

CPT Annotation Infrastructure

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Galaxy

Summar

0&A

#### **CPT** Annotation Infrastructure

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### Data Analysis for Genome Annotation

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Data Analysis

Apollo

Summar

0&A

- Sequencing Data
- Assembly to Contigs
- Structural Prediction
- Functional Prediction
- Publishing



## Galaxy for Reproducible Genomics

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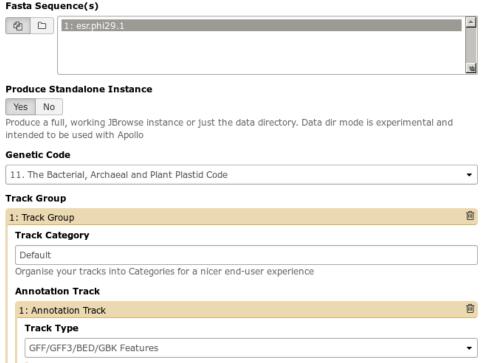
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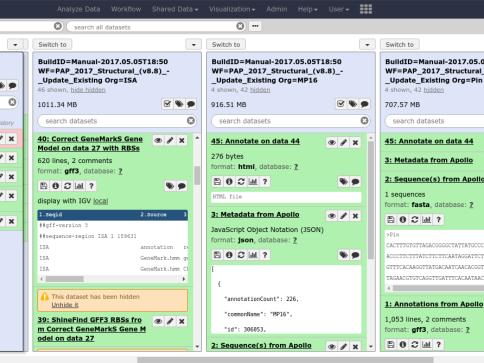
Galaxy Apollo

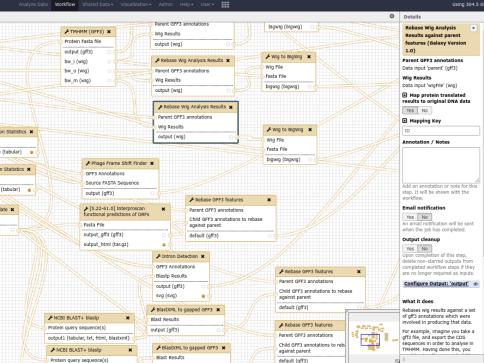
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O&A

- Standard interface to huge variety of tools
- "Histories" (audit logs) for later reference
- Workflows for sharing complex, multi-step analyses
- Collaboration between developers and end users









## Apollo for Interactive Annotation

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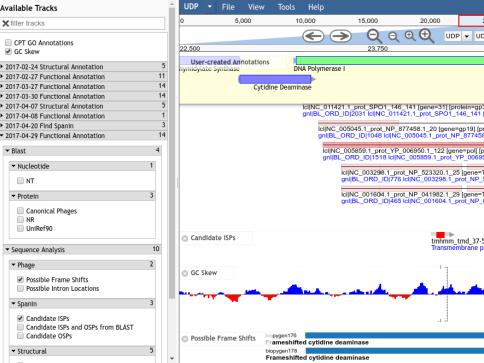
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Data Analys Galaxy Apollo

Apollo

Julillia

- "Google Docs" for genome annotation
- Standard interface to analysis data
- Rapidly evolving service with a bright future





## Phage Genomics with CPT Galaxy & Apollo

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Data Analys Galaxy Apollo

Summary

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- Full-spectrum platform, sequencing to publishing
- Collaboration, genome annotation and analysis
- *Reproducible* science

# Q&A

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Galaxy Apollo

Summar

Q&A

#### Thank you

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