

Resource Summary Report

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STRUCTURE

RRID:SCR_017637

Type: Tool

Proper Citation

STRUCTURE (RRID:SCR_017637)

Resource Information

URL: <https://web.stanford.edu/group/pritchardlab/structure.html>

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Description: Software package for using multi locus genotype data to investigate population structure. Used for inferring presence of distinct populations, assigning individuals to populations, studying hybrid zones, identifying migrants and admixed individuals, and estimating population allele frequencies in situations where many individuals are migrants or admixed. Can be applied to most of commonly used genetic markers, including SNPS, microsatellites, RFLPs and Amplified Fragment Length Polymorphisms.

Synonyms: structure, Structure

Resource Type: software toolkit, software resource

Defining Citation: [PMID:21564903](#), [PMID:18784791](#), [PMID:12930761](#), [PMID:10835412](#)

Keywords: Multi locus genotype data, investigate population structure, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: STRUCTURE

Resource ID: SCR_017637

Alternate IDs: SCR_021634, nlx_154662, biotools:structure, SCR_002151

Alternate URLs: <https://bio.tools/structure>, <http://pritch.bsd.uchicago.edu/structure.html>,

Record Creation Time: 20220129T080336+0000

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Ratings and Alerts

No rating or validation information has been found for STRUCTURE.

No alerts have been found for STRUCTURE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4017 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Jimenez A, et al. (2026) Defining Genetic Ancestry: Implications for Nurses. Biological research for nursing, 28(1), 149.

Hagen IJ, et al. (2026) Genetic Markers for Tracing Introgression of Farmed Atlantic Salmon (*Salmo salar*) in Wild Conspecifics. Molecular ecology resources, 26(1), e70065.

Sinovas P, et al. (2025) Giants in the landscape: status, genetic diversity, habitat suitability and conservation implications for a fragmented Asian elephant (*Elephas maximus*) population in Cambodia. PeerJ, 13, e18932.

Guo D, et al. (2025) Cryptic diversity, phenotypic congruence, and evolutionary history of the *Leptobotia citraurata* complex (Pisces: Botiidae) within subtropical eastern China. BMC ecology and evolution, 25(1), 23.

Blumstein M, et al. (2025) Genomics highlight an underestimation of phenology sensitivity to the urban heat island effect. Proceedings of the National Academy of Sciences of the United States of America, 122(12), e2408564122.

Mwesigwa A, et al. (2025) Genetic diversity and population structure of *Plasmodium falciparum* across areas of varied malaria transmission intensities in Uganda. Malaria journal, 24(1), 97.

Ambu J, et al. (2025) Genomic, Phenotypic and Environmental Correlates of Speciation in the Midwife Toads (*Alytes*). Molecular ecology, 34(8), e17736.

Birchard K, et al. (2025) Popfinder: A Highly Effective Artificial Neural Network Package for Genetic Population Assignment. Molecular ecology resources, 25(6), e14096.

Kumar M, et al. (2025) Identification of resistance sources and genomic regions regulating *Septoria tritici* blotch resistance in South Asian bread wheat germplasm. The plant genome, 18(1), e20531.

Umbrello L, et al. (2025) Noninvasive sampling reveals landscape genetic structure in the threatened ghost bat (*Macroderma gigas*) in an ore-rich region of Western Australia. The Journal of heredity, 116(4), 453.

Klobučník M, et al. (2025) Conservation genetic evaluation of *Juniperus communis* sensu lato in Slovakia. *Scientific reports*, 15(1), 8398.

Mei S, et al. (2025) Comprehensive elucidation on the genetic profile of the Hezhou Han population via an efficient InDel panel. *Forensic sciences research*, 10(1), owae021.

Dufresnes C, et al. (2025) Speciation and historical invasions of the Asian black-spined toad (*Duttaphrynus melanostictus*). *Nature communications*, 16(1), 298.

Patova A, et al. (2025) Population genomics and connectivity of *Vazella pourtalesii* sponge grounds of the northwest Atlantic with conservation implications of deep sea vulnerable marine ecosystems. *Scientific reports*, 15(1), 1540.

Shim D, et al. (2025) Eu-Substituents-Induced Modifications in the Thermoelectric Properties of the Zintl Phase $\text{Ba}_{1-x}\text{Eu}_x\text{Zn}_2\text{Sb}_2$ System. *Molecules* (Basel, Switzerland), 30(2).

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.

Chen Y, et al. (2025) Genetic Pattern and Demographic History of Orange-Spotted Grouper (*Epinephelus coioides*) in the South China Sea by the Influence of Pleistocene Climatic Oscillations. *Ecology and evolution*, 15(2), e70967.

Schmidt SA, et al. (2025) Diversity on a small scale: phylogeography of the locally endemic dwarf succulent genus *Oophytum* (Aizoaceae) in the Knersvlakte of South Africa. *Annals of botany*, 135(4), 735.

Engelbrecht E, et al. (2025) Germline polymorphisms in the immunoglobulin kappa and lambda loci explain variation in the expressed light chain antibody repertoire. *bioRxiv : the preprint server for biology*.

Garrett MJ, et al. (2025) Genetic Variation and Metapopulation Structure Inform Recovery Goals in a Threatened Species. *Genes*, 16(6).