

Resource Summary Report

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

RootTrace

RRID:SCR_015585

Type: Tool

Proper Citation

RootTrace (RRID:SCR_015585)

Resource Information

URL: <https://www.cpib.ac.uk/tools-resources/software/roottrace/>

Proper Citation: RootTrace (RRID:SCR_015585)

Description: Software tool which allows the automatic and high throughput measure of root length, as well as extra associated measures such as curvature. The user must supply start points for each root, and exemplar patches of nearby background. The software will then trace the main root to the tip, in every image in a timeseries, and record the results.

Resource Type: data analysis software, data processing software, software application, software resource

Keywords: root length, root measurement, plant root, root bioinformatics

Availability: Available for download

Resource Name: RootTrace

Resource ID: SCR_015585

License: BSD License

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260912T195828+0000

Ratings and Alerts

No rating or validation information has been found for RootTrace.

No alerts have been found for RootTrace.

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 [Kravitz](#) .

Branco R, et al. (2019) Systemic signalling through translationally controlled tumour protein controls lateral root formation in Arabidopsis. Journal of experimental botany, 70(15), 3927.

Vaseva II, et al. (2018) The plant hormone ethylene restricts Arabidopsis growth via the epidermis. Proceedings of the National Academy of Sciences of the United States of America, 115(17), E4130.

Pound MP, et al. (2017) Deep machine learning provides state-of-the-art performance in image-based plant phenotyping. GigaScience, 6(10), 1.