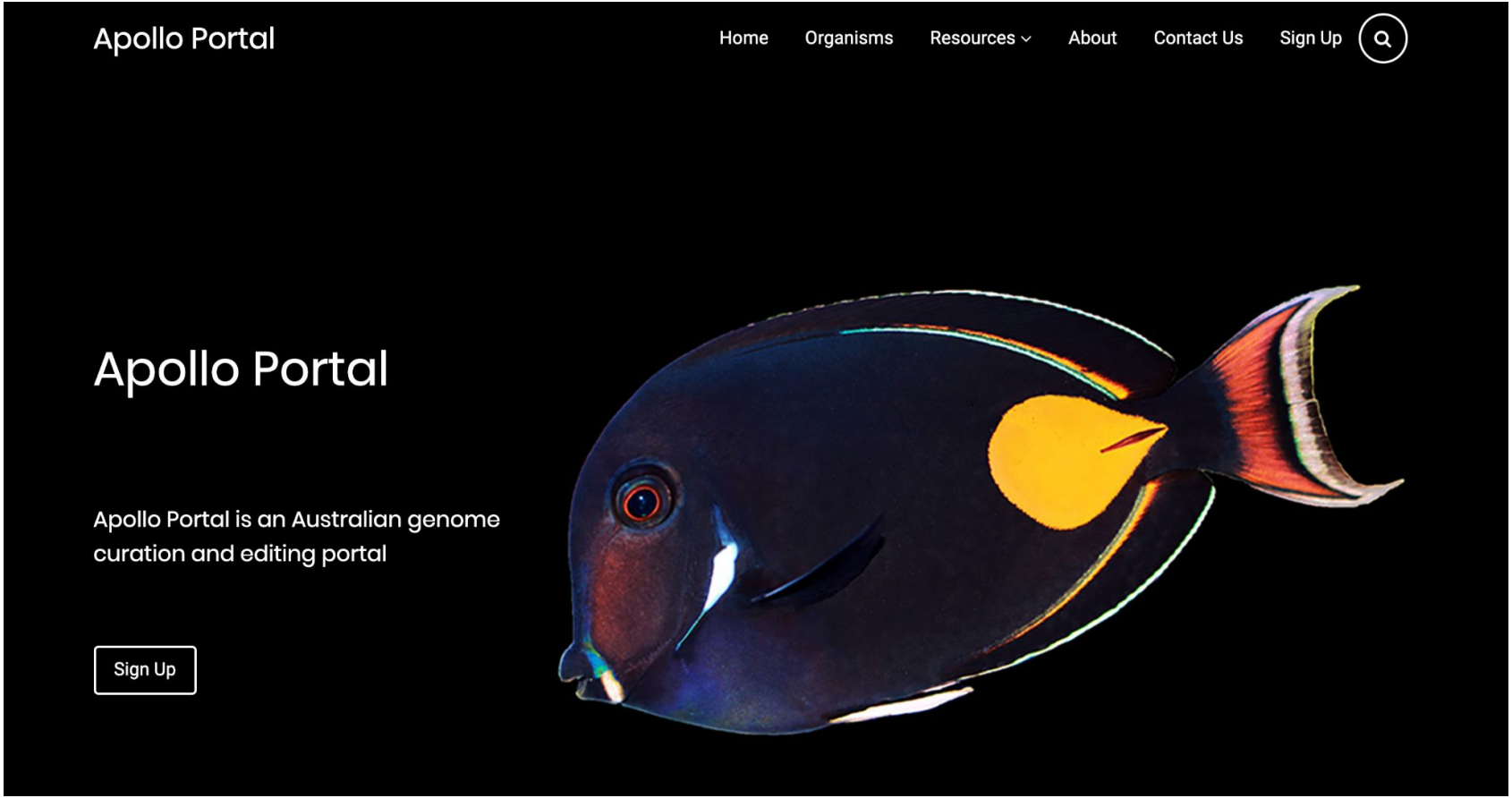
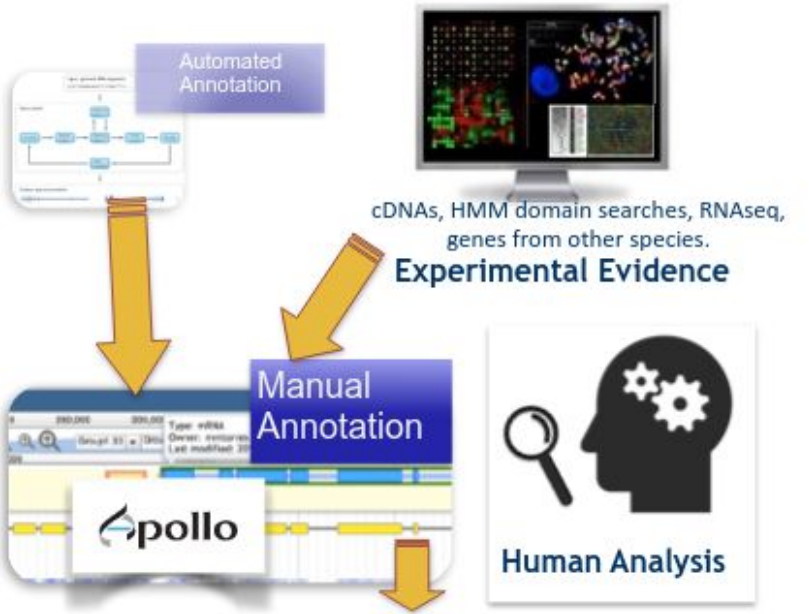


Australian BioCommons

So what is Apollo?



Lewis S, Searle S, Harris N et al. (2002)
Apollo: a sequence annotation editor. Genome Biology 3, research0082.1.
https://doi.org/10.1186/gb-2002-3-12-research0082

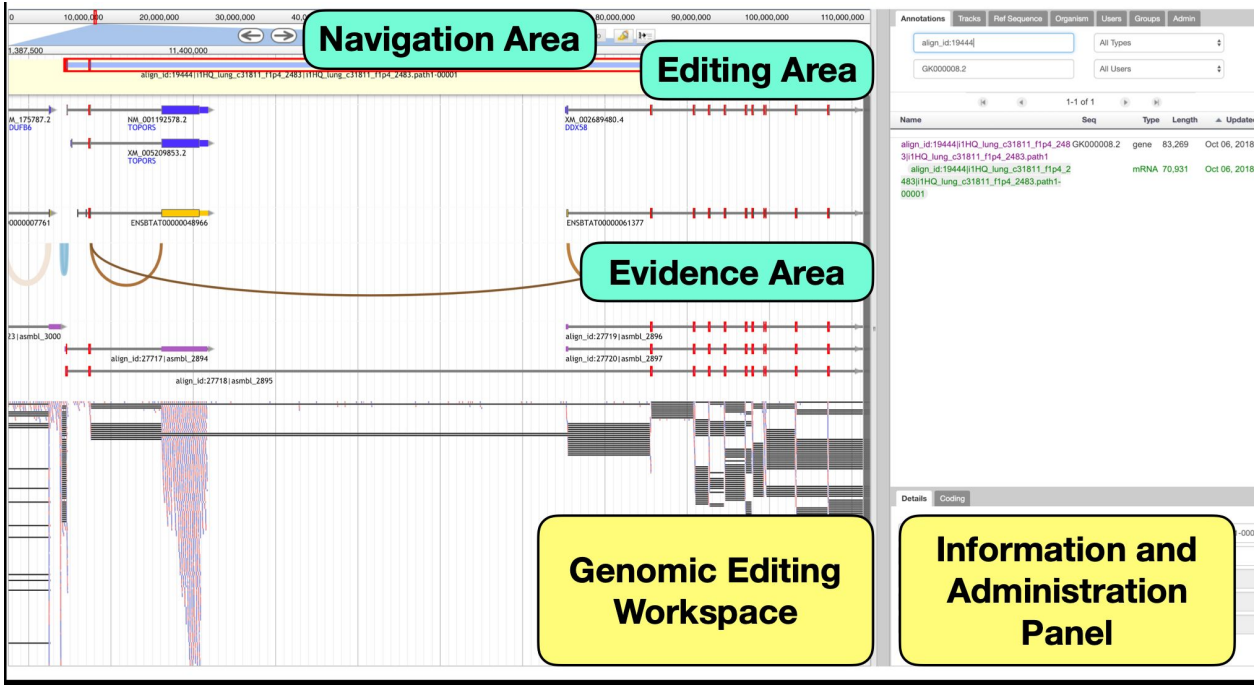
Dunn NA, Unni DR, Diesh C, Munoz-Torres M, Harris NL, et al. (2019)
Apollo: Democratizing genome annotation. PLOS Computational Biology 15(2): e1006790.
https://doi.org/10.1371/journal.pcbi.1006790

Image:
https://training.galaxyproject.org/training-material/topics/genome-annotation/tutorials/apollo/slides-plain.html

The Apollo Software

A

B



The Apollo Software has two main panels: A genome Editing Workspace (A) and a configurable Administration Panel (B).

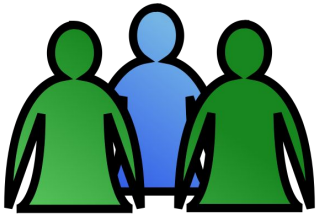
Ref: https://doi.org/10.1371/journal.pcbi.1006790

Australian BioCommons

High priorities identified in community consultations

I need a hosted system that I can use quickly after registering so that I won't waste time in setting it up myself

I need a genome browser-based system where I can upload and view supporting data alongside the annotations



I need a web-based system to manually correct genome annotations that allows me to share and compare with colleagues

Australian BioCommons

Australian
BioCommons

Apollo Portal

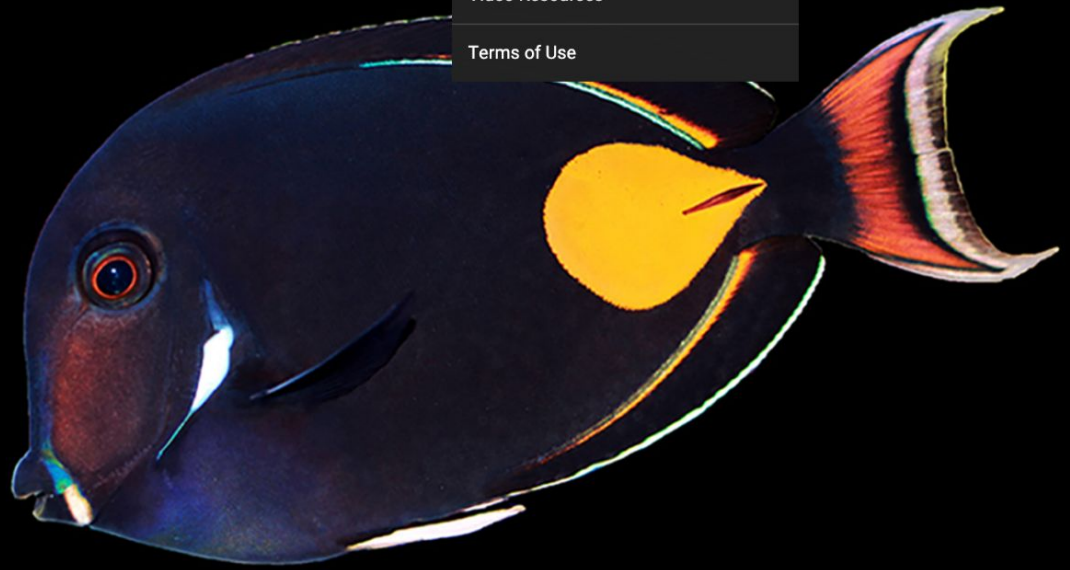
Home Organisms Resources About Contact Us Sign Up

- Getting Started
- User Documentation
- Training, Tutorials & Other Resources
- FAQs
- Video Resources
- Terms of Use

Apollo Portal

Apollo Portal is an Australian genome curation and editing portal

Sign Up



Australian BioCommons

Apollo Portal

Home Organisms Resources About Contact Us Sign Up

User Documentation

This document provides guidance and information about:

1. How Do I Sign Up for an Apollo Instance?
2. What Data Files Are Required To Create Genome Tracks In Apollo?
3. How Do I Prepare My Data Prior to Upload?
4. How Do I Generate a Public-Key?
5. How Do I Upload Data and Create a Genome Track via the Command Line?
6. How Do I Upload Data and Create a Genome Track via the Apollo (browser) Interface
7. How Do I Make My Genome Public?
8. How Do I Manually Annotate My Genome In Apollo?

Apollo Portal

Home Organisms Resources

FAQs

What is the Apollo Service?

The Apollo software package is a web-based tool for visualising genomic contents and manually improving gene p
a reference genome collaboratively. The Apollo Service provides Australian-based researchers with customised, lo
their genome projects.

- How can I get an Apollo Instance?
- Can I trial Apollo before signing up?
- I am a non-Australian-based researcher, can I access the Apollo Service?
- Can Apollo automatically annotate my genome?
- How can I get training to use Apollo?

Australian BioCommons

Sign Up

Eligibility Criteria

Please note that the Principal Investigator must be affiliated with a recognised Australian academic or research institute. All form elements marked with a * must be filled out. If you have any queries about this form or the questions therein, please contact support at apollo-support@genome.edu.au.

☐ I confirm the Principal Investigator belongs to a recognised Australian institute. *

Research Group/Lab or Consortium name (NB: the names of all Research Labs/Consortia using this service are listed on this page) *

Website link to Research Group/Lab or Consortium

Suggested Apollo Host Name *

Available Organism Genome Browsers

Below is a selection of genome projects that are using the Australian Apollo Service. Click on a link to find out more about the research group performing the organism genome annotation project and to access Apollo to view publicly available genome browsers. Publicly available genome browsers do not require a login. For non-public genomes, an account login is required which may be granted by getting in touch with the research group.

If you are an Australian-based researcher and have a genome annotation project you would like to showcase here, please email us the details at apollo-support@genome.edu.au.

Search

Scientific Name	Research Group	Public Genome Tracks
Blue-ringed octopus (Hapalochlaena maculosa)	Marine Molecular Biology Group, JCU	Public track
Branching stony coral (Acropora millepora)	Marine Molecular Biology Group, JCU	Public track
Branching stony coral (Acropora tenuis)	Marine Molecular Biology Group, JCU	Public track
Brassica rapa subsp. trilocularis R-o-18	Multinational Brassica Genome Project pan-genome annotation	Public track
Common wheat (Triticum aestivum)	International Wheat Genome Sequencing Consortium	No public tracks
Escherichia coli K-12 (MG1655)	Apollo Team	Public track
Invasive species	Australian Invasive Species and Pest Genome Partnership	No public tracks

Funding and Operational Partners

Australian Research Data Commons

Learn more …

WORKSHOP: Refining genome annotations with Apollo

17 November 2021

biocommons.org.au/events/apollo-2021

Australian BioCommons