

Resource Summary Report

Generated by RRID on Aug 5, 2026

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: database, data or information resource

Keywords: FASEB list

Funding: NSF IOS-1126267;
NSF IOS-0606909;
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Resource Name: PlantGDB

Resource ID: SCR_013166

Alternate IDs: nlx_156925

Record Creation Time: 20220129T080314+0000

Record Last Update: 20260805T044309+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 207 mentions in open access literature.

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

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

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.

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).

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.

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.

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.

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.

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.

Li J, et al. (2022) PlantGF: an analysis and annotation platform for plant gene families. Database : the journal of biological databases and curation, 2022.

Akond Z, et al. (2022) Comprehensive In Silico Analysis of RNA Silencing-Related Genes and Their Regulatory Elements in Wheat (*Triticum aestivum* L.). BioMed research international, 2022, 4955209.

Morton BR, et al. (2022) Context-Dependent Mutation Dynamics, Not Selection, Explains the Codon Usage Bias of Most Angiosperm Chloroplast Genes. Journal of molecular

evolution, 90(1), 17.

Zhang F, et al. (2022) Long-read sequencing of 111 rice genomes reveals significantly larger pan-genomes. *Genome research*, 32(5), 853.

Rakkammal K, et al. (2022) Conventional and Omics Approaches for Understanding the Abiotic Stress Response in Cereal Crops-An Updated Overview. *Plants (Basel, Switzerland)*, 11(21).

Han D, et al. (2022) Serial-Omics and Molecular Function Study Provide Novel Insight into Cucumber Variety Improvement. *Plants (Basel, Switzerland)*, 11(12).

Xie H, et al. (2022) Genome-Wide Identification of the A20/AN1 Zinc Finger Protein Family Genes in *Ipomoea batatas* and Its Two Relatives and Function Analysis of IbSAP16 in Salinity Tolerance. *International journal of molecular sciences*, 23(19).

Sadat MA, et al. (2022) Genome-wide in silico identification of phospholipase D (PLD) gene family from *Corchorus capsularis* and *Corchorus olitorius*: reveals their responses to plant stress. *Journal, genetic engineering & biotechnology*, 20(1), 28.

Zhao J, et al. (2021) Genome-wide analysis of BBX gene family in Tartary buckwheat (*Fagopyrum tataricum*). *PeerJ*, 9, e11939.

Lu L, et al. (2021) Nuclear factor Y subunit GmNFYA competes with GmHDA13 for interaction with GmFVE to positively regulate salt tolerance in soybean. *Plant biotechnology journal*, 19(11), 2362.