General Arabidopsis Database Resouces

These resources provide integrated data about the Arabidopsis Genome.

- Araport —

Resource Link	Araport
Description	Portal to access Arabidopsis thaliana gene and genome annotation via JBrowse genome browser and ThaleMine (Intermine) database to search/browse and download data.
Maintained by	JCVI

  - general
  - gene_annotation

- Bio-Analytic Resource for Plant Biology (BAR) —

Resource Link	Bio-Analytic Resource for Plant Biology (BAR)
	
Description	ePlant tool allows for exploration of Arabidopsis data sets from the kilometre to nanometre scales. eFP Browser provides "gene expression anatograms" for depicting where and when a gene is expressed. Arabidopsis Interactions Viewer taps into the BAR's database of more than 100k protein-protein interactions and 2.8M protein-DNA interactions. Tools for exploring other plant data available too!
Maintained by	Provart Laboratory at the University of Toronto

  - general
  - gene_expression

- Ensembl Plants —

Resource Link	Ensembl Plants
Description	Great resource for processed RNA-seq data, precomputed gene trees across the species curated by Gramene, as an access point to Plant Reactome and other features.
Maintained by	EBI-EMBL

  - general
  - comparative_genomics

- Gramene —

Resource Link	Gramene
Description	Gramene is a curated, open-source, integrated data resource for comparative functional genomics in crops and model plant species.
Maintained by	Cold Spring Harbor Laboratory , Oregon State University , and EMBL-EBI .

  - general
  - comparative_genomics

- The Arabidopsis Book —

Resource Link	The Arabidopsis Book

Description	Freely accessible, peer reviewed articles about everything Arabidopsis. Written by experts and wide ranging in coverage, it is the definitive guide.
Maintained by	American Society for Plant Biology (ASPB)

- education_outreach
- general

- The Arabidopsis Information Resource (TAIR) —

Resource Link	The Arabidopsis Information Resource (TAIR)
	
Description	An online community resource and database of genetic and molecular biology data for the model higher plant Arabidopsis thaliana. TAIR integrates information about the Arabidopsis genome, genes, gene products, natural variants, mutant alleles and plant phenotypes and research literature.
Maintained by	Phoenix Bioinformatics

- genomics
- general
- data_submission
- arabidopsis
- gene_annotation

- UniProt —

Resource Link	UniProt
Description	Curated protein database containing Arabidopsis reference proteome data as well as many other reference genomes.
Maintained by	UniProt Consortium

- general