

Resource Summary Report

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GenAEx

RRID:SCR_021102

Type: Tool

Proper Citation

GenAEx (RRID:SCR_021102)

Resource Information

URL: <https://biology-assets.anu.edu.au/GenAEx/Welcome.html>

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Description: Software tool as cross platform package for population genetic analyses that runs within Microsoft Excel. Offers analysis of diploid codominant, haploid and binary genetic loci and DNA sequences. Originally developed as teaching tool to facilitate teaching population genetic analysis at graduate level.

Synonyms: GenAEx 6.5, Genetic Analysis in Excel

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

Defining Citation: [PMID:22820204](#)

Keywords: population genetic analyses, Microsoft Excel, diploid codominant analysis, haploid genetic loci, binary genetic loci, DNA sequences analysis

Availability: Free, Available for download, Freely available

Resource Name: GenAEx

Resource ID: SCR_021102

Record Creation Time: 20220129T080353+0000

Record Last Update: 20260912T195951+0000

Ratings and Alerts

No rating or validation information has been found for GenAEx.

Warning: Warning: PCA results may be sensitive to the sample size, population composition, and the number of columns, in which case the results will not be reliable, robust, nor replicable and should not be used to draw conclusions.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 79 mentions in open access literature.

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

Flores-Huacuja M, et al. (2026) Demographic History of Indigenous Populations in Mexico Explored Through Whole Mitogenome Analysis. *Genome biology and evolution*, 18(5).

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.

Zhang S, et al. (2025) Microsatellite Markers Developed Based on Transcriptomic Data Reveal the Genetic Diversity and Population Genetic Structure of *Angulyagra polyzonata* in Guangxi, China. *Biology*, 14(10).

Mastrangelo AM, et al. (2025) A new wild emmer wheat panel allows to map new loci associated with resistance to stem rust at seedling stage. *The plant genome*, 18(1), e20413.

Belmahi Z, et al. (2025) Morphological and genetic diversity assessment of cultivated *Thymus satureioides* (endemic species) of Morocco. *Journal, genetic engineering & biotechnology*, 23(1), 100467.

Ofem NP, et al. (2025) Genetic diversity and structure of Asian cowpea germplasm. *Scientific reports*, 15(1), 27909.

González-Muñoz JC, et al. (2025) Genetic and morphological variation in the Colombian *Bombyx mori* germplasm: A first SSR-based assessment. *PloS one*, 20(8), e0330183.

Cabrini M, et al. (2025) Lithobiomes Heterogeneity and Geographic Distance Shape the Landscape Genomics Within Brazilian Mountain Systems. *Ecology and evolution*, 15(11), e72476.

I??k Kalpar R, et al. (2025) Microsatellite-based genetic diversity and population structure of local goat breeds in Cyprus. *Research in veterinary science*, 200, 106033.

Dolatabad HK, et al. (2024) Geographical and climatic distribution of lentil-nodulating rhizobia in Iran. *FEMS microbiology ecology*, 100(5).

Cataño Tenorio I, et al. (2024) Spatial population genetic structure of *Caquetaia kraussii* (Steindachner, 1878) evidenced by species-specific microsatellite loci in the middle and low basin of the Cauca River, Colombia. *PloS one*, 19(6), e0304799.

Azon CF, et al. (2024) Molecular Diversity and Agronomic Performance of Sesame (*Sesamum indicum*) Cultivars in Benin: Local Cultivars and Lines Introduced From China. *Plant-environment interactions* (Hoboken, N.J.), 5(6), e70024.

Ualiyeva D, et al. (2024) Genetic Structure and Population History of the Zaisan Toad-Headed Agama (*Phrynocephalus melanurus*) Inferred from Mitochondrial DNA. *Animals* : an open access journal from MDPI, 14(2).

Gao Y, et al. (2024) Genomic insights into differentiation and adaptation of *Amorphophallus yunnanensis* in the mountainous region of Southwest China. *Ecology and evolution*, 14(1), e10861.

Zhou C, et al. (2023) Genetic structure of an endangered species *Ormosia henryi* in southern China, and implications for conservation. *BMC plant biology*, 23(1), 220.

Beyramizadeh E, et al. (2023) Evaluating the effect of gamma rays on *Zamiifolia* (*Zamioculcas zamiifolia*) plant in vitro and genetic diversity of the resulting genotypes using the ISSR marker. *Scientific reports*, 13(1), 8308.

Vásquez C, et al. (2023) Natural mega disturbances drive spatial and temporal changes in diversity and genetic structure on the toadfish *Aphos porosus*. *Scientific reports*, 13(1), 13902.

Oligo S, et al. (2023) East Coast Fever Carrier Status and *Theileria parva* Breakthrough Strains in Recently ITM Vaccinated and Non-Vaccinated Cattle in Iganga District, Eastern Uganda. *Pathogens* (Basel, Switzerland), 12(2).

Gogoi A, et al. (2023) Molecular genetic divergence analysis amongst high curcumin lines of Golden Crop (*Curcuma longa* L.) using SSR marker and use in trait-specific breeding. *Scientific reports*, 13(1), 19690.

Losada LCML, et al. (2023) High-Throughput Microsatellite Markers Development for Genetic Characterization of Emerging *Sporothrix* Species. *Journal of fungi* (Basel, Switzerland), 9(3).