



Learn to use Bioinformatics Resources



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Efficient use of publicly available tools to access biological data
encourages faster and more effective research



Introduction
to:

PlantGDB

Online Tutorial
Suite

Learn to use [PlantGDB](#), the primary resource for plant comparative genomics. PlantGDB contains transcript assemblies for over 100 plant species. For those species with sequenced genomes PlantGDB provides tools which allow for easy viewing and

evaluation of transcript and protein alignments. PlantGDB also contains tools useful in identifying and comparing sequences across many plant species quickly and efficiently.

You will learn:

- to perform quick searches and navigate sequence pages
- to conduct BLAST searches across several plant species of your choice
- to create exon/intron gene predictions and sequence alignments
- to construct tables displaying highly varied information from many datasets

TUTORIAL RELATED CONTENT

TUTORIALS

This tutorial is a part of the tutorial group **Plant resources**. You might find the other tutorials in the group interesting:

[Ensembl](#): Ensembl Genome Browser

[TAIR](#): The Arabidopsis Information Resource

[GBrowse](#): GBrowse User Introductory Tutorial

[Ensembl Legacy](#): Older version of Ensembl Genome Browser

[Gramene](#): A resource on rice and other grass genomes

[World Tour of Genomics Resources](#): A World Tour of Genome Resources for finding and learning the right resource for your needs.

CATEGORIES

[Genome Databases \(euk\)](#) : Genomic databases or repositories primarily aimed at eukaryotic organisms. Some may contain prokaryotic data as well.

BLOG POSTS

[Happy Memorial Day \(and gardening\) to you this weekend!](#):

Summer is rapidly approaching and I'm so looking forward to a nice long Memorial Day weekend with outdoor cookouts and plenty of time for gardening. Those of us New Englanders that have endured a long...

[New Online Tutorials on ZFIN, SGD, PlantGDB and GBrowse Resources](#):

Comprehensive tutorials on the model organism databases ZFIN, SGD and PlantGDB and GBrowse, a model organism genome browser, enable researchers to quickly and effectively use these invaluable resources...

Recent [BioMed Central](#) research articles citing this resource

Ochoa Cruz Andres Edgar *et al.*, Virus-like attachment sites as structural landmarks of plants retrotransposons. *Mobile DNA (2016)*

[doi:10.1186/s13100-016-0069-5](#)

Guizard S *et al.*, Deep landscape update of dispersed and tandem repeats in the genome model of the red jungle fowl, Gallus gallus, using a series of de novo investigating tools Non-human and non-rodent vertebrate genomics. *BMC Genomics (2016)*

[doi:10.1186/s12864-016-3015-5](#)

Jiang Yue *et al.*, Metatranscriptomic analysis of diverse microbial communities reveals core metabolic pathways and microbiome-specific functionality. *Microbiome (2016)*

[doi:10.1186/s40168-015-0146-x](#)

Merino Irene *et al.*, Transcript profiling for early stages during embryo development in Scots pine Development and cell biology. *BMC Plant Biology (2016)*

[doi:10.1186/s12870-016-0939-5](#)

Bedre Renesh *et al.*, Transcriptome analysis of smooth cordgrass (Spartina alterniflora Loisel), a monocot halophyte, reveals candidate genes involved in its adaptation to salinity Plant genomics. *BMC Genomics (2016)*

[doi:10.1186/s12864-016-3017-3](#)

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