EukRef: Annotating the taxonomy of 18S rRNA genesequences since 2015

Javier del Campo, Marta Noguera and the PR2 team



UNIVERSITY OF MIAMI

ROSENSTIEL SCHOOL of MARINE & ATMOSPHERIC SCIENCE





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Introduction

PR2 curation



Search in PR2 database and run the alignment pipeline.



Build phylogenetic tree.



Make several iterative modifications.



Download the reference tree and the reference database.



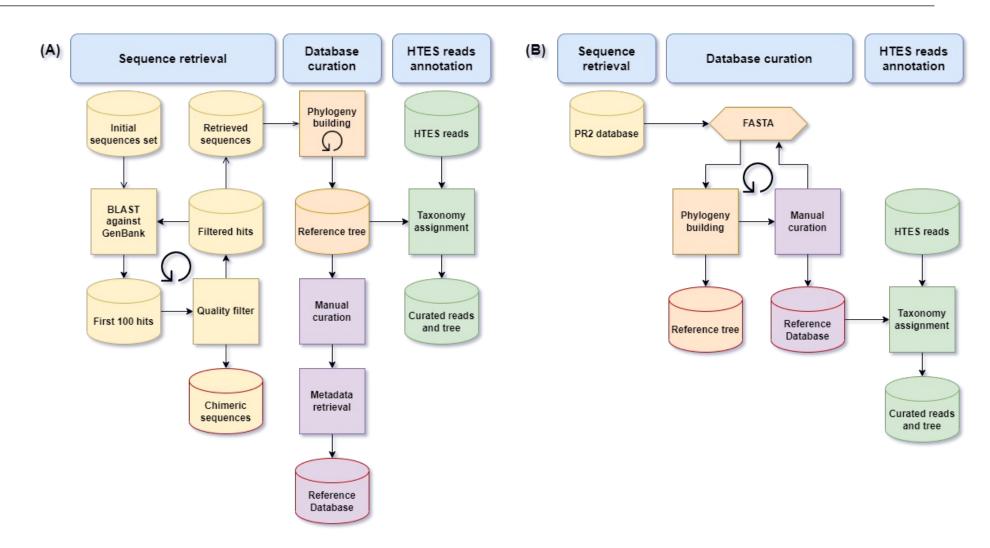
Democratise the access to phylogenetic based annotation to taxonomists



Transferring the knowledge from taxonomists to curate reference databases



Pipeline simplification



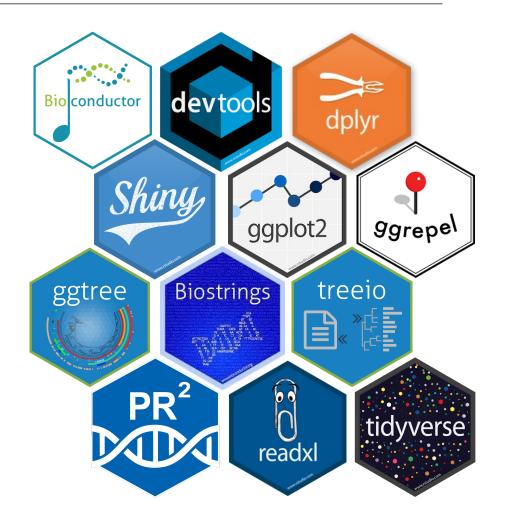
Pipeline improvements

EukRef PR2 curation Steps Iterative sequences Downloading the target Sequence retrieval retrieval process from lineage sequences from process GenBank by using BLAST the PR2 database Executing lines of code in In the application Database curation the terminal interface by clicking From 30 minutes to 2 Hands-on time From two days to a week hours

Software needed

R packages





The PR2 curation process

