Resource Summary Report

Generated by NIF on Apr 27, 2025

Maize Database of Images and Genomes

RRID:SCR_016987
Type: Tool

Proper Citation

Maize Database of Images and Genomes (RRID:SCR_016987)

Resource Information

URL: http://maizedig.maizegdb.org/

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Description: Genotype and phenotype database for maize images based on BioDIG. Supports multiple reference genomes and has been integrated with the MaizeGDB Genome Browser to make custom tracks showing mutant phenotypes within their genomic context. Allows for custom tagging of images to highlight regions related to the phenotypes. This is accomplished through an interface allowing users to create links from images to genomic coordinates and to curate and search images by gene model ID, gene symbol, and gene name.

Abbreviations: MaizeDIG

Synonyms: Maize Dig, MaizeDatabase of Images and Genomes, MaizeDig, MaizeDIG

Resource Type: service resource, data or information resource, database, production service resource, analysis service resource

Keywords: genotype, phenotype, collection, maize, image, reference, genome

Funding:

Availability: Free, Freely available

Resource Name: Maize Database of Images and Genomes

Resource ID: SCR_016987

Record Creation Time: 20220129T080333+0000

Record Last Update: 20250426T060615+0000

Ratings and Alerts

No rating or validation information has been found for Maize Database of Images and Genomes.

No alerts have been found for Maize Database of Images and Genomes.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Deng CH, et al. (2023) Genotype and phenotype data standardization, utilization and integration in the big data era for agricultural sciences. Database : the journal of biological databases and curation, 2023.

Tan YC, et al. (2022) Bioinformatics approaches and applications in plant biotechnology. Journal, genetic engineering & biotechnology, 20(1), 106.

Yang Y, et al. (2021) Applications of Multi-Omics Technologies for Crop Improvement. Frontiers in plant science, 12, 563953.

Thudi M, et al. (2021) Genomic resources in plant breeding for sustainable agriculture. Journal of plant physiology, 257, 153351.

Cho KT, et al. (2019) MaizeDIG: Maize Database of Images and Genomes. Frontiers in plant science, 10, 1050.