

Resource Summary Report

Generated by [RRID](#) on Aug 11, 2026

[BIGapp](#)

RRID:SCR_026676

Type: Tool

Proper Citation

BIGapp (RRID:SCR_026676)

Resource Information

URL: <https://github.com/Breeding-Insight/BIGapp>

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Description: Species-agnostic web-based application for processing genotypic data in no-code RShiny user-friendly interface. Allows users without coding experience to process genetic data in all genome ploidy ranges and for multiallelic data, starting from number of input formats (including VCF). Also allows to perform downstream QC analyses (e.g., PCA) and run genomic analysis (e.g., Linkage mapping, QTL analysis, genome-wide association studies (GWAS), and genomic selection (GS)).

Abbreviations: BIGapp

Synonyms: Breeding Insight Genomics App

Resource Type: web application, source code, software resource

Keywords: processing genotypic data in no-code RShiny, process genetic data, genome ploidy ranges, multiallelic data,

Funding: USDA-ARS 8062-21000-043-004-A;
USDA-ARS 8062-21000-052-002-A;
USDA-ARS 8062-21000-052-003-A

Availability: Free, Available for download, Freely available

Resource Name: BIGapp

Resource ID: SCR_026676

Alternate URLs: <https://github.com/Breeding-Insight>

License: Apache-2.0 license

Record Creation Time: 20250401T060330+0000

Record Last Update: 20260810T040930+0000

Ratings and Alerts

No rating or validation information has been found for BIGapp.

No alerts have been found for BIGapp.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Sandercock AM, et al. (2025) BIGapp: A user-friendly genomic tool kit identified quantitative trait loci for creeping rootedness in alfalfa (*Medicago sativa* L.). The plant genome, 18(3), e70067.