

Resource Summary Report

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Brassicaceae Database

RRID:SCR_023019

Type: Tool

Proper Citation

Brassicaceae Database (RRID:SCR_023019)

Resource Information

URL: <http://brassicadb.cn>

Proper Citation: Brassicaceae Database (RRID:SCR_023019)

Description: Database includes newly released genome sequences of Brassicaceae species and published genomic data of most other Brassicaceae species. Data can be browsed in JBrowse or searched in BLAST. Offers service of searching for syntenic genes, which are generated based on their syntenic relationships to genes in Arabidopsis thaliana. Regularly updated with newly released reference genomes.

Abbreviations: BRAD

Resource Type: data or information resource, database

Defining Citation: [DOI:10.1093/nar/gkab1057](https://doi.org/10.1093/nar/gkab1057)

Keywords: genome sequences, Brassicaceae species, published genomic data, syntenic genes,

Funding: National Natural Science Foundation of China ;
National Program on Key Research Project

Availability: Free, Freely available

Resource Name: Brassicaceae Database

Resource ID: SCR_023019

Record Creation Time: 20221130T050154+0000

Record Last Update: 20260904T000416+0000

Ratings and Alerts

No rating or validation information has been found for Brassicaceae Database.

No alerts have been found for Brassicaceae Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 400 mentions in open access literature.

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

Gao J, et al. (2026) BjuFKF1_1, a Plant-Specific LOV Blue Light Receptor Gene, Positively Regulates Flowering in Brassica juncea. Plants (Basel, Switzerland), 15(2).

Xue T, et al. (2026) Pan-genomic analysis and abiotic stress expression of eight TPS gene families in Brassica napus. BMC plant biology, 26(1).

Yao X, et al. (2026) Identification of BoFAR3a Reveals the Genetic Basis of a Glossy Green Trait in Broccoli. Plants (Basel, Switzerland), 15(4).

Shao D, et al. (2026) Identification of Leaf Waxy Candidate Gene and Expression Changes in Related Genes in Response to Cold Stress of Cabbage (Brassica oleracea L.). Current issues in molecular biology, 48(2).

Zhang Y, et al. (2026) Genetic Origin of AHAS2 Genes in Brassica Allotetraploids and Association of Its Orthologs with Agronomic Traits in B. napus. Plants (Basel, Switzerland), 15(7).

Deng B, et al. (2026) Genome-Wide Analysis of the PEBP Gene Family and Functional Characterization of BcFT-1/2 in Choy Sum (Brassica rapa subsp. chinensis var. parachinensis). International journal of molecular sciences, 27(10).

Sultana N, et al. (2026) Genome Wide Identification and Characterization of BrE2F Family Gene of Brassica rapa. International journal of genomics, 2026, 7106391.

Hu Y, et al. (2026) Genome-wide identification and analysis of the Delay Of Germination 1 (DOG1) gene family in Brassica napus and its potential role in Manganese (Mn) stress response. BMC plant biology, 26(1).

Zhu Y, et al. (2026) BolAG-BolRPI2-BolBAM4 Module Regulates the Bolting of Curd by Modulating Starch Metabolism in Broccoli (Brassica oleracea var. italica). Plant biotechnology journal, 24(3), 1465.

Liu J, et al. (2026) Cloning and functional analysis of the lobed-leaf gene BjA10.LL in Brassica juncea L. Stress biology, 6(1), 8.

Liu S, et al. (2026) Comprehensive Characterization of BrSULTRs Family and Their Expression Profiles Under Salt and Low-Temperature Stresses. *Genes*, 17(4).

Wang G, et al. (2026) Evolutionary diversity of cell-type-specific expression and stress response in Brassicaceae roots. *bioRxiv : the preprint server for biology*.

Fatima S, et al. (2026) FAE1 and FAD2 gene expression dynamics and fatty acid modulation in Brassica under salt stress: A molecular insight. *PloS one*, 21(4), e0345945.

Moon H, et al. (2026) Vernalization attenuates age-dependent decline of glucosinolates in cabbage (*Brassica oleracea* ssp. *capitata*) through coordinated transcriptomic and metabolomic reprogramming. *BMC plant biology*, 26(1).

Guan M, et al. (2026) Identification of candidate genes associated with regreening stage in rapeseed (*Brassica Rapa* L.) by combined application of BSA-Seq and RNA-Seq. *BMC plant biology*, 26(1).

Deng Y, et al. (2026) Genome-wide systematic characterization of bZIP transcription factors and their expression profiles during stem in tumorous stem mustard. *PeerJ*, 14, e20518.

Wang H, et al. (2026) Population genomic insights into the domestication of *Brassica juncea* var. *tumida*. *Horticulture research*, 13(2), uhaf298.

Du S, et al. (2026) Development and Application of KASP Markers for Candidate Glucosinolate Biosynthesis Genes in Broccoli. *International journal of molecular sciences*, 27(6).

Hossain MY, et al. (2026) Unlocking the Genetic Blueprint of Erucic Acid Content in Mustard (*Brassica napus*): A Meta-QTL Exploration. *TheScientificWorldJournal*, 2026(1), e8457904.

Bai A, et al. (2026) Convergent roles of BcGUN4.1, BcSG1, BcCHLH, and BcTPR4 in regulating the leaf greenness of non-heading Chinese cabbage. *Molecular horticulture*, 6(1).