

Apollo Training Materials

Specific Use Cases



New Gene Review.mp4



Deleted Gene Review.mp4

Recorded Sessions

1. Apollo basics (May 26 session): https://us06web.zoom.us/rec/share/AbAWtFP-LUcs1OL1LszoH_WNnJsJkZbKYNW-XN414srWwR9ZUuKII_IAQqiP9NPI.TSd77fNVC0-FfnWx
2. Apollo editing (June 29 session): https://us06web.zoom.us/rec/share/AXQB56B1I3xo8Z6wEYQLvu-60hR5OivsR1yOwpKg1suhv4Yd_rPO7hHbzZeChARR.ol3bv8rmf7CHcf34

Slides

Apollo Basics Training Slides (May 23 and 26, 2023)



Apollo basics t...023 website.pdf

Apollo Editing Training Slides (May 31 and June 1, 2023)



Apollo editing ...023 website.pdf

Tab links

- Apollo
 - <https://apollo-sandbox.arabidopsis.org/apollo/annotator/index>
- Apollo Help Docs (longer, keep link handy):
 - <https://genomearchitect.readthedocs.io/en/latest/UsersGuide.html>
- NCBI Protein BLAST (use Reference proteins refseq_proteins as dataset)
 - https://blast.ncbi.nlm.nih.gov/Blast.cgi?PAGE=Proteins&PROGRAM=blastp&PAGE_TYPE=BlastSearch&BLAST_SPEC=
- JBrowse
 - https://jbrowse.arabidopsis.org/index.html?data=Araport11&loc=Chr4%3A9054219..9058227&tracks=TAIR10_genome%2CA11-GL-Jan23%2CA11-PC-Jan23%2Cpollen_tophat%2Clight_tophat%2Cram_tophat%2Cleaf_tophat%2Cdark_tophat%2Csam_tophat%2Caerial_tophat%2Creceptacle_tophat%2Crooot_tophat%2Cflower12_tophat%2Ccarpel_tophat&highlight=

Reading

- Grapedia materials (how to - general principles apply)
 - <https://integrape.eu/resources/data-management/how-to-manually-curate-genes/>
- Maize materials (how to - general principles apply)



Getting Starte...Guide.docx.pdf

- Apollo: Democratizing genome annotation (software summary and background)
 - <https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1006790>
- Collaborative Annotation Redefines Gene Sets for Crucial Phytopathogens (see: 'Lessons Learnt for Future Collaborative Annotation Projects' section)
 - <https://www.frontiersin.org/articles/10.3389/fmicb.2019.02477/full>
- Application of a bioinformatics training delivery method for reaching dispersed and distant trainees (training background)
 - <https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1008715>
- Double triage to identify poorly annotated genes in maize: The missing link in community curation (community annotation)
 - <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0224086>

Related Videos from Other Training Sessions in Other Organisms

General

Very detailed, lots of examples.

Changing intron/exon boundaries.