# Resource Summary Report

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# functional RNAdb

RRID:SCR_007664
Type: Tool

## Proper Citation

functional RNAdb (RRID:SCR_007664)

## Resource Information

**URL:** http://www.ncrna.org/frnadb

**Proper Citation:** functional RNAdb (RRID:SCR_007664)

**Description:** fRNAdb is a database of comprehensive non-coding RNA (ncRNA) sequences including known (or previously reported) ncRNAs, which are acquired from other sequence databases, and ncRNA sequences reported by the joint research groups of the Functional RNA Project. It is funded by the New Energy and Industrial Technology Development Organization.

**Synonyms:** fRNAdb

**Resource Type:** data or information resource, database

**Keywords:** functional rna, ncrna, non-coding rna

**Resource Name:** functional RNAdb

**Resource ID:** SCR_007664

**Alternate IDs:** nif-0000-02853

**Record Creation Time:** 20220129T080243+0000

**Record Last Update:** 20260829T183005+0000

## Ratings and Alerts

No rating or validation information has been found for functional RNAdb.

No alerts have been found for functional RNAdb.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 54 mentions in open access literature.

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


Huang Y, et al. (2025) RegRNA 3.0: expanding regulatory RNA analysis with new features for motif, interaction, and annotation. Nucleic acids research, 53(W1), W485.

Johnston IG, et al. (2022) Symmetry and simplicity spontaneously emerge from the algorithmic nature of evolution. Proceedings of the National Academy of Sciences of the United States of America, 119(11), e2113883119.

Shen J, et al. (2020) MiR-483 induces senescence of human adipose-derived mesenchymal stem cells through IGF1 inhibition. Aging, 12(15), 15756.

Lewandowski JP, et al. (2020) The Tug1 lncRNA locus is essential for male fertility. Genome biology, 21(1), 237.

Xu P, et al. (2019) Identification and profiling of microRNAs responsive to cadmium toxicity in hepatopancreas of the freshwater crab Sinopotamon henanense. Hereditas, 156, 34.

Yamasaki S, et al. (2019) ToGo-WF: prediction of RNA tertiary structures and RNA-RNA/protein interactions using the KNIME workflow. Journal of computer-aided molecular design, 33(5), 497.

Li X, et al. (2019) Genome-wide identification and characterization of long noncoding and circular RNAs in germline stem cells. Scientific data, 6(1), 8.

Woldemariam NT, et al. (2019) Expanding the miRNA Repertoire in Atlantic Salmon; Discovery of IsomiRs and miRNAs Highly Expressed in Different Tissues and Developmental Stages. Cells, 8(1).

Chen X, et al. (2018) TDP-43 regulates cancer-associated microRNAs. Protein & cell, 9(10), 848.

Vera O, et al. (2018) An epigenomic approach to identifying differential overlapping and cis-acting lncRNAs in cisplatin-resistant cancer cells. Epigenetics, 13(3), 251.

Zhang H, et al. (2017) Identification and characterization of L1-specific endo-siRNAs essential for early embryonic development in pig. Oncotarget, 8(14), 23167.

Xie S, et al. (2017) An integrated analysis revealed different microRNA-mRNA profiles during skeletal muscle development between Landrace and Lantang pigs. Scientific reports, 7(1), 2516.

Algama M, et al. (2017) Genome-wide identification of conserved intronic non-coding sequences using a Bayesian segmentation approach. BMC genomics, 18(1), 259.

Jackowiak P, et al. (2017) Small RNA fragments derived from multiple RNA classes - the missing element of multi-omics characteristics of the hepatitis C virus cell culture model. BMC genomics, 18(1), 502.

Bogerd HP, et al. (2017) Induced Packaging of Cellular MicroRNAs into HIV-1 Virions Can Inhibit Infectivity. mBio, 8(1).

Wu T, et al. (2017) LncRNAs: From Basic Research to Medical Application. International journal of biological sciences, 13(3), 295.

Terasaka N, et al. (2016) A human microRNA precursor binding to folic acid discovered by small RNA transcriptomic SELEX. RNA (New York, N.Y.), 22(12), 1918.

Chang YC, et al. (2016) An XIST-related small RNA regulates KRAS G-quadruplex formation beyond X-inactivation. Oncotarget, 7(52), 86713.

Guo X, et al. (2016) Advances in long noncoding RNAs: identification, structure prediction and function annotation. Briefings in functional genomics, 15(1), 38.

Guo L, et al. (2016) Expression Profile of Long Noncoding RNAs in Human Earlobe Keloids: A Microarray Analysis. BioMed research international, 2016, 5893481.