

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 3, 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: data analysis software, data processing software, software application, software resource, source code, time-series analysis software

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: Allan & Gill Gray Foundation' Sustainable Productivity for Crop Improvement G118688;

BBSRC's ALERT grant BB/X019683/1;

BBSRC's International Partnership Grant BB/Y514081/1;

National Natural Science Foundation of China 32070400 & U24A20402;

the United Kingdom Research and Innovation's (UKRI) Biotechnology and Biological Sciences Research Council (BBSRC) AI in Bioscience Grant BB/Y513969/1

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: 20260829T183524+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 [PRECISE-TBI](#) .

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.