

Resource Summary Report

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DnaSP

RRID:SCR_003067

Type: Tool

Proper Citation

DnaSP (RRID:SCR_003067)

Resource Information

URL: <http://www.ub.edu/dnasp/>

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Description: A software package for the analysis of nucleotide polymorphism from aligned DNA sequence data. DnaSP can estimate several measures of DNA sequence variation within and between populations (in noncoding, synonymous or nonsynonymous sites, or in various sorts of codon positions), as well as linkage disequilibrium, recombination, gene flow and gene conversion parameters. DnaSP can also carry out several tests of neutrality: Hudson, Kreitman and Aguad (1987), Tajima (1989), McDonald and Kreitman (1991), Fu and Li (1993), and Fu (1997) tests. Additionally, DnaSP can estimate the confidence intervals of some test-statistics by the coalescent. The results of the analyses are displayed on tabular and graphic form.

Abbreviations: DnaSP

Synonyms: DNA Sequence Polymorphism

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

Defining Citation: [PMID:19346325](#), [PMID:19378153](#), [PMID:14668244](#), [PMID:10089204](#), [PMID:9183537](#), [PMID:8808578](#)

Keywords: genetics, dna, population genetics, sequence, polymorphism, nucleotide polymorphism, dna sequence, population, noncoding, synonymous, nonsynonymous

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Spanish Direccion General de Investigacion Cientifica y Technica BFU2007-6292

Availability: Free, Available for download, Freely available

Resource Name: DnaSP

Resource ID: SCR_003067

Alternate IDs: OMICS_01820, nif-0000-30461

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260803T040333+0000

Ratings and Alerts

No rating or validation information has been found for DnaSP.

No alerts have been found for DnaSP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5935 mentions in open access literature.

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

Zhang RL, et al. (2026) Comparative Plastome Analysis of Artocarpus Species in China: Insight Into Adaptive Evolution and Mutational Hotspot Regions. Ecology and evolution, 16(1), e72881.

Arce LF, et al. (2025) Genetic diversity of Diocotophyme renale in Southern South America. Parasitology, 152(8), 776.

Wu P, et al. (2025) OGU: A Toolbox for Better Utilising Organelle Genomic Data. Molecular ecology resources, 25(3), e14044.

Djoko Tagne CS, et al. (2025) A single mutation G454A in the P450 CYP9K1 drives pyrethroid resistance in the major malaria vector Anopheles funestus reducing bed net efficacy. Genetics, 229(1), 1.

Zhang R, et al. (2025) Comparative organelle genomics in Daphniophyllaceae reveal phylogenetic position and organelle structure evolution. BMC genomics, 26(1), 40.

Wang T, et al. (2025) Molecular phylogeny and comparative chloroplast genome analysis of the type species Crucigenia quadrata. BMC plant biology, 25(1), 64.

Wang X, et al. (2025) Phylogenetic Relationships of Three *Ramaria* Species Based on Mitochondrial Genome Analysis. *Ecology and evolution*, 15(2), e70901.

Öz, et al. (2025) Mitogenomic Analysis of Glirids (Gliridae) and Squirrels (Sciuridae) From Türkiye: Evolutionary and Taxonomic Implications Within the Suborder Sciuromorpha. *Ecology and evolution*, 15(2), e70956.

Horaud M, et al. (2025) Allochrony in Atlantic Lumpfish: Genomic and Otolith Shape Divergence Between Spring and Autumn Spawners. *Ecology and evolution*, 15(2), e70946.

Ma H, et al. (2025) Complete Chloroplast Genomes of 9 *Impatiens* Species: Genome Structure, Comparative Analysis, and Phylogenetic Relationships. *International journal of molecular sciences*, 26(2).

Krause-Kyora B, et al. (2025) Neolithic introgression of IL23R-related protection against chronic inflammatory bowel diseases in modern Europeans. *EBioMedicine*, 113, 105591.

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Ru S, et al. (2025) Two complete chloroplast genomes of *Ceratophyllum*, an aquatic genus with unresolved phylogenetic position. *Mitochondrial DNA. Part B, Resources*, 10(3), 192.

Turan C, et al. (2025) Systematic identification of needlefish (Belonidae) species using molecular genetic and morphological markers in the Mediterranean and Black Seas. *PloS one*, 20(2), e0315401.

Masuko R, et al. (2025) Maternal and paternal lineage analysis of Island Southeast Asian goats reveals continental propagation routes and introgression through the Indian ocean. *Scientific reports*, 15(1), 9411.

Gunyakti Kilinc S, et al. (2025) Comparative Analysis of Nuclear (Ef1?) and Mitochondrial (mt-CO1 and mt-Nad5) Markers for Molecular Characterization of Sheep Isolates of *Echinococcus granulosus sensu lato*. *Veterinary medicine and science*, 11(2), e70313.

Wen X, et al. (2025) Population Genetic Diversity and Viability of the North China Leopard (*Panthera pardus japonensis*) in the Eastern Loess Plateau, China. *Ecology and evolution*, 15(3), e71150.

Wu Q, et al. (2025) Diversity of lanternfish (Myctophidae) larvae along the Ninety East Ridge, Indian Ocean. *PeerJ*, 13, e19144.

Song S, et al. (2025) Comparative mitogenomic analysis of Chinese cavefish *Triplophysa* (Cypriniformes: Nemacheilidae): novel gene tandem duplication and evolutionary implications. *BMC genomics*, 26(1), 293.

Tahir Ul Qamar M, et al. (2025) Comparative genomics profiling of Citrus species reveals the diversity and disease responsiveness of the GLP pangenes family. *BMC plant biology*, 25(1), 388.