13, 1635862.

Rezasoltani S, et al. (2025) FadA antigen of Fusobacterium nucleatum: implications for ceRNA network in colorectal cancer and adenomatous polyps progression. Discover oncology, 16(1), 58.

Liu J, et al. (2025) MiR-493-5p functions as a tumour suppressor in head and neck squamous cell carcinoma progression by targeting HIF-1?. Discover oncology, 16(1), 899.

Do?an B, et al. (2025) Candidate Biomarkers Associated With Circulating Tumor Cell Status in Metastatic Colorectal Cancer. Journal of clinical laboratory analysis, 39(7), e70013.

Chatterjee M, et al. (2025) Activated protein C promotes human lung cancer progression through the release of tumor extracellular vesicles and transfer of microRNA-200a. Cell death & disease, 16(1), 848.

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.

Sánchez-Martin S, et al. (2024) Tumoral periprostatic adipose tissue exovesicles-derived miR-20a-5p regulates prostate cancer cell proliferation and inflammation through the RORA gene. Journal of translational medicine, 22(1), 661.

Xie S, et al. (2024) Upregulation of miRNA-450b-5p targets ACTB to affect drug resistance and prognosis of ovarian cancer via the PI3K/Akt signaling pathway. Translational cancer research, 13(9), 4800.

Chen L, et al. (2024) Construction of an exosome-associated miRNA-mRNA regulatory network and validation of FYCO1 and miR-17-5p as potential biomarkers associated with ovarian cancer. Translational cancer research, 13(2), 1052.

Yoshida M, et al. (2024) Plasma extracellular vesicle microRNAs reflecting the therapeutic effect of the CBP/?-catenin inhibitor PRI-724 in patients with liver cirrhosis. Scientific reports, 14(1), 6266.

Liu Y, et al. (2024) ExomiRHub: A comprehensive database for hosting and analyzing human disease-related extracellular microRNA transcriptomics data. Computational and structural biotechnology journal, 23, 3104.

Palomino-Vizcaino G, et al. (2024) The Natural History of Cervical Cancer and the Case for MicroRNAs: Is Human Papillomavirus Infection the Whole Story? International journal of molecular sciences, 25(23).

Liang J, et al. (2024) Identification and clinical value of a new ceRNA axis (TIMP3/hsa-miR-181b-5p/PAX8-AS1) in thyroid cancer. Health science reports, 7(2), e1859.

Hassanin AAI, et al. (2024) Circulating Exosomal miRNA Profiles in Non-Small Cell Lung Cancers. Cells, 13(18).

Ding Q, et al. (2024) Non-coding RNA-related FCGBP downregulation in head and neck squamous cell carcinoma: a novel biomarker for predicting paclitaxel resistance and immunosuppressive microenvironment. Scientific reports, 14(1), 4426.

Armstrong L, et al. (2024) The Suppression of the Epithelial to Mesenchymal Transition in Prostate Cancer through the Targeting of MYO6 Using MiR-145-5p. International journal of molecular sciences, 25(8).