

Processing a Viral Metagenome Using iVirus

Benjamin Bolduc

Abstract

A collection of protocols designed to guide the user in processing a viral metagenome from raw sequence data to assembly, and subsequent analysis. The user uses *actual* reads from [Ocean Sampling Day \(2014\)](#) and processes them entirely within Cyverse, a NSF-supported cyberinfrastructure.

Citation: Benjamin Bolduc Processing a Viral Metagenome Using iVirus. **protocols.io**

dx.doi.org/10.17504/protocols.io.ev3be8n

Published: 22 Apr 2016

Collection



1. [Assembling Viral Metagenomic Data with SPAdes \(Cyverse\)](#)

CONTACT: [Benjamin Bolduc](#)

2. [Identifying Viral Sequences Using VirSorter \(Cyverse\)](#)

CONTACT: [Benjamin Bolduc](#)

3. [Preparing Data for vContact from Proteins \(Cyverse\)](#)

CONTACT: [Benjamin Bolduc](#)

4. [Applying vContact to Viral Sequences and Visualizing the Output \(Cyverse\)](#)

CONTACT: [Benjamin Bolduc](#)