

Resource Summary Report

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RNAcentral

RRID:SCR_023115

Type: Tool

Proper Citation

RNAcentral (RRID:SCR_023115)

Resource Information

URL: <https://rnacentral.org/>

Proper Citation: RNAcentral (RRID:SCR_023115)

Description: Non coding RNA sequence database. Comprehensive ncRNA sequence collection representing all ncRNA types from broad range of organisms.

Resource Type: data or information resource, database

Keywords: non-coding RNA sequences, ncRNA sequence collection, organisms ncRNA sequence

Funding: Biotechnology and Biological Sciences Research Council

Availability: Free, Freely available

Resource Name: RNAcentral

Resource ID: SCR_023115

Record Creation Time: 20230116T062750+0000

Record Last Update: 20260905T133218+0000

Ratings and Alerts

No rating or validation information has been found for RNAcentral.

No alerts have been found for RNAcentral.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 98 mentions in open access literature.

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

Saleri S, et al. (2026) Alterations of microRNAs across human and mouse limbic brain areas: molecular mechanisms and biological processes involved in major depressive disorder. *Neurobiology of stress*, 42, 100816.

, et al. (2026) RNAcentral in 2026: genes and literature integration. *Nucleic acids research*, 54(D1), D303.

Claus C, et al. (2026) Extracellular Small RNAs in Human Milk: Molecular Profiles, Stability and Fragment-Specific Responses in Cell-Based Assays. *Non-coding RNA*, 12(1).

Xu J, et al. (2026) Functionally redundant Rho GTPases Cdc42 and RacA regulate aflatoxin synthesis and pathogenicity in *Aspergillus flavus* by controlling morphogenesis, oxidative balance and energy metabolism. *Mycology*, 17(1), 2527381.

Parakkunnel R, et al. (2026) Integrative Analysis of lncRNA-RBP (RNA-Binding Protein) Regulatory Networks Reveals Molecular Targets for Enhancing *Zea mays* Resistance to *Aspergillus flavus* and Aflatoxin Contamination. *International journal of molecular sciences*, 27(5).

Costa EK, et al. (2026) Multi-tissue transcriptomic aging atlas reveals predictive aging biomarkers in the killifish. *Nature aging*, 6(3), 636.

Zhang R, et al. (2026) A giant virus forms a specialized subcellular environment within its amoeba host for efficient translation. *Nature microbiology*, 11(2), 584.

Li Y, et al. (2026) DRfold2 is a deep learning-based tool that enables efficient and accurate RNA structure prediction. *PLoS biology*, 24(2), e3003659.

Plank HB, et al. (2026) Dissecting the small RNA code of inflammatory bowel disease. *Molecular medicine (Cambridge, Mass.)*, 32(1), 21.

Ye X, et al. (2026) SnoRNA Expression and RNA 2'-O-Methylation in *Drosophila melanogaster* S2 Cells. *bioRxiv : the preprint server for biology*.

Yévenes M, et al. (2026) Epigenetic signatures of local adaptation: differential expression of long non-coding RNAs in reciprocally transplanted *Mytilus chilensis*. *Frontiers in immunology*, 17, 1725909.

Mokshina N, et al. (2025) A Fresh Look at Celery Collenchyma and Parenchyma Cell Walls Through a Combination of Biochemical, Histochemical, and Transcriptomic Analyses. *International journal of molecular sciences*, 26(2).

Keogh K, et al. (2025) Complement 3 (C3) within the hypothalamic arcuate nucleus is a potential key mediator of the effect of enhanced nutrition on reproductive development in young bull calves. *BMC genomics*, 26(1), 466.

Díaz-Viraqué F, et al. (2025) Genomic Organization of *Trypanosoma cruzi* tRNA Genes. *Genome biology and evolution*, 17(6).

Kazemzadeh S, et al. (2025) Genome-wide association mapping and transcriptional analysis uncover genetic determinants of minor tocopherols in rice seeds. *Scientific reports*, 15(1), 28530.

Tinnirello V, et al. (2025) Lemon-derived nanovesicles facilitate trans-kingdom transfer of lncRNAs to human cells. *Frontiers in molecular biosciences*, 12, 1697575.

Liao H, et al. (2025) The novel tRF-23 promotes osteogenic differentiation of hBMSCs and protects against bone loss in ovariectomized mice. *Stem cell reports*, 20(10), 102673.

Wicaksono A, et al. (2025) Hairpin in a haystack: In silico identification and characterization of plant-conserved microRNA in *Rafflesiaceae*. *Open life sciences*, 20(1), 20221033.

Subramanian P, et al. (2025) Genomic and Transcriptomic Analysis of the Polyploidy Cyst Nematode, *Heterodera trifolii*, and *Heterodera schachtii*. *International journal of molecular sciences*, 26(3).

Cayir A, et al. (2025) Protocol for single-base quantification of RNA m5C by pyrosequencing. *STAR protocols*, 6(4), 104099.