

Resource Summary Report

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PlantGDB

RRID:SCR_013166

Type: Tool

Proper Citation

PlantGDB (RRID:SCR_013166)

Resource Information

URL: <http://www.plantgdb.org/>

Proper Citation: PlantGDB (RRID:SCR_013166)

Description: Software tools and databases for plant genomics.

Resource Type: data or information resource, database

Keywords: FASEB list

Funding: NSF IOS-1126267;
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Resource Name: PlantGDB

Resource ID: SCR_013166

Alternate IDs: nlx_156925

Record Creation Time: 20220129T080314+0000

Record Last Update: 20260912T200209+0000

Ratings and Alerts

No rating or validation information has been found for PlantGDB.

No alerts have been found for PlantGDB.

Data and Source Information

Usage and Citation Metrics

We found 227 mentions in open access literature.

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

Akotenou G, et al. (2026) MegaPlantTF: a machine learning framework for comprehensive identification and classification of plant transcription factors. *Bioinformatics* (Oxford, England), 42(1).

Akond Z, et al. (2026) Genome-wide identification and characterization of the RNAi gene families in *Brassica rapa* L. highlighting their regulatory components and underlying functions involving crop improvement. *BMC genomic data*, 27(1).

Meng X, et al. (2026) Genome-wide identification and expression analysis of the GRAS transcription factor family and its expression profiles in *Elymus sibiricus*. *BMC genomics*, 27(1), 156.

Garosi C, et al. (2025) Investigating adaptation to environmental variability in forest trees through molecular phylogenetic analysis. *PloS one*, 20(12), e0338893.

Meng X, et al. (2025) Genome-wide identification and expression analysis of the SPL transcription factor family and its expression characteristics in *Elymus sibiricus*. *BMC plant biology*, 25(1), 1331.

Kumar R, et al. (2024) Advances in genomic tools for plant breeding: harnessing DNA molecular markers, genomic selection, and genome editing. *Biological research*, 57(1), 80.

Zhao Y, et al. (2024) Identification and Functional Exploration of BraGASA Genes Reveal Their Potential Roles in Drought Stress Tolerance and Sexual Reproduction in *Brassica rapa* L. ssp. *pekinensis*. *International journal of molecular sciences*, 25(17).

Cembrowska-Lech D, et al. (2023) Nanopriming of Barley Seeds-A Shotgun Approach to Improve Germination under Salt Stress Conditions by Regulating of Reactive Oxygen Species. *Plants* (Basel, Switzerland), 12(2).

Jin X, et al. (2023) SbNAC9 Improves Drought Tolerance by Enhancing Scavenging Ability of Reactive Oxygen Species and Activating Stress-Responsive Genes of Sorghum. *International journal of molecular sciences*, 24(3).

Ouyang L, et al. (2023) Genome-wide analysis of UDP-glycosyltransferase gene family and identification of a flavonoid 7-O-UGT (AhUGT75A) enhancing abiotic stress in peanut (*Arachis hypogaea* L.). *BMC plant biology*, 23(1), 626.

Liu G, et al. (2023) Identification of KASP markers and candidate genes for drought tolerance in wheat using 90K SNP array genotyping of near-isogenic lines targeting a 4BS quantitative trait locus. *TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik*, 136(9), 190.

Shamshad A, et al. (2023) In-silico analysis of heat shock transcription factor (OsHSF) gene family in rice (*Oryza sativa* L.). *BMC plant biology*, 23(1), 395.

Saxena H, et al. (2023) LDRGDb - Legumes disease resistance genes database. *Frontiers in plant science*, 14, 1143111.

Chao H, et al. (2023) Integrating omics databases for enhanced crop breeding. *Journal of integrative bioinformatics*, 20(4).

Zhang X, et al. (2023) Improved chromosome-level genome assembly of Indian sandalwood (*Santalum album*). *Scientific data*, 10(1), 921.

Valarmathi R, et al. (2023) Comparative transcriptome profiling to unravel the key molecular signalling pathways and drought adaptive plasticity in shoot borne root system of sugarcane. *Scientific reports*, 13(1), 12853.

Wu F, et al. (2022) Genome and systems biology of *Melilotus albus* provides insights into coumarins biosynthesis. *Plant biotechnology journal*, 20(3), 592.

Husaini AM, et al. (2022) Understanding saffron biology using omics- and bioinformatics tools: stepping towards a better *Crocus* phenome. *Molecular biology reports*, 49(6), 5325.

Rajasheker G, et al. (2022) Identification and analysis of proline-rich proteins and hybrid proline-rich proteins super family genes from *Sorghum bicolor* and their expression patterns to abiotic stress and zinc stimuli. *Frontiers in plant science*, 13, 952732.

St??ger A, et al. (2022) The evolution of plant proton pump regulation via the R domain may have facilitated plant terrestrialization. *Communications biology*, 5(1), 1312.