

YAMP: Yet Another Metagenomic Pipeline

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Why?

1. Easy to use

2. Portable

3. Flexible

4. Reproducible

How?

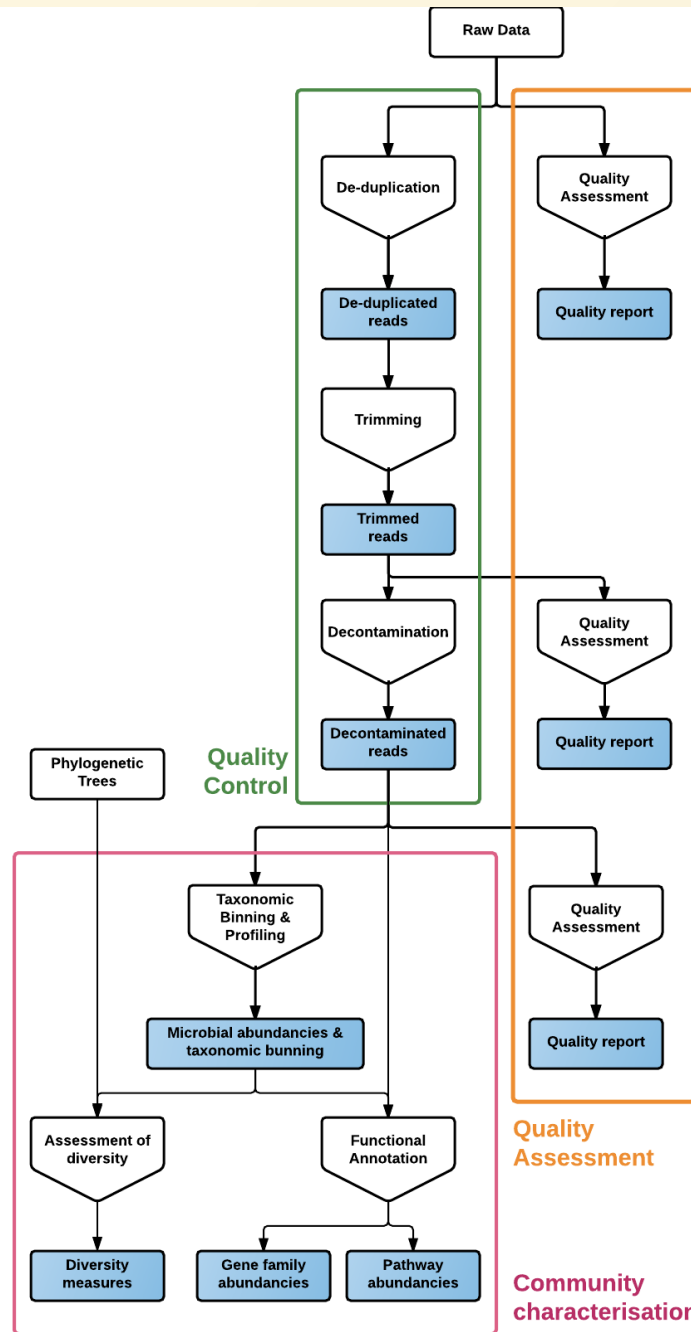
nextflow

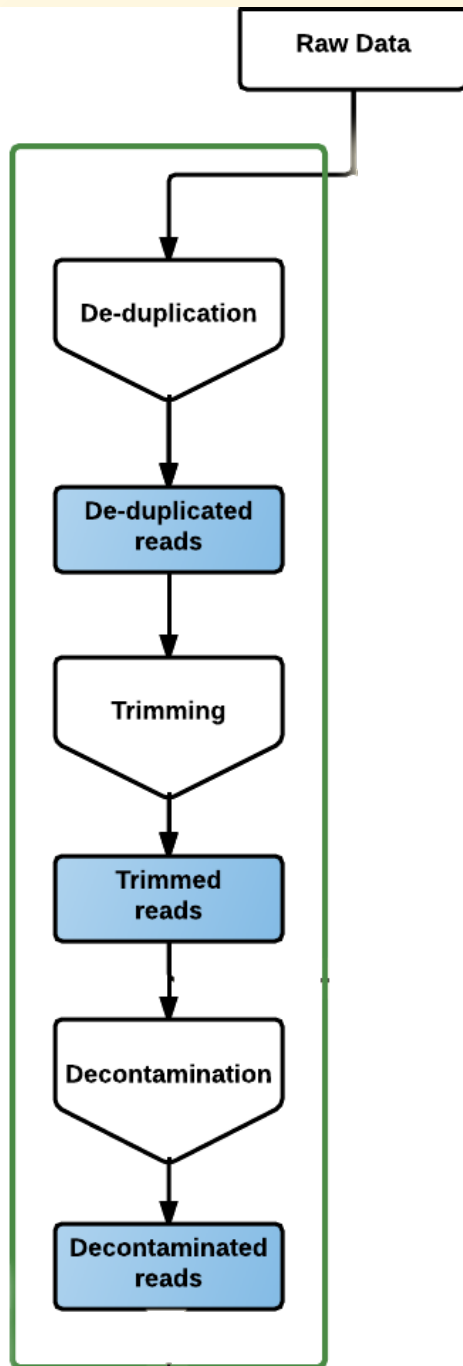
- Highly parallel
- Easily portable
- Very flexible and customisable



- Lightweight, self-contained systems
- Software version management

What?



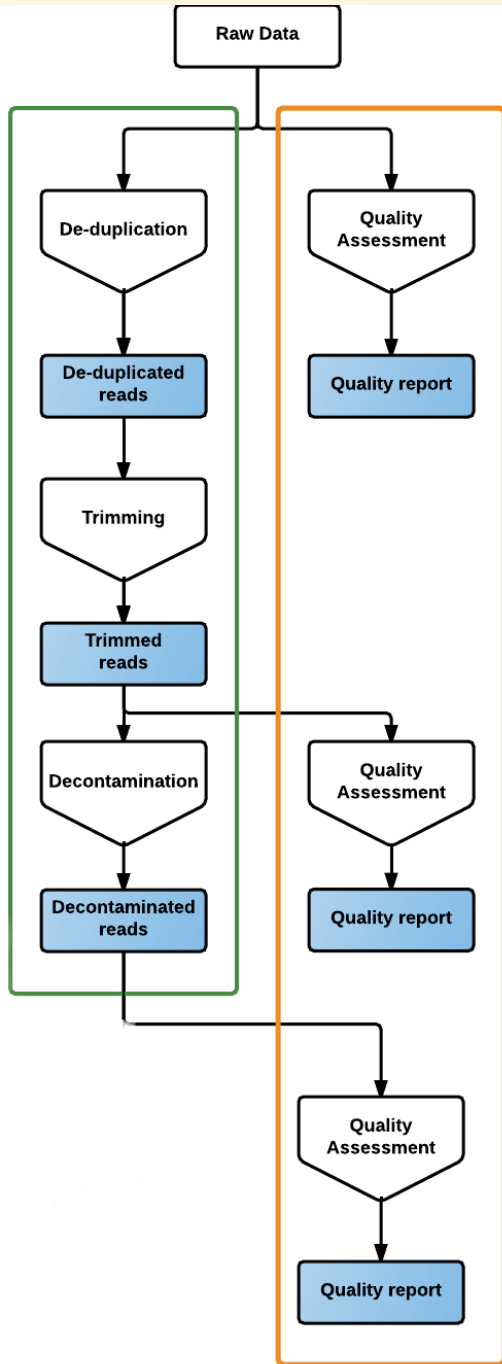


Quality Control I

- De-duplication: `clumpify`
- Trimming: `BBduk`
- Decontamination: `BBwrap`

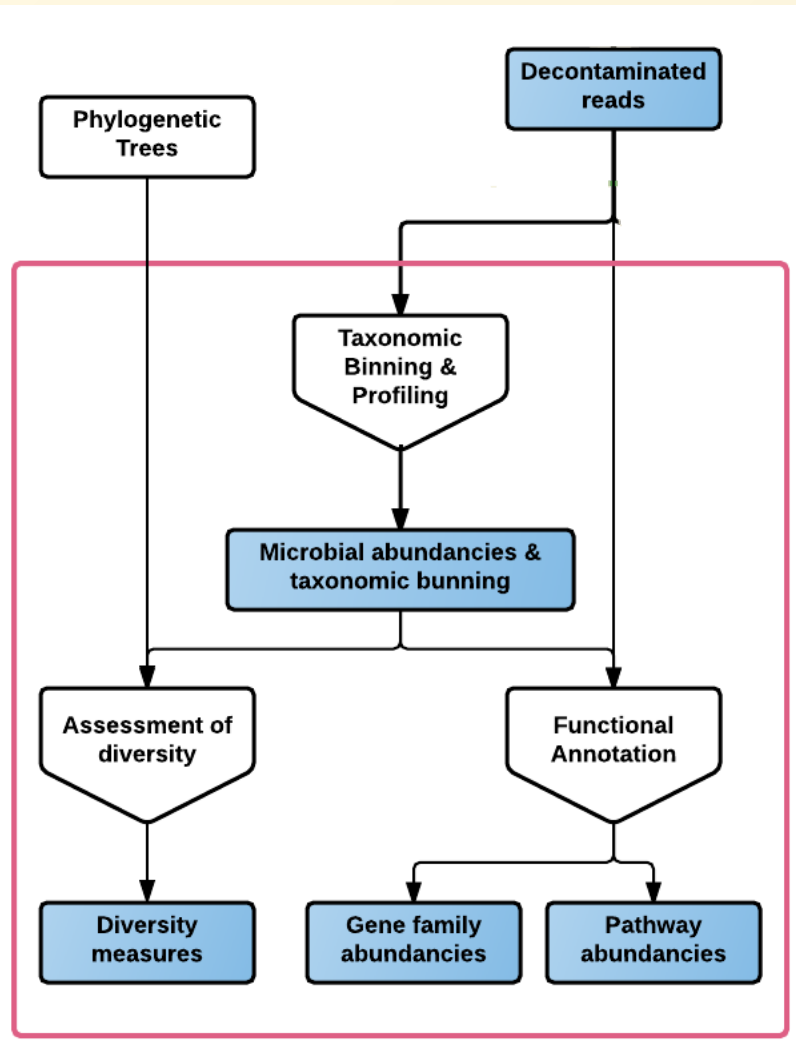
Quality Control II

- Assessment: FastQC



Community Characterisation

- Taxonomy binning & profiling: `metaphlan2`
- Functional annotation: `HUMAnN2`
- Assessment of diversity: `QIIME`



Where?



<https://github.com/alessia/YAMP>

<https://github.com/alessia/YAMP/wiki>



<https://hub.docker.com/r/alessia/yampdocker>

Who?

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