

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: 20260801T190848+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 375 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Sari E, et al. (2026) Gene duplication, horizontal gene transfer, and trait trade-offs drive evolution of postfire resource acquisition in pyrophilous fungi. *Proceedings of the National Academy of Sciences of the United States of America*, 123(1), e2519152123.

Zhang S, et al. (2025) Comparative genomics uncovers organellar genome structural divergence in Caryophyllales and reveals widespread non-coding transcription in *Bougainvillea glabra* organellar. *BMC genomics*, 26(1), 722.

Jiang Y, et al. (2025) Comparative chloroplast genomes of *Incarvillea* species (Bignoniaceae) unveiled genomic diversity and shed light on phylogenetic relationships. *BMC plant biology*, 25(1), 399.

Yuan J, et al. (2025) Comparative and phylogenetic analyses of the chloroplast genomes of mangrove plants. *Scientific reports*, 15(1), 3915.

Zhou G, et al. (2025) De novo assembly of the mitochondrial genome of *Glycyrrhiza glabra* and identification of two types of homologous recombination configurations caused by repeat sequences. *BMC genomics*, 26(1), 13.

Chen D, et al. (2025) Largest genome assembly in Brassicaceae: retrotransposon-driven genome expansion and karyotype evolution in *Matthiola incana*. *Plant biotechnology journal*, 23(9), 4109.

Robbins MD, et al. (2025) Haplotype-resolved genome assembly of 'Manhattan' perennial ryegrass (*Lolium perenne* L.) and characterization of drought responsive late embryogenesis abundant genes. *BMC genomics*, 26(1), 1125.

Al-Andal A, et al. (2025) Plastome diversity and phylogenetic insights among modern Egyptian wheat cultivars: Genome-Wide and Gene-Level perspectives. *BMC plant biology*, 25(1), 1781.

Sulaiman S, et al. (2025) The complete plastome of the Antarctic moss *Andreaea regularis* (Andreaeaceae) and its comparative analyses within Bryophyta. *BMC genomics*, 26(1), 667.

Jiao B, et al. (2025) Global phylogeny and taxonomy of *Artemisia*. *Nature communications*, 16(1), 8648.

Dharmayanthi AB, et al. (2025) The mitochondrial genome sequence of the Bornean orang-utan (*Pongo pygmaeus*) malaria parasite, *Plasmodium pitheci*. *Malaria journal*, 24(1), 321.

Fujiwara K, et al. (2025) A Near Complete Genome Assembly of the Oshima Cherry *Cerasus speciosa*. *Scientific data*, 12(1), 162.

Yong Q, et al. (2025) Complete chloroplast genomes of 13 species of the *Impatiens* genus for genomic features and phylogenetic relationships studies. *Scientific reports*, 15(1), 4258.

Liu B, et al. (2025) Complete chloroplast genome data of *Trollius ledebourii* Rehb, an important medicinal plant species. *Data in brief*, 59, 111408.

Witharana EP, et al. (2025) Subfamily evolution analysis using nuclear and chloroplast data from the same reads. *Scientific reports*, 15(1), 687.

Wu T, et al. (2025) Ancient Hybridisation Fuelled Diversification in *Acropora* Corals. *Molecular ecology*, 34(22), e17615.

Bai X, et al. (2025) Unraveling the mitochondrial genome of the medicinal Chinese motherwort (*Leonurus japonicus*, Lamiaceae): structural dynamics, organelle-to-nuclear gene transfer, and evolutionary implications. *Frontiers in plant science*, 16, 1546449.

Kamakura S, et al. (2025) Reminiscent of the pre-diatom? A hitherto undescribed scaly bolidophyte *Lepidoparma frigida* gen. et sp. nov. in a new order *Lepidoparmales* based on morphology, phylogeny, and ecology. *Journal of phycology*, 61(4), 757.

Ren Z, et al. (2025) A combined treatment regimen for *Trichuris rhinopittheroxella* infection in *Rhinopithecus roxellana* in southern China. *International journal for parasitology. Parasites and wildlife*, 26, 101036.

Wang ZY, et al. (2025) ???*Barbastellacaspica* (Chiroptera, Vespertilionidae) in China: first record and complete mitochondrial genome. *ZooKeys*, 1228, 115.