

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

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 87 mentions in open access literature.

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

Yao J, et al. (2025) Chloroplast Genome Sequencing and Comparative Analysis of Six Medicinal Plants of Polygonatum. Ecology and evolution, 15(1), e70831.

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

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.

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

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.

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

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.

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

- 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.
- 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.
- 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.
- 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.
- 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.
- Yang R, et al. (2025) The role of ladderlectin in spermatogenesis and ovarian sperm storage in the black rockfish (*Sebastes schlegelii*). *Communications biology*, 8(1), 626.
- Futas J, et al. (2024) Comparative genomics of the Natural Killer Complex in carnivores. *Frontiers in immunology*, 15, 1459122.
- Yang S, et al. (2024) Comparative chloroplast genomes of *Dactylicapnos* species: insights into phylogenetic relationships. *BMC plant biology*, 24(1), 350.
- Cormier SA, et al. (2024) Identification of a Chondrocyte-Specific Enhancer in the *Hoxc8* Gene. *Journal of developmental biology*, 12(1).
- Kwon SH, et al. (2024) Genetic Insights into the Extremely Dwarf *Hibiscus syriacus* var. *micranthus*: Complete Chloroplast Genome Analysis and Development of a Novel dCAPS Marker. *Current issues in molecular biology*, 46(3), 2757.
- Li Y, et al. (2024) Genomic Sequencing and Analysis of Enzootic Nasal Tumor Virus Type 2 Provides Evidence for Recombination within the Prevalent Chinese Strains. *Veterinary sciences*, 11(6).