

# Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 17, 2026

## ridge regression Best Linear Unbiased Prediction

RRID:SCR\_022519

Type: Tool

### Proper Citation

ridge regression Best Linear Unbiased Prediction (RRID:SCR\_022519)

### Resource Information

**URL:** <https://cran.r-project.org/web/packages/rrBLUP/>

**Proper Citation:** ridge regression Best Linear Unbiased Prediction (RRID:SCR\_022519)

**Description:** Software R package for mixed models with single variance component besides residual error, which allows for efficient prediction with unreplicated training data. Makes ridge regression and other kernel methods accessible to plant breeders interested in genomic selection.

**Abbreviations:** rrBLUP

**Resource Type:** software resource, software toolkit

**Defining Citation:** [DOI:10.3835/plantgenome2011.08.0024](https://doi.org/10.3835/plantgenome2011.08.0024)

**Keywords:** genomic prediction, breeding values, ridge regression, best linear unbiased prediction, genotype space

**Availability:** Free, Available for download, Freely available

**Resource Name:** ridge regression Best Linear Unbiased Prediction

**Resource ID:** SCR\_022519

**License:** GPL v3

**Record Creation Time:** 20220628T050153+0000

**Record Last Update:** 20260912T200300+0000

### Ratings and Alerts

No rating or validation information has been found for ridge regression Best Linear Unbiased Prediction.

No alerts have been found for ridge regression Best Linear Unbiased Prediction.

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Qin MF, et al. (2022) Construction of a high-density bin-map and identification of fruit quality-related quantitative trait loci and functional genes in pear. Horticulture research, 9, uhac141.

Farooq M, et al. (2022) Genomic prediction in plants: opportunities for ensemble machine learning based approaches. F1000Research, 11, 802.