

Resource Summary Report

Generated by NIF on May 27, 2025

GENEPOP

RRID:SCR_009194

Type: Tool

Proper Citation

GENEPOP (RRID:SCR_009194)

Resource Information

URL: <http://wbiomed.curtin.edu.au/genepop/>

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Description: Population genetic data analysis software package. Used to perform exact Hardy Weinberg Equilibrium test. Used for population differentiation and for genotypic disequilibrium among pairs of loci. Computes estimates of F-statistics, null allele frequencies, allele size-based statistics for microsatellites, etc. and performs analyses of isolation by distance from pairwise comparisons of individuals or population samples.

Abbreviations: Genepop

Synonyms: genepop'007

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

Defining Citation: [PMID:21585727](#)

Keywords: Population, differentiation, genetic, data, analysis, Hardy Weinberg Equilibrium test, statistics, genotyping, disequilibrium, pair, loci, allele, frequency

Funding:

Availability: Free, Available for download, Freely available

Resource Name: GENEPOP

Resource ID: SCR_009194

Alternate IDs: nlx_154337

Alternate URLs: <https://kimura.univ-montp2.fr/~rousset/Genepop.htm>, <https://cran.r-project.org/web/packages/genepop/index.html>

License: CeCILL licence

Record Creation Time: 20220129T080251+0000

Record Last Update: 20250527T055053+0000

Ratings and Alerts

No rating or validation information has been found for GENEPOP.

No alerts have been found for GENEPOP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2222 mentions in open access literature.

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

Yang H, et al. (2025) Population Genetics of *Haliotis discus hannai* in China Inferred Through EST-SSR Markers. *Genes*, 16(1).

Lawrence AJ, et al. (2025) Maintenance of Genetic Diversity Despite Population Fluctuations in the Lesser Prairie-Chicken (*Tympanuchus pallidicinctus*). *Ecology and evolution*, 15(1), e70879.

Lamperty T, et al. (2025) Defaunation Increases Clustering and Fine-Scale Spatial Genetic Structure in a Small-Seeded Palm Despite Remaining Small-Bodied Frugivores. *Molecular ecology*, 34(2), e17620.

E Souza KDS, et al. (2025) Demographic and historical processes influencing *Cochliomyia hominivorax* (Diptera: Calliphoridae) population structure across South America. *Parasites & vectors*, 18(1), 18.

Orkin JD, et al. (2025) Landscape and conservation genetics of western black crested gibbons (*Nomascus concolor*) in China. *American journal of primatology*, 87(1), e23662.

Niu M, et al. (2025) Microsatellite and Mitochondrial COI Provide Novel Insights Into the

Population Genetic Structure of White Prunicola Scale (*Pseudaulacaspis prunicola*) in China. *Ecology and evolution*, 15(1), e70865.

Hou Q, et al. (2025) Genomic microsatellite characterization and development of polymorphic microsatellites in *Eospalax baileyi*. *Scientific reports*, 15(1), 524.

Johansen T, et al. (2025) Development of SNP for *Sebastes* Species Identification With Special Focus on the Cryptic Species Complex of *Sebastes norvegicus*. *Ecology and evolution*, 15(1), e70767.

Chamnanya S, et al. (2025) Overexpression of multiple cytochrome P450 genes with and without knockdown resistance mutations confers high resistance to deltamethrin in *Culex quinquefasciatus*. *Infectious diseases of poverty*, 14(1), 2.

Viana J, et al. (2025) Fine-Scale Genetic Structure of Small Fish Populations in Islands: The Case of Brook Charr *Salvelinus fontinalis* (Mitchill, 1814) in Saint-Pierre and Miquelon (France). *Evolutionary applications*, 18(1), e70041.

Walter WD, et al. (2024) Large-scale assessment of genetic structure to assess risk of populations of a large herbivore to disease. *Ecology and evolution*, 14(5), e11347.

Zhang H, et al. (2024) Forensic features and phylogenetic structure survey of four populations from southwest China via the autosomal insertion/deletion markers. *Forensic sciences research*, 9(2), owad052.

Mangabeira-Silva IS, et al. (2024) Characterization of microsatellite markers in the coding regions of the *Penaeus vannamei* genome. *PLoS one*, 19(5), e0289351.

Stroupe S, et al. (2024) Development and evaluation of a novel single nucleotide polymorphism panel for North American bison. *Evolutionary applications*, 17(2), e13658.

Feng Y, et al. (2024) Forensic analysis and sequence variation of 133 STRs in the Hakka population. *Frontiers in genetics*, 15, 1347868.

Feng H, et al. (2024) Forest fragmentation causes an isolated population of the golden takin (*Budorcas taxicolor bedfordi* Thomas, 1911) (Artiodactyla: Bovidae) in the Qinling Mountains (China). *BMC zoology*, 9(1), 2.

Salas-Castañeda MR, et al. (2024) Novel microsatellite markers suggest significant genetic isolation in the Eastern Pacific sponge *Aplysina gerardogreeni*. *Molecular biology reports*, 51(1), 87.

Kim KR, et al. (2024) Assessment of the Genetic Diversity and Structure of the Korean Endemic Freshwater Fish *Microphysogobio longidorsalis* (Gobioninae) Using Microsatellite Markers: A First Glance from Population Genetics. *Genes*, 15(1).

Belton S, et al. (2024) Molecular characterisation of *Pinus sylvestris* (L.) in Ireland at the western limit of the species distribution. *BMC ecology and evolution*, 24(1), 12.

Surina B, et al. (2024) Lack of pollinators selects for increased selfing, restricted gene flow

and resource allocation in the rare Mediterranean sage *Salvia brachyodon*. *Scientific reports*, 14(1), 5017.