

# Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

## POWERMARKER

RRID:SCR\_009332

Type: Tool

---

### Proper Citation

POWERMARKER (RRID:SCR\_009332)

---

### Resource Information

**URL:** <http://statgen.ncsu.edu/powermarker/>

**Proper Citation:** POWERMARKER (RRID:SCR\_009332)

**Description:** A comprehensive set of statistical methods for genetic marker data analysis, designed especially for SSR/SNP data analysis. PowerMarker builds a powerful user interface around both new and traditional statistical methods for population genetic analysis. See analysis to check out the versatility of PowerMarker. PowerMarker is also a 2D Viewer - which was used intensively for visualizing linkage disequilibria results. (entry from Genetic Analysis Software)

**Abbreviations:** POWERMARKER

**Resource Type:** software resource, software application

**Keywords:** gene, genetic, genomic

**Resource Name:** POWERMARKER

**Resource ID:** SCR\_009332

**Alternate IDs:** nlx\_154544

**Record Creation Time:** 20220129T080252+0000

**Record Last Update:** 20260731T042819+0000

---

### Ratings and Alerts

No rating or validation information has been found for POWERMARKER.

No alerts have been found for POWERMARKER.

---

### Data and Source Information

## Usage and Citation Metrics

We found 623 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Galal AA, et al. (2025) Molecular diversity and genetic potential of new maize inbred lines across varying sowing conditions in arid environment. *Scientific reports*, 15(1), 2809.

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.

Laribi M, et al. (2025) Genetic diversity and population structure of a core collection of Mediterranean durum wheat accessions using DArTseq markers. *BMC genomics*, 26(1), 1130.

Huang M, et al. (2025) Genetic diversity, population structure and quality-trait associations in *Blumea balsamifera* revealed by EST-SSR markers. *PloS one*, 20(7), e0328403.

Li Y, et al. (2025) Migration of wheat stripe rust from the primary overwintering region to neighboring regions in China. *Communications biology*, 8(1), 350.

Wang F, et al. (2025) Phenotypic Characterization and Marker-Trait Association Analysis Using SCoT Markers in Chrysanthemum (*Chrysanthemum morifolium* Ramat.) Germplasm. *Genes*, 16(6).

Ruan X, et al. (2025) Core collection construction and genetic diversity analysis of tea plant (*Camellia sinensis* [L:] O. Kuntze) accessions in Huangshan city using SSR markers. *PloS one*, 20(4), e0322209.

Zeng H, et al. (2025) Phenotypic Traits, SSR Core Primer Screening, and Genetic Diversity Analysis of *Toxicodendron vernicifluum* From Different Seed Sources in Yunnan, China. *Ecology and evolution*, 15(7), e71794.

Siamey J, et al. (2025) Agro-morphological and molecular characterization of *Amaranthus* genotypes. *PloS one*, 20(9), e0328567.

Lei X, et al. (2025) Genetic structure and designing a preliminary core collection of *Zizania latifolia* in China based on 12 microsatellites markers. *PeerJ*, 13, e18909.

Kulkarni KP, et al. (2025) Generation and characterization of novel transcriptome-derived SSR markers for genetic applications in blueberry. *Scientific reports*, 15(1), 25050.

Shahid I, et al. (2025) Phylogenetic analysis of the enigmatic Kalash population in Pakistan. *Scientific reports*, 15(1), 18101.

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

Kim KC, et al. (2025) Development of Simple Sequence Repeat (SSR) Markers from a Genome Survey of a *Cymbidium kanran* Makino Population in Jeju Island, Republic of Korea. *Journal of microbiology and biotechnology*, 35, e2501013.

Mekapogu M, et al. (2025) Evaluation of Genetic Diversity and Identification of Cultivars in Spray-Type *Chrysanthemum* Based on SSR Markers. *Genes*, 16(1).

Islam MZ, et al. (2025) Genetic variability, correlation and path coefficient analysis of phenotypic traits and genetic diversity of Aman rice landraces (*Oryza sativa* L.). *Scientific reports*, 15(1), 18606.

Lun X, et al. (2025) Cell surface Toll-like receptor polymorphisms influence *Bartonella* and ectoparasite infections in striped hamsters. *iScience*, 28(7), 112883.

Ghazy AI, et al. (2025) Selection of heat stress tolerant wheat genotypes for desert environments. *Scientific reports*, 15(1), 36672.

Yi ZH, et al. (2025) A novel EST-SSR fingerprint database development strategy for accurate identification of asparagus cultivars. *BMC plant biology*, 25(1), 1691.

Sehgal D, et al. (2024) Genomic wide association study and selective sweep analysis identify genes associated with improved yield under drought in Turkish winter wheat germplasm. *Scientific reports*, 14(1), 8431.