

Resource Summary Report

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GeSeq

RRID:SCR_017336

Type: Tool

Proper Citation

GeSeq (RRID:SCR_017336)

Resource Information

URL: <https://chlorobox.mpimp-golm.mpg.de/geseq.html>

Proper Citation: GeSeq (RRID:SCR_017336)

Description: Software tool for rapid and accurate annotation of organelle genomes, in particular chloroplast genomes.

Resource Type: software resource, software application, data processing software, service resource

Defining Citation: [PMID:28486635](#)

Keywords: rapid, accurate, annotation, organelle, genome, chloroplast, bio.tools

Funding: Human Frontier Science Program ;
Max Planck Society ;
German Science Foundation

Availability: Free, Freely available

Resource Name: GeSeq

Resource ID: SCR_017336

Alternate IDs: biotools:geseq

Alternate URLs: <https://bio.tools/geseq>

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260808T190318+0000

Ratings and Alerts

No rating or validation information has been found for GeSeq .

No alerts have been found for GeSeq .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 535 mentions in open access literature.

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

Aoyagi YB, et al. (2026) Chromosome-level genome assembly of the Gerbera (*Gerbera hybrida*) using HiFi long-read and Hi-C technologies. *DNA research : an international journal for rapid publication of reports on genes and genomes*, 33(1).

Zheng J, et al. (2026) Mitochondrial genome of the invasive weed *Amaranthus palmeri*: structural features, RNA editing, and evolutionary insights. *BMC plant biology*, 26(1).

Shrestha B, et al. (2026) Global metagenomics reveals plastid diversity and unexplored algal lineages. *Nature communications*, 17(1).

Crowell RM, et al. (2026) Plastid genome structure and phylogenomics of the freshwater red algal order Batrachospermales (Rhodophyta). *Journal of phycology*, 62(2), 304.

Lee JJ, et al. (2026) Super-barcoding of four *Agrimonia* species distributed in Korea based on complete plastid genomes and nuclear ribosomal DNAs. *PloS one*, 21(2), e0341151.

Alharbi SA, et al. (2026) Conservation Status, Plastome Diversity, and Evolutionary Diversification of Three Arabian *Desmidorchis* Endemics (Apocynaceae). *Biology*, 15(10).

Wang B, et al. (2026) Complete mitochondrial genomes of the two high-valued bromeliads: comparative genomics and evolutionary insights. *BMC genomics*, 27(1).

Liu X, et al. (2026) Complete chloroplast genome sequence and phylogenetic analysis of *Gloiopeltis furcata* (Gigartinales, Florideophyceae). *Mitochondrial DNA. Part B, Resources*, 11(3), 404.

Wu ZH, et al. (2026) Comparative analysis of chloroplast genomes reveals molecular evolution and phylogenetic relationships in *Styrax* (Styracaceae). *BMC plant biology*, 26(1).

Abdullah , et al. (2026) Comparative chloroplast genomics of Cardueae (Carduoideae, Asteraceae): the first tribe-wide analysis. *BMC plant biology*, 26(1), 341.

Nguyen NN, et al. (2026) Complete chloroplast genome of *Camellia yokdonensis* Dung bis & Hakoda (Theaceae), a useful genomic data for elucidating evolution of Vietnamese endemic tea species. *Data in brief*, 67, 112894.

Zhang S, et al. (2026) Assembly and comparative analysis of the complete mitochondrial genome of the *Maclura tricuspidata*. BMC genomics, 27(1), 129.

Droc G, et al. (2026) A Super-Pangenome for Cultivated Citrus Reveals Evolutive Features During the Allopatric Phase of Their Reticulate Evolution. Plant biotechnology journal, 24(5), 3345.

Ahn JY, et al. (2026) Genomic diversity of *Ligularia* revealed by complete plastid genomes and nuclear ribosomal DNAs from 16 collections in Korean Peninsula and Mt. Hallasan. PloS one, 21(2), e0343215.

Amenu SG, et al. (2026) Codon usage bias and selective constraints in Gentianales mitogenomes. BMC genomics, 27(1), 218.

Asakura N, et al. (2026) Comparative plastid genomics of *Hippophae* reveals phylogenetic relationships and provides candidate DNA markers for taxonomic identification. Scientific reports, 16(1).

Wang H, et al. (2026) Integrative chloroplast genomics of Polygonaceae: evolutionary dynamics, codon optimization, and phylogenetic resolution. BMC plant biology, 26(1).

Lv T, et al. (2026) Chloroplast Phylogenomics and Evolutionary History of the Alpine Endemic *Eutrema scapiflorum*. International journal of molecular sciences, 27(12).

Lei M, et al. (2026) Assembly and Comparative Analysis of the Complete Mitochondrial Genome of *Corydalis ophiocarpa* (Papaveraceae). Current issues in molecular biology, 48(6).

Pennington LK, et al. (2026) A reference genome for Colusa grass, *Neostapfia colusana*, a threatened and endangered California vernal pool plant. The Journal of heredity, 117(3), 459.