Resource Summary Report

Generated by T1D on Aug 3, 2026

DOGMA

RRID:SCR_015060
Type: Tool

Proper Citation

DOGMA (RRID:SCR_015060)

Resource Information

URL: https://dogma.ccbb.utexas.edu/

Proper Citation: DOGMA (RRID:SCR_015060)

Description: Web-based annotation tool for plant chloroplasts and animal mitochondrial genomes. DOGMA allows the use of BLAST searches against a custom database, and conservation of basepairing in the secondary structure of animal mitochondrial tRNAs to identify and annotate genes.

Synonyms: Dual Organellar GenoMe Annotator, Dual Organellar GenoMe Annotator (DOGMA)

Resource Type: web application, software resource

Defining Citation: PMID:15180927

Keywords: chloroplast, mitochondria, genome annotation, bio.tools, FASEB list

Availability: Freely available

Resource Name: DOGMA

Resource ID: SCR_015060

Alternate IDs: biotools:DOGMA

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

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260803T040651+0000

Ratings and Alerts

No rating or validation information has been found for DOGMA.

No alerts have been found for DOGMA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 413 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Coban A, et al. (2025) Tracing the paths of modular evolution by quantifying rearrangement events of protein domains. BMC ecology and evolution, 25(1), 6.

Wang Q, et al. (2025) The complete chloroplast genome sequences of three Cypripedium species and their phylogenetic analysis. Scientific reports, 15(1), 13461.

Zheng Z, et al. (2025) Comparative and phylogenetic study on the chloroplast genomes of CMS with the cytoplasm of Aegilops ovata and its maintainer line in wheat. BMC genomics, 26(1), 1155.

Xu J, et al. (2024) scmFormer Integrates Large-Scale Single-Cell Proteomics and Transcriptomics Data by Multi-Task Transformer. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(19), e2307835.

Qi Z, et al. (2024) Paternal Mitochondrial DNA Leakage in Natural Populations of Large-Scale Loach, Paramisgurnus dabryanus. Biology, 13(8).

Sebastin R, et al. (2024) Comparative chloroplast genome analyses of cultivated and wild Capsicum species shed light on evolution and phylogeny. BMC plant biology, 24(1), 797.

Hu Y, et al. (2024) Complete mitochondrial genome and phylogenetic analysis of Dollfustrema vaneyi (Trematoda: Bucephalidae). BMC genomics, 25(1), 862.

Zhang J, et al. (2024) Comparison of the chloroplast genomics of nine endangered Habenaria species and phylogenetic analysis. BMC plant biology, 24(1), 1046.

Song BN, et al. (2024) Phylogeny and diversification of genus Sanicula L. (Apiaceae): novel insights from plastid phylogenomic analyses. BMC plant biology, 24(1), 70.

Chen Y, et al. (2024) Chloroplast genome data of five Amygdalus species: Clarifying genome structure and phylogenetic relationships. Data in brief, 53, 110077.

Lubna , et al. (2024) The complete plastome sequences of invasive weed Parthenium hysterophorus: genome organization, evolutionary significance, structural features, and comparative analysis. Scientific reports, 14(1), 4006.

Duan Y, et al. (2024) Comparative and phylogenetic analysis of the chloroplast genomes of four commonly used medicinal cultivars of Chrysanthemums morifolium. BMC plant biology, 24(1), 992.

Yang L, et al. (2024) Plastome characterization and its phylogenetic implications on Lithocarpus (Fagaceae). BMC plant biology, 24(1), 1277.

Ahmad W, et al. (2023) Comparative plastome genomics, taxonomic delimitation and evolutionary divergences of Tetraena hamiensis var. qatarensis and Tetraena simplex (Zygophyllaceae). Scientific reports, 13(1), 7436.

Wang M, et al. (2023) Mitochondrial genome comparison and phylogenetic analysis of Dendrobium (Orchidaceae) based on whole mitogenomes. BMC plant biology, 23(1), 586.

Zhao J, et al. (2023) Phylogenetics Study to Compare Chloroplast Genomes in Four Magnoliaceae Species. Current issues in molecular biology, 45(11), 9234.

Zhou Y, et al. (2023) Comparative plastomes of Pueraria montana var. lobata (Leguminosae: Phaseoleae) and closely related taxa: insights into phylogenomic implications and evolutionary divergence. BMC genomics, 24(1), 299.

Li Y, et al. (2023) Sequencing and analysis of the complete mitochondrial genomes of Toona sinensis and Toona ciliata reveal evolutionary features of Toona. BMC genomics, 24(1), 58.

Xu K, et al. (2022) Comparative analysis of complete Ilex (Aquifoliaceae) chloroplast genomes: insights into evolutionary dynamics and phylogenetic relationships. BMC genomics, 23(1), 203.

Jin Y, et al. (2022) Comparative and phylogenetic analysis of the complete chloroplast genome sequences of Allium mongolicum. Scientific reports, 12(1), 21676.