End-to-End Metagenomics: decision making

CINEMA Workshop

July 2023

Is there a "standard" pipeline?

SqueezeMeta, A Highly Portable, Fully **Automatic Metagenomic Analysis Pipeline** MetAMOS: a modular and open source



Javier Tamames* and

Fernando Puente-Sánchez

Software Open Access Published: 15 September 2018

MetaWRAP—a flexible pipeline for ge resolved metagenomic data analysis

Microbiome 6, Article number: 158 (2018) | Cite this article

Article Open Access Published: 07 June 2022

Metagenomic pipeline for ide of concern: study cases from tools

Scientific Reports 12, Article number: 9377 (2022)

Music of metagenomics—a review of its infections among distinct SA applications, analysis pipeline, and associated

Bilal Wajid 🖂, Faria Anwar, Imran Wajid, Haseeb Nisar, Sharoze Meraj, Ali Zafar, Mustafa Kamal Al-Shawaqfeh, Ali Riza Ekti, Asia Khatoon & Jan S. Suchodolski

Struo: a pipeline for Functional & Integrative Genomics 22, 3–26 (2022) | Cite this article metagenome profilers 🕮

Jacobo de la Cuesta-Zuluaga, Ruth E Ley, Nicholas D Youngblut ₩

Microseek: A Protein-Based Metagenomic Pipeline for Virus Diagnostic and Discovery

by Philippe Pérot 1,† , Philip

Ocean viruses: Rigorously evaluating the metagenomic sample-to-sequence pipeline

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Todd J Treangen, Sergey Koren, Daniel D Sommer, Bo Liu, Irina Astrovskaya, Brian Ondov,

Aaron E Darling, Adam MA DE: 11: ---- O MAIL --

Assessment of Common and Emerging Bioinformatics thew B. Sullivan Genome Biology Pipelines for Targeted Metagenomics

Methodology Open Léa Siegwald, Hélène Touzet, Yves Lemoine, David Hot, Christophe Audebert , Ségolène Caboche o 🔼

metagenomic assembly and analysis pipeline

BioMaS: a I Published: January 4, 2017 • https://doi.org/10.1371/journal.pone.0169563

Published: 18 October 2021

Anton Nekrutenko^{1,3,9} and The Galaxy Team¹

Sergei Kosakovsky Pond^{1,2,6,9}, Samir Wadhawan^{3,6,7}, Francesca Chiaromonte⁴, Guruprasad Ananda^{1,3}, Wen-Yu Chung^{1,3,8}, James Taylor^{1,5,9},

m: an extensible pipeline for analyzing nomic sequencing experiments

Louis J. Taylor, Chunyu Zhao, Andrew Connell, Jung-Jin Lee, Bryton Fett,

Frederic D. Bushman & Kyle Bittinger

✓

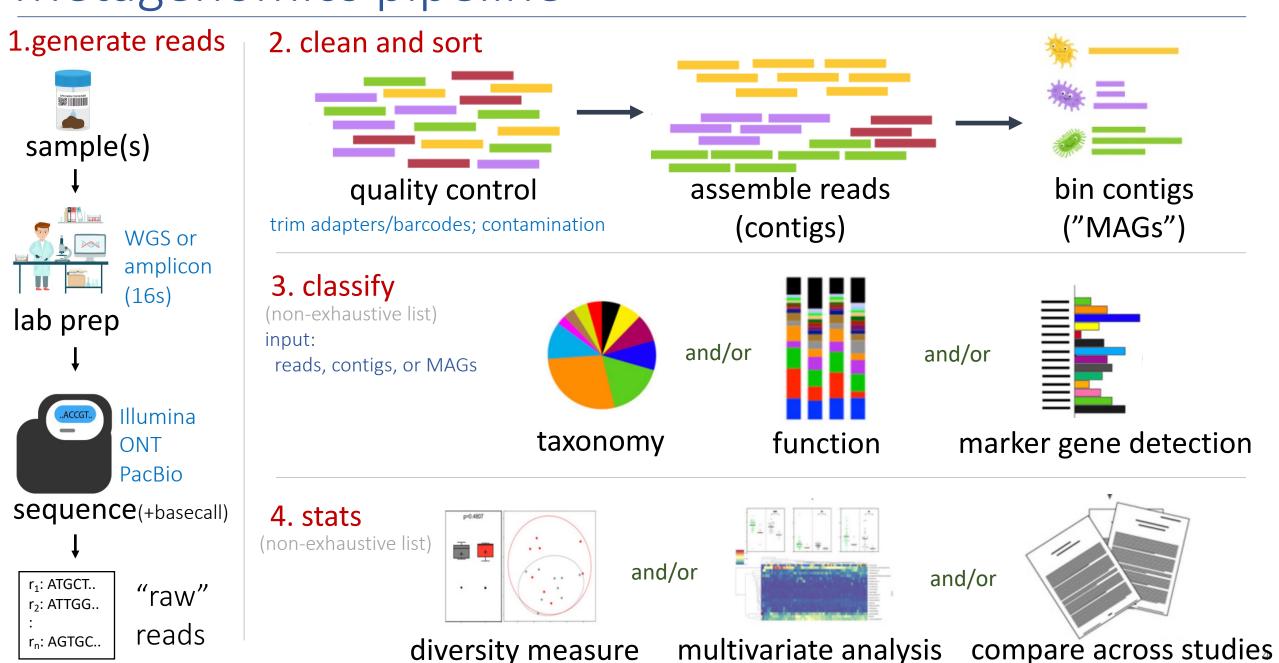
Microbiome **7**, Article number: 46 (2019) Cite this article

Bioinformatics, Volume 36, Issue 7, April 2020, Pages 2314–2315,

What questions are you looking to answer?

3

Metagenomics pipeline





Long or short reads?



WGS or targeted amplicon (16s)?