

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

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 resource, software toolkit

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, SCR_002151, biotools:structure

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

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260821T194123+0000

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 4177 mentions in open access literature.

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

Kabbashi S, et al. (2026) Association of OPG, TNF-?, and IL-1B Gene Variants With Periodontitis in a South African Population. *International dental journal*, 76(4), 109606.

Nawae W, et al. (2026) Genome Assembly of Three Shrub Mangroves in the Genus *Acanthus* Reveals Two Polyploidy Events and Expansion of Genes Linked to Root Adaptation in Coastal Habitats. *GigaScience*, 15.

Dai Q, et al. (2026) Comparative Population Genetics of Two Alvinocaridid Shrimp Species in Chemosynthetic Ecosystems of the Western Pacific. *Integrative zoology*, 21(2), 291.

Ekerette E, et al. (2026) Divergent ancestry of Korean native and Thai chickens with independent gene pool retention by Korean commercial chickens. *Animal bioscience*, 39(3), 250315.

Clugston JAR, et al. (2026) Low genetic differentiation among morphologically distinct *Cycas* species informs the delineation of conservation management units. *Annals of botany*, 137(2), 415.

Adnan A, et al. (2026) Unveiling the genetic tapestry of Kohistan: a population genetic analysis of autosomal STRs in a South Asian population. *BMC genomics*, 27(1).

Xiao Z, et al. (2026) Spatially biased collections and the failure to cover all wild genetic clusters in plant populations under ex situ conservation. *Plant diversity*, 48(1), 75.

Das S, et al. (2026) Genome-wide association analysis to identify QTLs and candidate genes associated with grain yield and its related traits under low light conditions in rice (*Oryza sativa* L.). *The plant genome*, 19(1), e70191.

Prakash U, et al. (2026) Integrating morphological and molecular diversity to develop high-biomass fodder pearl millet composites. *Frontiers in plant science*, 17, 1767075.

Huang C, et al. (2026) Genome-Wide InDel Marker Development and Genetic Diversity Analysis of 52 Tomato Germplasm Accessions. *Plants (Basel, Switzerland)*, 15(7).

Kaboré H, et al. (2026) Genetic Diversity and Population Structure Analysis of Hoary Basil (*Ocimum americanum* L.) Germplasm From Burkina Faso Using Simple Sequence Repeat (SSR) Markers. *TheScientificWorldJournal*, 2026(1), e5778077.

Mapua SA, et al. (2026) Microsatellite analysis of genetic differentiation among populations of the malaria vector *Anopheles funestus* across mainland Tanzania reveals contrasted patterns of geographic isolation and gene flow. *Parasites & vectors*, 19(1), 76.

Bosco S, et al. (2026) Climatic Variables and Virulence May Contribute to the Population Dynamics of *Pyricularia oryzae* at Local Scale. *MicrobiologyOpen*, 15(1), e70196.

Caballero-Díaz C, et al. (2026) Barriers to functional connectivity across contrasting landscapes in the widespread but declining Iberian common toad. *Scientific reports*, 16(1), 7056.

Yuan X, et al. (2026) Genetic Adaptation of *Mesorhizobium* Symbionts Associated With Caragana in Northern China Deserts. *Ecology and evolution*, 16(2), e73134.

Wang R, et al. (2026) Fine-Scale Spatial Genetic Structure and Leaf Shape Variation in Five Fagaceae Species: Insights Into Conservation and Adaptation. *Ecology and evolution*, 16(2), e72863.

Pecrix Y, et al. (2026) Phylogenomics of *Plasmopara halstedii* Reveals Genomic Regions Associated With the Breakdown of Sunflower Downy Mildew Resistance Genes. *Molecular ecology*, 35(4), e70270.

Meuser AV, et al. (2026) Extensive Multi-Species Hybridization Between Leuciscidae Minnow Species. *Molecular ecology*, 35(6), e70301.

Babu P, et al. (2026) Dissecting adult plant resistance to stripe and leaf rust in advanced Indian wheat breeding lines through a genome-wide association study. *BMC plant biology*, 26(1).

Yang W, et al. (2026) Genetic diversity and core collection construction of glutinous rice landraces in 'He' cultivation zone of Guizhou using SSR sequencing. *PloS one*, 21(3), e0343623.