

# Resource Summary Report

Generated by [kravitz2](#) on Sep 5, 2026

## Plant Co-expression Annotation Resource

RRID:SCR\_018429

Type: Tool

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### Proper Citation

Plant Co-expression Annotation Resource (RRID:SCR\_018429)

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### Resource Information

**URL:** <https://www.machado.cnptia.embrapa.br/plantannot>

**Proper Citation:** Plant Co-expression Annotation Resource (RRID:SCR\_018429)

**Description:** Webserver for identifying targets for genetically modified crop breeding pipelines. Used to find proteins that have no annotation or function assigned and could be related to molecular mechanisms regarding abiotic stresses in plants. System aggregates orthology, coexpression networks and genomic data to filter genomes of plants downloaded from Phytozome and NCBI and select candidate proteins in that regard.

**Abbreviations:** Plantannot

**Synonyms:** Plantannot v2

**Resource Type:** data access protocol, data or information resource, service resource, software resource, web service

**Defining Citation:** [DOI:10.1101/2020.05.22.110510](https://doi.org/10.1101/2020.05.22.110510)

**Keywords:** Omics, plant, annotation, function, breeding, genetically modified crops, abiotic stress in plant, plant genome, plant genomic data, bio.tools

**Funding:** Embrapa

**Availability:** Free, Freely available

**Resource Name:** Plant Co-expression Annotation Resource

**Resource ID:** SCR\_018429

**Alternate IDs:** biotools:plantannot

**Alternate URLs:** <https://www.machado.cnptia.embrapa.br/plantannot2>,  
<https://bio.tools/plantannot>

**License:** GNU GPL

**Record Creation Time:** 20220129T080340+0000

**Record Last Update:** 20260903T235456+0000

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## Ratings and Alerts

No rating or validation information has been found for Plant Co-expression Annotation Resource.

No alerts have been found for Plant Co-expression Annotation Resource.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Jos?? Andrade Viana M, et al. (2021) Plant Co-expression Annotation Resource: a web server for identifying targets for genetically modified crop breeding pipelines. BMC bioinformatics, 22(1), 46.