

Resource Summary Report

Generated by [dkNET](#) on Apr 24, 2025

[miRPlant](#)

RRID:SCR_012105

Type: Tool

Proper Citation

miRPlant (RRID:SCR_012105)

Resource Information

URL: <http://sourceforge.net/projects/mirplant/>

Proper Citation: miRPlant (RRID:SCR_012105)

Description: A user-friendly plant miRNA prediction tool.

Resource Type: software resource

Defining Citation: [PMID:25117656](#)

Keywords: applet, unix/linux, mac os x, windows, java, bio.tools

Funding:

Availability: GNU General Public License

Resource Name: miRPlant

Resource ID: SCR_012105

Alternate IDs: OMICS_05325, biotools:mirplant

Alternate URLs: <https://bio.tools/mirplant>

Record Creation Time: 20220129T080308+0000

Record Last Update: 20250420T014606+0000

Ratings and Alerts

No rating or validation information has been found for miRPlant.

No alerts have been found for miRPlant.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Zhang Y, et al. (2024) Identification of plant microRNAs using convolutional neural network. *Frontiers in plant science*, 15, 1330854.

Ranawaka B, et al. (2023) A multi-omic *Nicotiana benthamiana* resource for fundamental research and biotechnology. *Nature plants*, 9(9), 1558.

Fasani E, et al. (2021) Comparative analysis identifies micro-RNA associated with nutrient homeostasis, development and stress response in *Arabidopsis thaliana* upon high Zn and metal hyperaccumulator *Arabidopsis halleri*. *Physiologia plantarum*, 173(3), 920.

Jarošová J, et al. (2020) Analysis of Small RNAs of Barley Genotypes Associated with Resistance to Barley Yellow Dwarf Virus. *Plants (Basel, Switzerland)*, 9(1).

Salih H, et al. (2019) Long non-coding RNAs and their potential functions in Ligon-lintless-1 mutant cotton during fiber development. *BMC genomics*, 20(1), 661.

Stare T, et al. (2019) Multiomics analysis of tolerant interaction of potato with potato virus Y. *Scientific data*, 6(1), 250.

Lee Marzano SY, et al. (2018) Transcriptional and Small RNA Responses of the White Mold Fungus *Sclerotinia sclerotiorum* to Infection by a Virulence-Attenuating Hypovirus. *Viruses*, 10(12).

Liu Y, et al. (2017) Global Analysis of Small RNA Dynamics during Seed Development of *Picea glauca* and *Arabidopsis thaliana* Populations Reveals Insights on their Evolutionary Trajectories. *Frontiers in plant science*, 8, 1719.

Liu Y, et al. (2017) Landscape of Fluid Sets of Hairpin-Derived 21-/24-nt-Long Small RNAs at Seed Set Uncovers Special Epigenetic Features in *Picea glauca*. *Genome biology and evolution*, 9(1), 82.

Velayudha Vimala Kumar K, et al. (2017) Deciphering microRNAs and Their Associated Hairpin Precursors in a Non-Model Plant, *Abelmoschus esculentus*. *Non-coding RNA*, 3(2).

Paul S, et al. (2016) Analysis of high iron rice lines reveals new miRNAs that target iron transporters in roots. *Journal of experimental botany*, 67(19), 5811.

Yu L, et al. (2016) miRNA Digger: a comprehensive pipeline for genome-wide novel miRNA mining. *Scientific reports*, 6, 18901.

Naoumkina M, et al. (2016) Small RNA sequencing and degradome analysis of developing fibers of short fiber mutants *Ligon-lintles-1* (Li 1) and *-2* (Li 2) revealed a role for miRNAs and their targets in cotton fiber elongation. *BMC genomics*, 17, 360.

Ku YS, et al. (2015) Small RNAs in Plant Responses to Abiotic Stresses: Regulatory Roles and Study Methods. *International journal of molecular sciences*, 16(10), 24532.