

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 15, 2026

miRNEST

RRID:SCR_008907

Type: Tool

Proper Citation

miRNEST (RRID:SCR_008907)

Resource Information

URL: <http://lemur.amu.edu.pl/share/php/mirnest/home.php>

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Description: A database of animal, plant and virus microRNA data maintained at the University of Poznan. The database provides: * 9980 miRNA candidates from 420 animal and plant species predicted in Expressed Sequence Tags * predicted targets for plant candidates * RNA-seq reads mapped to candidates from 29 species * external data from 12 databases that includes sequences, polymorphism, expression and regulation. miRNEST 1.0, it contains miRNA from 563 animals, plants and viruses plant species.

Abbreviations: miRNEST

Synonyms: miRNEST - a database of animal and plant microRNAs

Resource Type: data or information resource, database

Defining Citation: [PMID:22135287](#)

Keywords: microrna, expressed sequence tag, rna-seq read, sequence, polymorphism, mirna sequence, small rna sequence, single nucleotide polymorphism, bio.tools

Funding: European Social Fund ;
Adam Mickiewicz University PBWB-08/2011;
Polish Ministry of Science and Higher Education N N301 160935;
Polish Ministry of Science and Higher Education N N516 441938

Resource Name: miRNEST

Resource ID: SCR_008907

Alternate IDs: nlx_151465, biotools:mirnest

Alternate URLs: <http://mirnest.amu.edu.pl>, <https://bio.tools/mirnest>

Record Creation Time: 20220129T080250+0000

Record Last Update: 20260912T200202+0000

Ratings and Alerts

No rating or validation information has been found for miRNEST.

No alerts have been found for miRNEST.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Saiyed AN, et al. (2023) Employing in silico investigations to determine the cross-kingdom approach for Curcuma longa miRNAs and their human targets. Beni-Suef University journal of basic and applied sciences, 12(1), 3.

Loganathan T, et al. (2023) Non-coding RNAs in human health and disease: potential function as biomarkers and therapeutic targets. Functional & integrative genomics, 23(1), 33.

Pastrello C, et al. (2016) Circulating plant miRNAs can regulate human gene expression in vitro. Scientific reports, 6, 32773.

Carvalho A, et al. (2013) The transcriptomics of secondary growth and wood formation in conifers. Molecular biology international, 2013, 974324.