

Resource Summary Report

Generated by NIF on Sep 4, 2026

MISA

RRID:SCR_010765

Type: Tool

Proper Citation

MISA (RRID:SCR_010765)

Resource Information

URL: <http://pgrc.ipk-gatersleben.de/misa/>

Proper Citation: MISA (RRID:SCR_010765)

Description: Software tool that allows the identification and localization of perfect microsatellites as well as compound microsatellites which are interrupted by a certain number of bases.

Abbreviations: MISA

Synonyms: MISA - MicroSAtellite identification tool

Resource Type: software resource

Keywords: bio.tools

Resource Name: MISA

Resource ID: SCR_010765

Alternate IDs: OMICS_00110, biotools:misa

Alternate URLs: <https://bio.tools/misa>

Record Creation Time: 20220129T080300+0000

Record Last Update: 20260903T235024+0000

Ratings and Alerts

No rating or validation information has been found for MISA.

No alerts have been found for MISA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1053 mentions in open access literature.

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

Bao M, et al. (2026) Combined SMRT and Illumina RNA Sequencing Reveals the Alternative Splicing-Mediated Regulation of Anthocyanin Accumulation in Potato (*Solanum tuberosum* L.). *Plants* (Basel, Switzerland), 15(3).

An KL, et al. (2026) Plastome evolution and phylogenomics of Glycine (Leguminosae: Papilionoideae). *BMC plant biology*, 26(1).

Tao XY, et al. (2026) Characterization and Comparative Analysis of the Complete Mitochondrial Genome of a Limestone-Endemic Endangered Plant Species *Hemiboea yongfuensis* (Gesneriaceae). *Genes*, 17(2).

Wang L, et al. (2026) Chromosome-level genome assembly, annotation, evolutionary analysis, and establishment of transformation systems in *Carex rigescens*. *Plant cell reports*, 45(5).

Gan R, et al. (2026) Development and application of genome-derived SSR markers for genetic diversity analysis, molecular fingerprinting, and core collection construction in *Bougainvillea* (*Bougainvillea* spp.). *BMC genomics*, 27(1).

Tian C, et al. (2026) Complete mitochondrial genome assembly and analysis of *Astragalus* (Papilionoideae: Fabaceae) species revealed its RNA editing and phylogenetic implications. *BMC plant biology*, 26(1).

Guo C, et al. (2026) Chromosome-level genome assembly of the nematophagous flatworm *Luticola nematophagus*: revealing molecular adaptations for predation and its biocontrol potential against nematode diseases. *BMC genomics*, 27(1).

Liang J, et al. (2026) Comparative mitochondrial genomics of cultivated *Sesamum indicum* and its wild relative *Sesamum schinzianum* provides insights into structural features and organellar evolution. *Frontiers in plant science*, 17, 1858359.

Zhang S, et al. (2026) Assembly and comparative analysis of the complete mitochondrial genome of the *Maclura tricuspidata*. *BMC genomics*, 27(1), 129.

Deng Y, et al. (2026) Characterization of the Complete Mitochondrial Genome of *Pedicularis henryi* and Its Phylogenetic Implications in Lamiales. *Biology*, 15(7).

Pan W, et al. (2026) Analysis of chloroplast genomes and SSR classification and identification of *Agropyron* species and closely related species. *Scientific reports*, 16(1), 3579.

Gao J, et al. (2026) Polyploidy drives structural and functional evolution in *Camellia* mitochondrial genomes. *BMC genomics*, 27(1), 224.

Jin C, et al. (2026) Comparative mitochondrial genome analyses of five medicinal mushroom *Sanghuangporus* provide insights into conservation, variation, and phylogenetic relationships. *BMC genomics*, 27(1).

Shi X, et al. (2026) Chloroplast genomes provide new insights into the phylogeny and evolution of the genus *Hibiscus* L. *BMC plant biology*, 26(1).

Wang J, et al. (2026) The chromosomal-level genome assembly and annotation of *Phyllospadix iwatensis* (Surfgrass). *Scientific data*, 13(1).

Wei YM, et al. (2026) Comparative Chloroplast Genome Analyses Reveal a Fine-Scale Phylogenetic Framework and Cryptic Diversity in the *Fagopyrum dibotrys* Complex (Polygonaceae). *Genes*, 17(2).

Lei M, et al. (2026) Assembly and Comparative Analysis of the Complete Mitochondrial Genome of *Corydalis ophiocarpa* (Papaveraceae). *Current issues in molecular biology*, 48(6).

He Y, et al. (2026) Pan-Plastome Evolution and Metabolite Variation Provide Insights to Conservation of the Tibetan Medicinal Plant *Mirabilis himalaica*. *Plants (Basel, Switzerland)*, 15(11).

Alharbi SA, et al. (2026) First Plastome Sequences of Two Endemic Taxa of *Orbea* Haw. from the Arabian Peninsula: Comparative Genomics and Phylogenetic Relationships Within the Tribe Ceropegieae (Asclepiadoideae, Apocynaceae). *Biology*, 15(3).

Ma D, et al. (2026) The complete mitochondrial genome of *Prinsepia uniflora* (Rosaceae): De novo assembly, characterization, and phylogenetic analysis. *BMC genomics*, 27(1).