VISUALIZING BACTERIAL SEQUENCING DATA WITH GENOMEVIEW

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GenomeView - BOSC - ISMB 2013 - tabeel@broadinstitute.org
Take home message

- **Interactive, real-time exploration** of NGS data
- **Rich visualization** of NGS data
- Many other data-types supported
  - Annotations
  - Comparative visualizations, i.e. multiple alignments
- Editor, encryption, authentication
- **Integrate** with existing platforms and data sources
- Configurable and extendable through **plug-ins**
Directional PE RNA-seq
Multiple alignments

Conservation plots

Alignment gap

Gray coded conservation

Reference gap

Multiple alignment sequence logo
Large multiple alignments

http://www.youtube.com/watch?v=iHvHLUNjBkU
http://genomeview.org/screencasts
Projected annotations

- Show gene annotations from aligned genomes
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T: @GenomeView
W: http://genomeview.org