# Resource Summary Report

Generated by dkNET on Apr 17, 2025

## GENEPOP

RRID:SCR_009194
Type: Tool

### Proper Citation

GENEPOP (RRID:SCR_009194)

### Resource Information

**URL:** http://wbiomed.curtin.edu.au/genepop/

**Proper Citation:** GENEPOP (RRID:SCR_009194)

**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 processing software, data analysis software, software resource, software application

**Defining Citation:** PMID:21585727

**Keywords:** Population, differentation, 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:** 20250417T065342+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 dkNET.

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.

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.

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.

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.

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.

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

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.

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.