

# General Arabidopsis Database Resources

These resources provide integrated data about the Arabidopsis Genome.

- [Araport](#) —

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| <b>Resource Link</b> | <a href="#">Araport</a>                                                                                                                                            |
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| <b>Description</b>   | Portal to access Arabidopsis thaliana gene and genome annotation via JBrowse genome browser and ThaleMine (Intermine) database to search/browse and download data. |
| <b>Maintained by</b> | <a href="#">JCVI</a>                                                                                                                                               |

- [general](#)
- [gene\\_annotation](#)

- [Bio-Analytic Resource for Plant Biology \(BAR\)](#) —

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| <b>Resource Link</b> | <a href="#">Bio-Analytic Resource for Plant Biology (BAR)</a>                                                                                                                                                                                                                                                                                                                                              |
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| <b>Description</b>   | 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! |
| <b>Maintained by</b> | <a href="#">Provart Laboratory</a> at the University of Toronto                                                                                                                                                                                                                                                                                                                                            |

- [general](#)
- [gene\\_expression](#)

- [Ensembl Plants](#) —

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| <b>Resource Link</b> | <a href="#">Ensembl Plants</a>                                                                                                                                    |
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| <b>Description</b>   | 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. |
| <b>Maintained by</b> | EBI-EMBL                                                                                                                                                          |

- [general](#)
- [comparative\\_genomics](#)

- [Gramene](#) —

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

- [general](#)
- [comparative\\_genomics](#)

- [The Arabidopsis Book](#) —

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| <b>Resource Link</b> | <a href="#">The Arabidopsis Book</a> |
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| <b>Description</b>   | Freely accessible, peer reviewed articles about everything Arabidopsis. Written by experts and wide ranging in coverage, it is the definitive guide. |
| <b>Maintained by</b> | American Society for Plant Biology (ASPB)                                                                                                            |

- [education\\_outreach](#)
- [general](#)

• [The Arabidopsis Information Resource \(TAIR\)](#) —

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| <b>Resource Link</b> | <a href="#">The Arabidopsis Information Resource (TAIR)</a>                                                                                                                                                                                                                                     |
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| <b>Description</b>   | 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. |
| <b>Maintained by</b> | Phoenix Bioinformatics                                                                                                                                                                                                                                                                          |

- [genomics](#)
- [general](#)
- [data\\_submission](#)
- [arabidopsis](#)
- [gene\\_annotation](#)

• [UniProt](#) —

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| <b>Resource Link</b> | <a href="#">UniProt</a>                                                                                          |
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| <b>Description</b>   | Curated protein database containing Arabidopsis reference proteome data as well as many other reference genomes. |
| <b>Maintained by</b> | UniProt Consortium                                                                                               |

- [general](#)