TAIR

RRID:SCR_004618
Type: Tool

Proper Citation

TAIR (RRID:SCR_004618)

Resource Information

URL: http://www.arabidopsis.org

Proper Citation: TAIR (RRID:SCR_004618)

Description: Database of genetic and molecular biology data for the model higher plant Arabidopsis thaliana. Data available includes the complete genome sequence along with gene structure, gene product information, metabolism, gene expression, DNA and seed stocks, genome maps, genetic and physical markers, publications, and information about the Arabidopsis research community. Gene product function data is updated every two weeks from the latest published research literature and community data submissions. Gene structures are updated 1-2 times per year using computational and manual methods as well as community submissions of new and updated genes. TAIR also provides extensive linkouts from data pages to other Arabidopsis resources. The data can be searched, viewed and analyzed. Datasets can also be downloaded. Pages on news, job postings, conference announcements, Arabidopsis lab protocols, and useful links are provided.

Abbreviations: TAIR, AGI LocusCode


Resource Type: storage service resource, database, analysis service resource, service resource, data repository, data or information resource, production service resource, data analysis service

Defining Citation: PMID:22140109, PMID:17986450, PMID:12444417, PMID:12519987, PMID:18287693

Keywords: genetic, molecular biology, gene, genome, structure, product, metabolism, gene expression, dna, seed stock, genome map, genetic marker, physical marker, genome
sequence, gene product, blast, experimental protocol, gold standard

**Funding Agency:** NSF, corporate and nonprofit organizations

**Availability:** GNU Lesser General Public License, (source code), Acknowledgement required, The community can contribute to this resource, Non-commercial, Account required, (To access some portions of the service), Paid subscription, (To access some portions of the service)

**Resource Name:** TAIR

**Resource ID:** SCR_004618

**Alternate IDs:** nlx_61477, OMICS_01662

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**Ratings and Alerts**

No rating or validation information has been found for TAIR.

No alerts have been found for TAIR.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 6201 mentions in open access literature.

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

Bos PR, et al. (2023) Spectral diversity of photosystem I from flowering plants. Photosynthesis research, 155(1), 35.


Zhang M, et al. (2023) Genome-Wide Identification and Expression Analysis of NPF Genes in Cucumber (Cucumis sativus L.). Plants (Basel, Switzerland), 12(6).

Montez M, et al. (2023) Promoter-pervasive transcription causes RNA polymerase II pausing to boost DOG1 expression in response to salt. The EMBO journal, 42(5), e112443.
Zhang L, et al. (2023) GWAS of grain color and tannin content in Chinese sorghum based on whole-genome sequencing. TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik, 136(4), 77.


Johnson AR, et al. (2023) Chromosome-level Genome Assembly of Euphorbia peplus, a Model System for Plant Latex, Reveals that Relative Lack of Ty3 Transposons Contributed to Its Small Genome Size. Genome biology and evolution, 15(3).


Schroeder H, et al. (2023) A Small Set of Nuclear Markers for Reliable Differentiation of the Two Closely Related Oak Species Quercus Robur and Q. Petraea. Plants (Basel, Switzerland), 12(3).


Galibina NA, et al. (2023) Identification and Expression Profile of CLE41/44-PXY-WOX Genes in Adult Trees Pinus sylvestris L. Trunk Tissues during Cambial Activity. Plants