

# Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

## SeedGerm-VIG

RRID:SCR\_027483

Type: Tool

### Proper Citation

SeedGerm-VIG (RRID:SCR\_027483)

### Resource Information

**URL:** <https://github.com/The-Zhou-Lab/SeedGerm-VIG>

**Proper Citation:** SeedGerm-VIG (RRID:SCR\_027483)

**Description:** Software pipeline to quantify seed vigour in wheat and other cereal crops using deep learning powered dynamic phenotypic analysis.

**Resource Type:** software application, data processing software, source code, data analysis software, time-series analysis software, software resource

**Defining Citation:** [DOI:10.1093/gigascience/giaf129](https://doi.org/10.1093/gigascience/giaf129)

**Keywords:** seed vigour, germination, vision-based deep learning, dynamic trait analysis, wheat

**Funding:** National Natural Science Foundation of China 32070400 & U24A20402; Allan & Gill Gray Foundation' Sustainable Productivity for Crop Improvement G118688; the United Kingdom Research and Innovation's (UKRI) Biotechnology and Biological Sciences Research Council (BBSRC) AI in Bioscience Grant BB/Y513969/1; BBSRC's International Partnership Grant BB/Y514081/1; BBSRC's ALERT grant BB/X019683/1

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

**Resource Name:** SeedGerm-VIG

**Resource ID:** SCR\_027483

**License:** MIT

**Record Creation Time:** 20250930T070826+0000

**Record Last Update:** 20260804T043910+0000

### Ratings and Alerts

No rating or validation information has been found for SeedGerm-VIG.

No alerts have been found for SeedGerm-VIG.

---

## 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](#) .

Dai J, et al. (2025) SeedGerm-VIG: an open and comprehensive pipeline to quantify seed vigor in wheat and other cereal crops using deep learning-powered dynamic phenotypic analysis. GigaScience, 14.