

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 12, 2026

LEA

RRID:SCR_022020

Type: Tool

Proper Citation

LEA (RRID:SCR_022020)

Resource Information

URL: <http://membres-timc.imag.fr/Olivier.Francois/LEA/index.htm>

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Description: Software R package for landscape and ecological associations studies. Dedicated to genomewide association tests in general, with emphasis on association with ecological gradients. Runs analyses of population structure and scans for genomic signatures of local adaptation.

Synonyms: Landscape and Ecological Associations

Resource Type: software resource, software toolkit

Defining Citation: [DOI:10.1111/2041-210X.12382](https://doi.org/10.1111/2041-210X.12382)

Keywords: genomewide association tests, estimating ancestry coefficients, large genotypic matrices, evaluating number of ancestral populations, performing population differentiation tests of neutrality, identifying genetic polymorphisms

Availability: Free, Available for download, Freely available

Resource Name: LEA

Resource ID: SCR_022020

Alternate URLs: <https://github.com/bcm-uga/LEA>,
<https://bioconductor.org/packages/LEA/>

License: GPL v3

Record Creation Time: 20220421T050138+0000

Record Last Update: 20260912T200259+0000

Ratings and Alerts

No rating or validation information has been found for LEA.

No alerts have been found for LEA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Berta S, et al. (2025) Assessing genetic gain and diversity in Ethiopian bread wheat across six decades. Scientific reports, 15(1), 36616.

Yang YX, et al. (2024) The chromosome-level genome assembly of an endangered herb *Bergenia scopulosa* provides insights into local adaptation and genomic vulnerability under climate change. GigaScience, 13.

Pickett BD, et al. (2022) Genome assembly of the roundjaw bonefish (*Albula glossodonta*), a vulnerable circumtropical sportfish. GigaByte (Hong Kong, China), 2022, gigabyte44.