

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

TAPIR: target prediction for plant microRNAs

RRID:SCR_000237

Type: Tool

Proper Citation

TAPIR: target prediction for plant microRNAs (RRID:SCR_000237)

Resource Information

URL: <http://bioinformatics.psb.ugent.be/webtools/tapir/>

Proper Citation: TAPIR: target prediction for plant microRNAs (RRID:SCR_000237)

Description: Web server designed for prediction of plant microRNA targets.

Abbreviations: TAPIR

Defining Citation: [PMID:20430753](#)

Keywords: prediction of plant microRNA targets, microRNA, target, fasta, bio.tools

Resource Name: TAPIR: target prediction for plant microRNAs

Resource ID: SCR_000237

Alternate IDs: biotools:tapir, OMICS_04004

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

Record Creation Time: 20220129T080200+0000

Record Last Update: 20260808T185717+0000

Ratings and Alerts

No rating or validation information has been found for TAPIR: target prediction for plant microRNAs.

No alerts have been found for TAPIR: target prediction for plant microRNAs.

Data and Source Information

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Sanan-Mishra N, et al. (2018) ARMOUR - A Rice miRNA: mRNA Interaction Resource. *Frontiers in plant science*, 9, 602.

Natarajan B, et al. (2018) MiRNA160 is associated with local defense and systemic acquired resistance against *Phytophthora infestans* infection in potato. *Journal of experimental botany*, 69(8), 2023.

Djami-Tchatchou AT, et al. (2017) Functional Roles of microRNAs in Agronomically Important Plants-Potential as Targets for Crop Improvement and Protection. *Frontiers in plant science*, 8, 378.

Wang J, et al. (2017) Non-coding RNAs and Their Roles in Stress Response in Plants. *Genomics, proteomics & bioinformatics*, 15(5), 301.

Zhang H, et al. (2016) Genome-wide identification and functional prediction of novel and fungi-responsive lincRNAs in *Triticum aestivum*. *BMC genomics*, 17, 238.

Shriram V, et al. (2016) MicroRNAs As Potential Targets for Abiotic Stress Tolerance in Plants. *Frontiers in plant science*, 7, 817.

Mueth NA, et al. (2015) Small RNAs from the wheat stripe rust fungus (*Puccinia striiformis* f.sp. *tritici*). *BMC genomics*, 16(1), 718.

Tarver JE, et al. (2015) microRNAs and the evolution of complex multicellularity: identification of a large, diverse complement of microRNAs in the brown alga *Ectocarpus*. *Nucleic acids research*, 43(13), 6384.

Tripathi A, et al. (2015) Role of bioinformatics in establishing microRNAs as modulators of abiotic stress responses: the new revolution. *Frontiers in physiology*, 6, 286.

Ding J, et al. (2012) Finding microRNA targets in plants: current status and perspectives. *Genomics, proteomics & bioinformatics*, 10(5), 264.