MaizeGDB
RRID:SCR_006600
Type: Tool

Proper Citation
MaizeGDB (RRID:SCR_006600)

Resource Information

URL: http://www.maizegdb.org

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Description: Collection of data related to crop plant and model organism Zea mays. Used to synthesize, display, and provide access to maize genomics and genetics data, prioritizing mutant and phenotype data and tools, structural and genetic map sets, and gene models and to provide support services to the community of maize researchers. Data stored at MaizeGDB was inherited from the MaizeDB and ZmDB projects. Sequence data are from GenBank. Data are searchable by phenotype, traits, Pests, Gel Pattern, and Mutant Images.

Abbreviations: MaizeGDB

Synonyms: Maize Genetics and Genomics Database, MaizeGDB Locus, MaizeGDB

Resource Type: storage service resource, database, analysis service resource, service resource, topical portal, organism-related portal, data or information resource, data repository, production service resource, portal, data analysis service

Defining Citation: PMID:21624896, PMID:18769488, PMID:15888678, PMID:14681441

Keywords: zea mays, corn, model organism, genome, locus, metabolic pathway, genetics, genomics, sequence, gene product, function, literature reference, phenotype, trait, pest, gel pattern, mutant, blast, gene, image, corn, genotype-environment interaction, gene mapping, plant genome mapping, plant genome, gold standard, bio.tools, FASEB list

Funding Agency: USDA, USDA/ARS, NSF, National Corn Growers Association
Availability: Free, Freely available, Acknowledgement requested, The community can contribute to this resource

Resource Name: MaizeGDB

Resource ID: SCR_006600

Alternate IDs: nif-0000-03096, OMICS_01655, biotools:MaizeDIG

Alternate URLs: https://bio.tools/MaizeDIG

Ratings and Alerts

No rating or validation information has been found for MaizeGDB.

No alerts have been found for MaizeGDB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 615 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.


Ning L, et al. (2023) Nitrogen-dependent binding of the transcription factor PBF1 contributes to the balance of protein and carbohydrate storage in maize endosperm. The Plant cell,
Ardelean IV, et al. (2023) Maize cytolines as models to study the impact of different cytoplasms on gene expression under heat stress conditions. BMC plant biology, 23(1), 4.


Zhang L, et al. (2023) GWAS of grain color and tannin content in Chinese sorghum based on whole-genome sequencing. TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik, 136(4), 77.


Nazipova A, et al. (2023) The In Silico Characterization of Monocotyledonous ?-l-Arabinofuranosidases on the Example of Maize. Life (Basel, Switzerland), 13(2).


Cui H, et al. (2023) Genome-Wide Identification and Analysis of the Maize Serine Peptidase S8 Family Genes in Response to Drought at Seedling Stage. Plants (Basel, Switzerland), 12(2).


