

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 12, 2026

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: 20260912T200149+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

Usage and Citation Metrics

We found 54 mentions in open access literature.

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

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.

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).

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.

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.

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.

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

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

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

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.