Resource Summary Report

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University of Nottingham NASC Nottingham Arabidopsis Stock Centre Core Facility

RRID:SCR_019284
Type: Tool

Proper Citation

University of Nottingham NASC Nottingham Arabidopsis Stock Centre Core Facility (RRID:SCR_019284)

Resource Information

URL: http://arabidopsis.info

Proper Citation: University of Nottingham NASC Nottingham Arabidopsis Stock Centre Core Facility (RRID:SCR_019284)

Description: National and international arabidopsis germplasm resource.Stores over million genotypes in physical stocks servicing worldwide Arabidopsis community in more than 50 countries. Stocks are provided under identical cost recovery conditions to academic and commercial researchers. Non-transgenic stocks are sent gratis to K-17 institutions and in special cases. Provides seed and information resources to International Arabidopsis Genome Programme and research community. Maintains accessions of Arabidopsis thaliana (and small number of other related species), including Characterized lines, Mapping populations, and Insertion lines. You may browse or search catalog.

Abbreviations: NASC

Synonyms: European Arabidopsis Stock Centre, uNASC, Nottingham Arabidopsis Stock Centre, University of Nottingham NASC-Nottingham Arabidopsis Stock Centre, NASC code, NASC-Nottingham Arabidopsis Stock Centre

Resource Type: core facility, access service resource, service resource

Defining Citation: PMID:31245752

Keywords: USEDit, arabidopsis germplasm, physical stocks, Arabidopsis community, ABRF, ABRF

Funding:

Availability: open

Resource Name: University of Nottingham NASC Nottingham Arabidopsis Stock Centre Core Facility

Resource ID: SCR_019284

Alternate IDs: ABRF_1119, SCR_004576, nlx_56885

Alternate URLs: https://coremarketplace.org/?FacilityID=1119

Record Creation Time: 20220129T080344+0000

Record Last Update: 20250411T060147+0000

Ratings and Alerts

No rating or validation information has been found for University of Nottingham NASC Nottingham Arabidopsis Stock Centre Core Facility.

No alerts have been found for University of Nottingham NASC Nottingham Arabidopsis Stock Centre Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 589 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Collombat J, et al. (2025) Arabidopsis conditional photosynthesis mutants abc1k1 and var2 accumulate partially processed thylakoid preproteins and are defective in chloroplast biogenesis. Communications biology, 8(1), 111.

Valmonte-Cortes GR, et al. (2025) Arabidopsis Calcium Dependent Protein Kinase 3, and Its Orthologues OsCPK1, OsCPK15, and AcCPK16, Are Involved in Biotic and Abiotic Stresses. Plants (Basel, Switzerland), 14(2).

Köster P, et al. (2025) A bi-kinase module sensitizes and potentiates plant immune signaling. Science advances, 11(4), eadt9804.

Subrahmaniam HJ, et al. (2025) Natural variation in root exudate composition in the genetically structured Arabidopsis thaliana in the Iberian Peninsula. The New phytologist, 245(4), 1437.

García-Hernández S, et al. (2025) Functional and Structural Analysis Reveals Distinct Biological Roles of Plant Synaptotagmins in Response to Environmental Stress. Plant, cell & environment, 48(1), 260.

Zheng S, et al. (2025) Pupylation-based proximity labeling reveals regulatory factors in cellulose biosynthesis in Arabidopsis. Nature communications, 16(1), 872.

Perrella G, et al. (2024) Histone Deacetylase Complex 1 and histone 1 epigenetically moderate stress responsiveness of Arabidopsis thaliana seedlings. The New phytologist, 241(1), 166.

Zhang L, et al. (2024) Thylakoid protein FPB1 synergistically cooperates with PAM68 to promote CP47 biogenesis and Photosystem II assembly. Nature communications, 15(1), 3122.

Chen F, et al. (2024) Mandelonitrile lyase MDL2-mediated regulation of seed amygdalin and oil accumulation of Prunus Sibirica. BMC plant biology, 24(1), 590.

Huang P, et al. (2024) Genome-wide association analysis reveals genes controlling an antagonistic effect of biotic and osmotic stress on Arabidopsis thaliana growth. Molecular plant pathology, 25(3), e13436.

Funck D, et al. (2024) Guanidine production by plant homoarginine-6-hydroxylases. eLife, 12.

Diao Z, et al. (2024) Functional screening of the Arabidopsis 2C protein phosphatases family identifies PP2C15 as a negative regulator of plant immunity by targeting BRI1-associated receptor kinase 1. Molecular plant pathology, 25(4), e13447.

Egeland EV, et al. (2024) The SRC-family serves as a therapeutic target in triple negative breast cancer with acquired resistance to chemotherapy. British journal of cancer, 131(10), 1656.

Brünje A, et al. (2024) The Plastidial Protein Acetyltransferase GNAT1 Forms a Complex With GNAT2, yet Their Interaction Is Dispensable for State Transitions. Molecular & cellular proteomics : MCP, 23(11), 100850.

Turquand M, et al. (2024) The conserved active site aspartate residue is required for the function of the chloroplast atypical kinase ABC1K1. Frontiers in plant science, 15, 1491719.

Gao YQ, et al. (2024) Chloride, glutathiones, and insect-derived elicitors introduced into the xylem trigger electrical signaling. Plant physiology, 194(2), 1091.

Garcia-Molina A, et al. (2024) Systemic analysis of metabolome reconfiguration in

Arabidopsis after abiotic stressors uncovers metabolites that modulate defense against pathogens. Plant communications, 5(1), 100645.

Naake T, et al. (2024) Genome-wide association studies identify loci controlling specialized seed metabolites in Arabidopsis. Plant physiology, 194(3), 1705.

Wang C, et al. (2024) Temperature-sensitive splicing defects in Arabidopsis mitochondria caused by mutations in the ROOT PRIMORDIUM DEFECTIVE 1 gene. Nucleic acids research, 52(8), 4575.

Evans KV, et al. (2024) Expression of the Arabidopsis redox-related LEA protein, SAG21 is regulated by ERF, NAC and WRKY transcription factors. Scientific reports, 14(1), 7756.