

Resource Summary Report

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GigaDB

RRID:SCR_004002

Type: Tool

Proper Citation

GigaDB (RRID:SCR_004002)

Resource Information

URL: <http://gigadb.org/>

Proper Citation: GigaDB (RRID:SCR_004002)

Description: Repository to host data and tools associated with articles published by GigaScience & GigaByte journals. GigaDB defines a dataset as a group of files (e.g., sequencing data, analyses, imaging files, software programs) that are related to and support an article or study. Through their association with DataCite, each dataset will be assigned a DOI that can be used as a standard citation for future use of these data in other articles by the authors and other researchers. Datasets in GigaDB all require a title that is specific to the dataset, an author list, and an abstract that provides information specific to the data included within the dataset. Detailed information about the dataset is curated by dedicated biocurators in collaboration with the article authors at the time of publication of the associated manuscript to ensure full transparency and reproducibility of all journal articles published in GigaScience and GigaByte journals.

Abbreviations: GigaDB

Synonyms: GigaScience Database, Giga DB

Resource Type: data or information resource, data repository, service resource, software repository, software resource, storage service resource

Defining Citation: [PMID:30753480](#), [PMID:23587345](#), [PMID:24622612](#), [PMID:35701374](#)

Keywords: data set, isa-tab, digital object identifier, FAIR, DOI, transparency,

Funding: BGI

Availability: Creative Commons Zero License, The community can contribute to this resource

Resource Name: GigaDB

Resource ID: SCR_004002

Alternate IDs: DOI:10.25504/FAIRsharing.rcbwsf, r3d100010692, nlx_158413, DOI:10.17616/R3TG83, DOI:10.5524

Alternate URLs: <https://doi.org/10.17616/r3tg83>, <https://fairsharing.org/10.25504/FAIRsharing.rcbwsf>, <https://doi.org/10.17616/R3X89B>

Record Creation Time: 20220129T080222+0000

Record Last Update: 20260905T132512+0000

Ratings and Alerts

No rating or validation information has been found for GigaDB.

No alerts have been found for GigaDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 226 mentions in open access literature.

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

Wang Z, et al. (2026) InsectBase 3.0: a comprehensive multi-omics resource for insects. *Nucleic acids research*, 54(D1), D1143.

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.

Jin J, et al. (2026) A Domain Generalization Method for EEG Based on Domain-Invariant Feature and Data Augmentation. *Cyborg and bionic systems (Washington, D.C.)*, 7, 0508.

Zeng Y, et al. (2026) Genome-Wide Identification and Characterization of the C2H2 Zinc Finger Gene Family in Pear (*Pyrus bretschneideri*) and Its Potential Role in Drought Stress Response. *Biology*, 15(4).

Sruthi SR, et al. (2026) GWAS and Regularised Regression Identify SNPs Associated with Candidate Genes for Stage-Specific Salinity Tolerance in Rice. *Plants (Basel, Switzerland)*, 15(7).

Pan M, et al. (2026) Genome-Wide Identification and Expression Analysis of SS and SE Gene Families in *Platycodon grandiflorum*. *Biology*, 15(8).

She J, et al. (2026) DOO: integrated multi-omics resources for deep ocean organisms. *Nucleic acids research*, 54(D1), D1031.

Zhang Z, et al. (2026) Deciphering the Temporal Transcriptional Dynamics and Key Regulatory Networks of *Pyrus betulifolia* in Response to PEG-Induced Osmotic Stress. *Biology*, 15(6).

Yang M, et al. (2026) Identification of the SAUR Gene Family in *Pinus massoniana* and Analysis of Its Expression Patterns Under Drought Stress. *Biology*, 15(12).

Ma HY, et al. (2026) A pangenome insight into the genome divergence and flower color diversity among *Rhododendron* species. *BMC genomics*, 27(1), 101.

Liu J, et al. (2025) Insights into angiosperm evolution and lineage-specialized lignan biosynthesis from the early-diverging *Schisandra* genome. *Science advances*, 11(33), eadw0486.

Rao J, et al. (2025) Performance evaluation of structural variation detection using DNBSEQ whole-genome sequencing. *BMC genomics*, 26(1), 299.

Wiredu-Boakye D, et al. (2025) Evolutionary Insights into the Length Variation of DNA Damage Response Proteins Across Eukaryotes. *Genome biology and evolution*, 17(6).

Wang LY, et al. (2025) A chromosomal-level genome assembly of *Araneus marmoreus* Schenkel, 1953 (Araneae: Araneidae). *Scientific data*, 12(1), 859.

Yue W, et al. (2025) Evolutionary Dynamics of Plant TRM6/TRM61 Complexes. *Plants (Basel, Switzerland)*, 14(12).

Zhang Z, et al. (2025) Genome-Wide Identification and Drought Stress-Responsive Expression Profiling of the FAD Gene Family in Pear. *Life (Basel, Switzerland)*, 15(8).

Fang S, et al. (2025) The impact of haplotypes derived from Chinese pigs on genetic variation and economic traits in the Duroc breed. *Genetics, selection, evolution : GSE*, 57(1), 58.

Gan X, et al. (2025) Conservation and Divergence of E(z) Genes in Green Plants. *Plants (Basel, Switzerland)*, 14(22).

Huang X, et al. (2025) Phylogenomic discordance is driven mainly by pervasive ancient hybridization and incomplete lineage sorting during the early divergence of major angiosperm lineages. *Plant communications*, 6(11), 101529.

Gao YF, et al. (2025) Chromosome-level genome assembly of the longhorn beetle *Arhopalus rusticus* (Coleoptera: Cerambycidae). *Scientific data*, 12(1), 1171.