

Running PCPipe (protein clustering) in iPlant

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Abstract

Hurwitz, Bonnie L., and Matthew B. Sullivan. "The Pacific Ocean Virome (POV): a marine viral metagenomic dataset and associated protein clusters for quantitative viral ecology." *PLoS One* 8.2 (2013): e57355.

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Protocol

Step 1.

Login to the iPlant (CyVerse) Discover Environment (<https://de.iplantcollaborative.org/de/>).

Step 2.

Select the "Apps" button on the left, then look under "Public Apps -> Experimental -> iMicrobe -> PCPipe."

Step 3.

Choose your directory containing the FASTA files. Choose your 'cluster_file' to use for the first round of clustering. Optionally indicate an output directory. Click the 'Start Analysis' button, and wait for email notification that your analysis has completed.

Step 4.

Look in the output directory for a file containing newly clustered sequences.