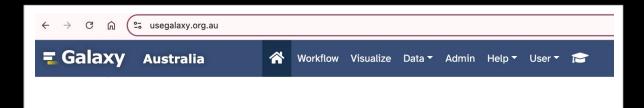
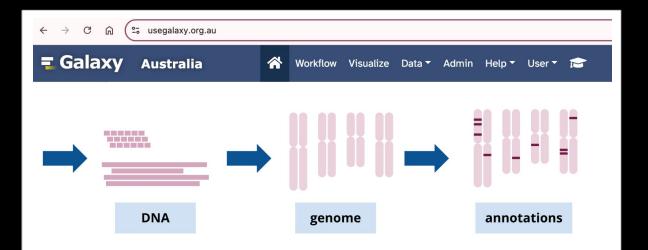
# Galaxy tutorials: overview

Fungi Bioinformatics Workshop, Canberra, October 2024

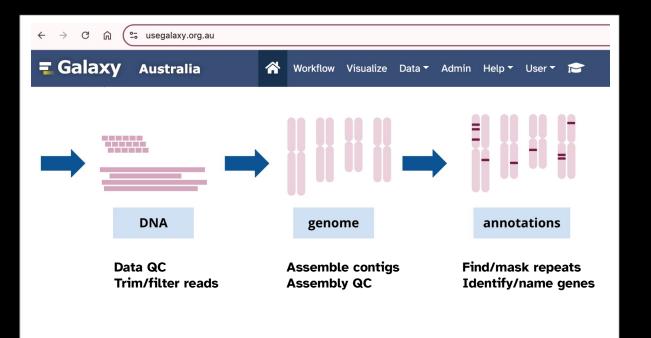




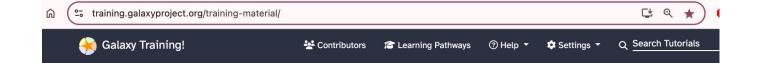




sample



sample



### Welcome to Galaxy Training!

Collection of tutorials developed and maintained by the worldwide Galaxy community

#### **Galaxy for Scientists**

We have separated the tutorials into several categories based on field and technology. We are exploring other ways to organise the tutorials going forward!

#### Start Here

Торіс	Tutorials
Introduction to Galaxy Analyses	13

#### Quickstart

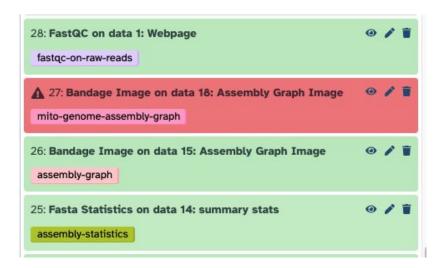


## Galaxy tutorials

- Using material from the Galaxy Training Network
  - A global set of tutorials for using Galaxy: <a href="https://training.galaxyproject.org/">https://training.galaxyproject.org/</a>
  - We will use some of these tutorials
  - Some tutorial sections will be skipped for time
- Will cover main tools and concepts that are presented in the theory sections
  - We will provide links to other relevant tutorials
- Will be relevant for real analysis
  - Tutorials use smaller sets of test data so they run in time
  - The same workflows and tools should work on real-sized (large) data sets
  - We have tested on some real fungi data and will provide some links

## Bugs, fails and troubleshooting

- Part of bioinformatics to be expected at times
- Will show how to investigate or report bugs





## Main topics covered in tutorials



How to use Galaxy

Find and use tools, analyse data and view results



Genomic data QC

Check quality of sequencing reads, trim and filter reads



Genome assembly

Join reads to create contigs



Genome annotation

○ Identify and name features → annotated genome for further analyses

## Tutorial: A short introduction to Galaxy

- Open Galaxy Australia, register, log in
- Join TIaaS by clicking on the link
- Open tutorial: <a href="https://gxy.io/GTN:T00190">https://gxy.io/GTN:T00190</a>

