Resource Summary Report

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GABI-KAT

RRID:SCR_012751
Type: Tool

Proper Citation

GABI-KAT (RRID:SCR_012751)

Resource Information

URL: http://www.GABI-Kat.de

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Description: GABI-Kat is a database of flanking sequence tags (FSTs) from T-DNA mutagenised A. thaliana plants. Over time, an increasing number of lines will become available from NASC. The "show sequence" page of SimpleSearch will display if a GABI-Kat line for a given FST has already been donated to NASC. Lines that have so far not been regrown and confirmed are only available from GABI-Kat directly. We have used four vectors: pAC106 (GenBank:AJ537513), pAC161 (GenBank:AJ537514), pGABI1 (GenBank:AY529716) and pADIS1 (GenBank:AY529717). Sequence and overview map data of all vectors are available from the download page. Features of interest which are not included in the map should be deduced from the sequence. For a specified line, the vector is displayed in the "Show Sequence" page of SimpleSearch.

Synonyms: GABI-KAT

Resource Type: database, data or information resource

Keywords: a. thaliana, a. thaliana genome, mutagen, plant genome, FASEB list

Funding:

Resource Name: GABI-KAT

Resource ID: SCR_012751

Alternate IDs: nif-0000-02865

Record Creation Time: 20220129T080312+0000

Record Last Update: 20250430T055834+0000

Ratings and Alerts

No rating or validation information has been found for GABI-KAT.

No alerts have been found for GABI-KAT.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 52 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Lemke MD, et al. (2024) Investigating the mechanism of chloroplast singlet oxygen signaling in the Arabidopsis thaliana accelerated cell death 2 mutant. Plant signaling & behavior, 19(1), 2347783.

Delplace F, et al. (2024) The receptor MIK2 interacts with the kinase RKS1 to control quantitative disease resistance to Xanthomonas campestris. Plant physiology, 197(1).

Li N, et al. (2024) Overexpression of vacuolar H+-pyrophosphatase from a recretohalophyte Reaumuria trigyna enhances vegetative growth and salt tolerance in transgenic Arabidopsis thaliana. Frontiers in plant science, 15, 1435799.

Islam MM, et al. (2024) Involvement of Peptidoglycan Receptor Proteins in Mediating the Growth-Promoting Effects of Bacillus pumilus TUAT1 in Arabidopsis thaliana. Plant & cell physiology, 65(5), 748.

Cho Y, et al. (2024) Arabidopsis AGB1 participates in salinity response through bZIP17-mediated unfolded protein response. BMC plant biology, 24(1), 586.

Yu Y, et al. (2023) Arabidopsis thaliana: a powerful model organism to explore histone modifications and their upstream regulations. Epigenetics, 18(1), 2211362.

Traeger J, et al. (2023) Super-Resolution Imaging of Plant Receptor-Like Kinases Uncovers Their Colocalization and Coordination with Nanometer Resolution. Membranes, 13(2).

von Bismarck T, et al. (2023) Growth in fluctuating light buffers plants against photorespiratory perturbations. Nature communications, 14(1), 7052.

Luengwilai K, et al. (2022) Ectopic Expression of Arabidopsis thaliana zDof1.3 in Tomato (Solanum lycopersicum L.) Is Associated with Improved Greenhouse Productivity and Enhanced Carbon and Nitrogen Use. International journal of molecular sciences, 23(19).

Ito T, et al. (2022) Glutathione degradation activity of ?-glutamyl peptidase 1 manifests its dual roles in primary and secondary sulfur metabolism in Arabidopsis. The Plant journal : for cell and molecular biology, 111(6), 1626.

Lang L, et al. (2021) The DREAM complex represses growth in response to DNA damage in Arabidopsis. Life science alliance, 4(12).

Zhang Y, et al. (2021) ABA homeostasis and long-distance translocation are redundantly regulated by ABCG ABA importers. Science advances, 7(43), eabf6069.

Ambastha V, et al. (2021) RabA2b Overexpression Alters the Plasma-Membrane Proteome and Improves Drought Tolerance in Arabidopsis. Frontiers in plant science, 12, 738694.

Serrazina S, et al. (2021) Expression of Castanea crenata Allene Oxide Synthase in Arabidopsis Improves the Defense to Phytophthora cinnamomi. Frontiers in plant science, 12, 628697.

Perry N, et al. (2021) RUS6, a DUF647-containing protein, is essential for early embryonic development in Arabidopsis thaliana. BMC plant biology, 21(1), 232.

Kamiyama Y, et al. (2021) Arabidopsis group C Raf-like protein kinases negatively regulate abscisic acid signaling and are direct substrates of SnRK2. Proceedings of the National Academy of Sciences of the United States of America, 118(30).

Mahesh S, et al. (2021) Functional analysis of a conserved domain in SWITCH1 reveals a role in commitment to female meiocyte differentiation in Arabidopsis. Biochemical and biophysical research communications, 551, 121.

Hsu PJ, et al. (2021) The nucleolar protein SAHY1 is involved in pre-rRNA processing and normal plant growth. Plant physiology, 185(3), 1039.

Bailey M, et al. (2021) The Arabidopsis NOT4A E3 ligase promotes PGR3 expression and regulates chloroplast translation. Nature communications, 12(1), 251.

Liu S, et al. (2021) The ARRE RING-Type E3 Ubiquitin Ligase Negatively Regulates Cuticular Wax Biosynthesis in Arabidopsis thaliana by Controlling ECERIFERUM1 and ECERIFERUM3 Protein Levels. Frontiers in plant science, 12, 752309.