

Resource Summary Report

Generated by T1D on Jul 31, 2026

Planteome

RRID:SCR_014411

Type: Tool

Proper Citation

Planteome (RRID:SCR_014411)

Resource Information

URL: <http://planteome.org>

Proper Citation: Planteome (RRID:SCR_014411)

Description: An international collaborative effort to develop and enrich new and existing reference ontologies for plants, improve ontology use and cross-references, and to develop data annotation standards. Users can search for ontology terms and bioentities and submit the ontology-related term requests by visiting the following GitHub request trackers.

Resource Type: data or information resource, database

Keywords: database, ontology, plant, genome

Funding: NSF IOS:1340112

Availability: Available to the research community, Only registered users of the GitHub website are allowed to submit requests and make suggestions or comments

Resource Name: Planteome

Resource ID: SCR_014411

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Record Creation Time: 20220129T080320+0000

Record Last Update: 20260729T044328+0000

Ratings and Alerts

No rating or validation information has been found for Planteome.

No alerts have been found for Planteome.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Hernández-Miranda OA, et al. (2025) Transcriptomic analysis reveals molecular phenological changes during the flower-to-fruit transition in *Vanilla planifolia* Andrews (Orchidaceae). *BMC plant biology*, 25(1), 437.

He Z, et al. (2024) scPlantDB: a comprehensive database for exploring cell types and markers of plant cell atlases. *Nucleic acids research*, 52(D1), D1629.

Podkolodnyy NL, et al. (2024) Ontologies in modelling and analysing of big genetic data. *Vavilovskii zhurnal genetiki i selektsii*, 28(8), 940.

Cooper L, et al. (2024) Planteome 2024 Update: Reference Ontologies and Knowledgebase for Plant Biology. *Nucleic acids research*, 52(D1), D1548.

Xie C, et al. (2024) PotatoG-DKB: a potato gene-disease knowledge base mined from biological literature. *PeerJ*, 12, e18202.

Dumschott K, et al. (2023) Ontologies for increasing the FAIRness of plant research data. *Frontiers in plant science*, 14, 1279694.

Zogopoulos VL, et al. (2021) Arabidopsis Coexpression Tool: a tool for gene coexpression analysis in *Arabidopsis thaliana*. *iScience*, 24(8), 102848.

Zhang L, et al. (2021) Which methods are the most effective in enabling novice users to participate in ontology creation? A usability study. *Database : the journal of biological databases and curation*, 2021.

Arnaud E, et al. (2020) The Ontologies Community of Practice: A CGIAR Initiative for Big Data in Agrifood Systems. *Patterns (New York, N.Y.)*, 1(7), 100105.

Cui H, et al. (2020) Measurement Recorder: developing a useful tool for making species descriptions that produces computable phenotypes. *Database : the journal of biological databases and curation*, 2020.

Pommier C, et al. (2019) Applying FAIR Principles to Plant Phenotypic Data Management in GnpIS. *Plant phenomics (Washington, D.C.)*, 2019, 1671403.

Walls RL, et al. (2019) The Plant Ontology Facilitates Comparisons of Plant Development Stages Across Species. *Frontiers in plant science*, 10, 631.

Roitsch T, et al. (2019) Review: New sensors and data-driven approaches-A path to next generation phenomics. *Plant science : an international journal of experimental plant*

biology, 282, 2.

Ortiz JPA, et al. (2019) Small RNA-seq reveals novel regulatory components for apomixis in *Paspalum notatum*. BMC genomics, 20(1), 487.

Ward BP, et al. (2019) Genome-wide association studies for yield-related traits in soft red winter wheat grown in Virginia. PloS one, 14(2), e0208217.

Oliveira D, et al. (2018) Improving the interoperability of biomedical ontologies with compound alignments. Journal of biomedical semantics, 9(1), 1.

Endara L, et al. (2018) Extraction of phenotypic traits from taxonomic descriptions for the tree of life using natural language processing. Applications in plant sciences, 6(3), e1035.

Venkatesan A, et al. (2018) Agronomic Linked Data (AgroLD): A knowledge-based system to enable integrative biology in agronomy. PloS one, 13(11), e0198270.

Cui H, et al. (2018) Incentivising use of structured language in biological descriptions: Author-driven phenotype data and ontology production. Biodiversity data journal(6), e29616.

Harper L, et al. (2018) AgBioData consortium recommendations for sustainable genomics and genetics databases for agriculture. Database : the journal of biological databases and curation, 2018.