

Resource Summary Report

Generated by SPARC SAWG on Aug 13, 2026

VirtualPlant

RRID:SCR_022576

Type: Tool

Proper Citation

VirtualPlant (RRID:SCR_022576)

Resource Information

URL: <http://virtualplant.bio.nyu.edu/cgi-bin/vpweb/>

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Description: Software platform to support systems biology research. Integrates genomic data and provides visualization and analysis tools for exploration of genomic data. Provides tools to generate biological hypotheses.

Synonyms: VirtualPlant 1.3

Resource Type: software resource, data access protocol, web service

Defining Citation: [PMID:20007449](#)

Keywords: genomic data integration, support systems biology, genomic data visualization and analysis

Funding: NSF DBI 0445666;
NSF IOB 0519985;
NSF MCB-0209754;
FONDECYT ;
Grape Genomics ;
Millennium Nucleus for Plant Functional Genomics ;
NIGMS R01 GM 032877;
NIGMS 5F32GM75600

Availability: Free, Available for download, Freely available

Resource Name: VirtualPlant

Resource ID: SCR_022576

Record Creation Time: 20220726T050157+0000

Record Last Update: 20260813T055245+0000

Ratings and Alerts

No rating or validation information has been found for VirtualPlant.

No alerts have been found for VirtualPlant.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

James M, et al. (2025) V-ATPases and amino acid catabolism are strongly disturbed in the roots of autophagy mutants in Arabidopsis, impacting water use efficiency and tricarboxylic acid metabolism. The Plant journal : for cell and molecular biology, 123(2), e70359.

Zenzen I, et al. (2024) Transcriptional and metabolic profiling of sulfur starvation response in two monocots. BMC plant biology, 24(1), 257.

Shanks CM, et al. (2024) Nitrogen sensing and regulatory networks: it's about time and space. The Plant cell, 36(5), 1482.