

Resource Summary Report

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VISTA Browser

RRID:SCR_011808

Type: Tool

Proper Citation

VISTA Browser (RRID:SCR_011808)

Resource Information

URL: <http://pipeline.lbl.gov/cgi-bin/gateway2>

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Description: Software tools for comparative genomics. Comprehensive suite of programs and databases for comparative analysis of genomic sequences. There are two ways of using VISTA - you can submit your own sequences and alignments for analysis (VISTA servers) or examine pre-computed whole-genome alignments of different species.

Synonyms: VISTA, vista

Resource Type: software resource, software toolkit

Defining Citation: [PMID:15215394](#)

Keywords: Comparative genomics tools, genomic sequences, comparative analysis, bio.tools, FASEB list

Funding: NHLBI ;
Office of Biological and Environmental Research ;
Office of Science ;
US Department of Energy

Availability: Free, Freely available

Resource Name: VISTA Browser

Resource ID: SCR_011808

Alternate IDs: OMICS_00948, biotools:vista

Alternate URLs: <http://genome.lbl.gov/vista/index.shtml>, <https://bio.tools/vista>

Record Creation Time: 20220129T080306+0000

Ratings and Alerts

No rating or validation information has been found for VISTA Browser.

No alerts have been found for VISTA Browser.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 125 mentions in open access literature.

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

Ren YR, et al. (2026) Structural and functional annotation of the *Populus × xiaohei* var. *gansuensis* (C. Wang & H.L. Yang) C. Shang chloroplast genome. Mitochondrial DNA. Part B, Resources, 11(1), 64.

Kim SW, et al. (2026) Conserved noncoding sequence-9 regulates NFATc1-mediated IL-10 expression in B cells to control inflammatory responses. Science advances, 12(17), eaec7779.

Kumar Biswas M, et al. (2026) Chloroplast genome assembly, annotation, comparative genomics, and genetic diversity analysis of a vulnerable endemic species *Lavandula maroccana* Murb. PloS one, 21(3), e0345166.

Liu W, et al. (2026) Comparative analysis of complete chloroplast genomes reveals the phylogenetic relationships of *Lygodium* Sw. (Lygodiaceae) species in China. BMC genomics, 27(1), 199.

Chen S, et al. (2026) Assembly of the *Delphinium densiflorum* Chloroplast Genome and Comparative Genomics Within *Delphinium*. Genes, 17(2).

Kadam SK, et al. (2026) Refined chloroplast annotations, repeat profiles, and phylogenomic evidence reveal maternal lineage shifts and independent evolution in the *Triticum-Aegilops* complex. BMC plant biology, 26(1), 239.

Hawkins MB, et al. (2025) Establishment, conservation, and innovation of dorsal determination mechanisms during the evolution of vertebrate paired appendages. bioRxiv : the preprint server for biology.

Xu J, et al. (2025) Genomic Phylogenetic Analysis of *Physaliastrum* and *Archiphysalis* (Solanaceae): Insights From Chloroplast Genomes Indicate Distinct Evolutionary Relationships. Ecology and evolution, 15(7), e71762.

Trinh LT, et al. (2025) Positive autoregulation of Sox17 is necessary for gallbladder and extrahepatic bile duct formation. *Development (Cambridge, England)*, 152(2).

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

Yang M, et al. (2025) Phylogenetic analysis of nine *Impatiens* species from subgenus *Clavicularia* and subgenus *Impatiens* (Sect. *Impatiens* and Sect. *Racemosae*) based on chloroplast genomes. *Frontiers in plant science*, 16, 1541320.

Lin Z, et al. (2025) Comparative and phylogenetic analysis of complete chloroplast genomes of *Phrynium* s. s. and *Stachyphrynium* (Marantaceae) in China, including a new species. *Frontiers in plant science*, 16, 1569683.

Ikeda M, et al. (2025) Transcriptome Analysis Suggested Striking Transition Around the End of Epiboly in the Gene Regulatory Network Downstream of the Oct4-Type POU Gene in Zebrafish Embryos. *Development, growth & differentiation*, 67(5), 245.

Yoro E, et al. (2025) The transcription factor PpRKD evokes female developmental fate in the sexual reproductive organs of *Physcomitrium patens*. *The New phytologist*, 245(2), 653.

Huang M, et al. (2025) Comparative analysis of chloroplast genomes and transcriptomics reveals the adaptation of *Glycyrrhiza* to salt stress. *Plant signaling & behavior*, 20(1), 2584568.

Ji Y, et al. (2025) Complete chloroplast genome of *Ecklonia maxima* and comparative analysis with related species. *BMC genomics*, 27(1), 105.

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.

Ohm H, et al. (2025) Comprehensive identification of the PEBP gene family in *Vicia faba* highlighting VtTFL1a variation and phenotypic insights into determinate growth. *Scientific reports*, 15(1), 28687.

Zhong Q, et al. (2025) Comparative and phylogenetic analysis of the complete chloroplast genome sequences of *Melanoseris cyanea* group. *Scientific reports*, 15(1), 10566.

Zheng E, et al. (2025) Comparative analysis of chloroplast genomes and phylogenetic relationships of different pitaya cultivars. *BMC genomics*, 26(1), 463.