

Resource Summary Report

Generated by [dkNET](#) on Aug 31, 2026

PlantsP

RRID:SCR_013256

Type: Tool

Proper Citation

PlantsP (RRID:SCR_013256)

Resource Information

URL: <http://plantsp.sdsc.edu>

Proper Citation: PlantsP (RRID:SCR_013256)

Description: A database of plant protein kinases and phosphatases as well as genomic information for these enzymes. Because protein kinases and phosphatases control so many processes in plants, and occur in networks that unite different cellular processes, a genome wide approach is needed to make significant advances in discovering the roles of these enzymes in the regulation of plant function.

Synonyms: PlantsP

Resource Type: data or information resource, database

Resource Name: PlantsP

Resource ID: SCR_013256

Alternate IDs: nif-0000-03310

Record Creation Time: 20220129T080315+0000

Record Last Update: 20260829T183041+0000

Ratings and Alerts

No rating or validation information has been found for PlantsP.

No alerts have been found for PlantsP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Cheng W, et al. (2021) Genome-Wide Identification of LRR-RLK Family in *Saccharum* and Expression Analysis in Response to Biotic and Abiotic Stress. *Current issues in molecular biology*, 43(3), 1632.

Aquino B, et al. (2020) Crystal structure of DRK1, a stress-responsive receptor-like pseudokinase, reveals the molecular basis for the absence of ATP binding. *BMC plant biology*, 20(1), 158.

Ma Y, et al. (2019) Isolation and expression analysis of Salt Overly Sensitive gene family in grapevine (*Vitisvinifera*) in response to salt and PEG stress. *PloS one*, 14(3), e0212666.

Wang Q, et al. (2017) Genome-wide survey indicates diverse physiological roles of the turnip (*Brassica rapa* var. *rapa*) calcium-dependent protein kinase genes. *Scientific reports*, 7(1), 15803.

Yin X, et al. (2017) Genome-Wide Identification and Functional Analysis of the Calcineurin B-like Protein and Calcineurin B-like Protein-Interacting Protein Kinase Gene Families in Turnip (*Brassica rapa* var. *rapa*). *Frontiers in plant science*, 8, 1191.

Jing T, et al. (2017) Genome-Wide Identification of Mitogen-activated Protein Kinase Cascade Genes and Transcriptional Profiling Analysis during Organ Development in *Eucommia ulmoides*. *Scientific reports*, 7(1), 17732.

Yang Y, et al. (2017) Genome-wide survey indicates diverse physiological roles of the barley (*Hordeum vulgare* L.) calcium-dependent protein kinase genes. *Scientific reports*, 7(1), 5306.

Mittal S, et al. (2017) Comparative Analysis of CDPK Family in Maize, Arabidopsis, Rice, and Sorghum Revealed Potential Targets for Drought Tolerance Improvement. *Frontiers in chemistry*, 5, 115.

Zhou F, et al. (2016) Genome-wide identification and evolutionary analysis of leucine-rich repeat receptor-like protein kinase genes in soybean. *BMC plant biology*, 16, 58.

You Q, et al. (2016) Co-expression network analyses identify functional modules associated with development and stress response in *Gossypium arboreum*. *Scientific reports*, 6, 38436.

Babitha KC, et al. (2015) Overexpression of EcbHLH57 Transcription Factor from *Eleusine coracana* L. in Tobacco Confers Tolerance to Salt, Oxidative and Drought Stress. *PloS one*, 10(9), e0137098.

Zhang G, et al. (2015) Genome-Wide Identification and Analysis of the VQ Motif-Containing Protein Family in Chinese Cabbage (*Brassica rapa* L. ssp. *Pekinensis*). *International journal of molecular sciences*, 16(12), 28683.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.

Gutiérrez RA, et al. (2004) Phylogenetic profiling of the *Arabidopsis thaliana* proteome: what proteins distinguish plants from other organisms? Genome biology, 5(8), R53.

Day IS, et al. (2002) Analysis of EF-hand-containing proteins in *Arabidopsis*. Genome biology, 3(10), RESEARCH0056.