

Enhancing Student Engagement with Online Annotation of Bacteriophage Genomes



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Why Phage Genomics?

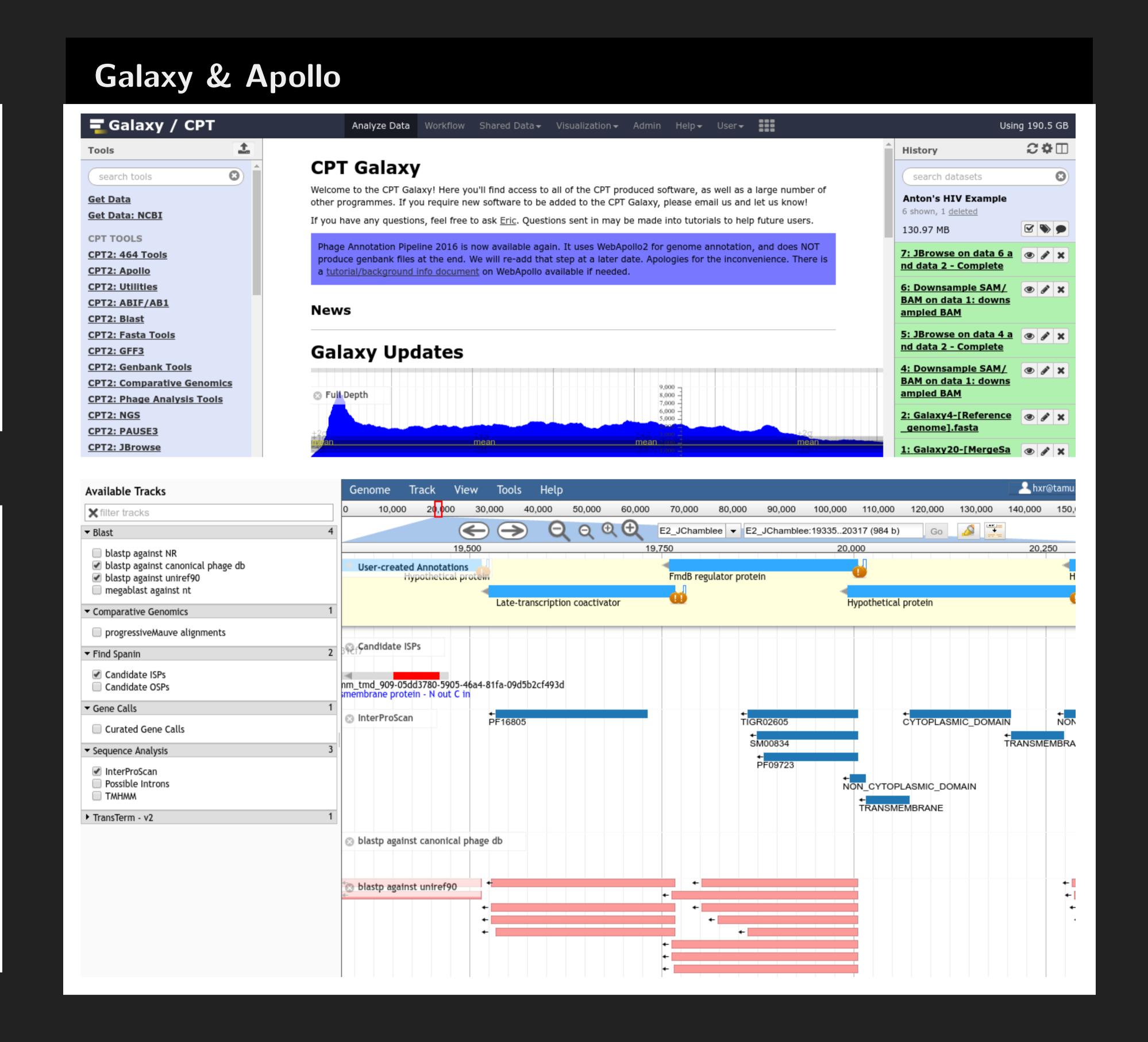
- Whole genome sequencing is more accessible than ever before
- We can sequence and assemble as many phages as are needed for students
- Phages are ideal; small size, high coding density
- Able to be annotated in the span of a single semester

Previous Course Iterations

- Previously, much time was spent manually moving data around
- Students hated the command line!
- Students struggled to correctly copy command line statements, and struggled to understand the relationship between the instructions and their (possibly differently named) files.
- Staff struggled to keep up with changing interfaces and progress of bioinformatics tools
- Completely Unreproducible Annotations

Affiliations

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The future