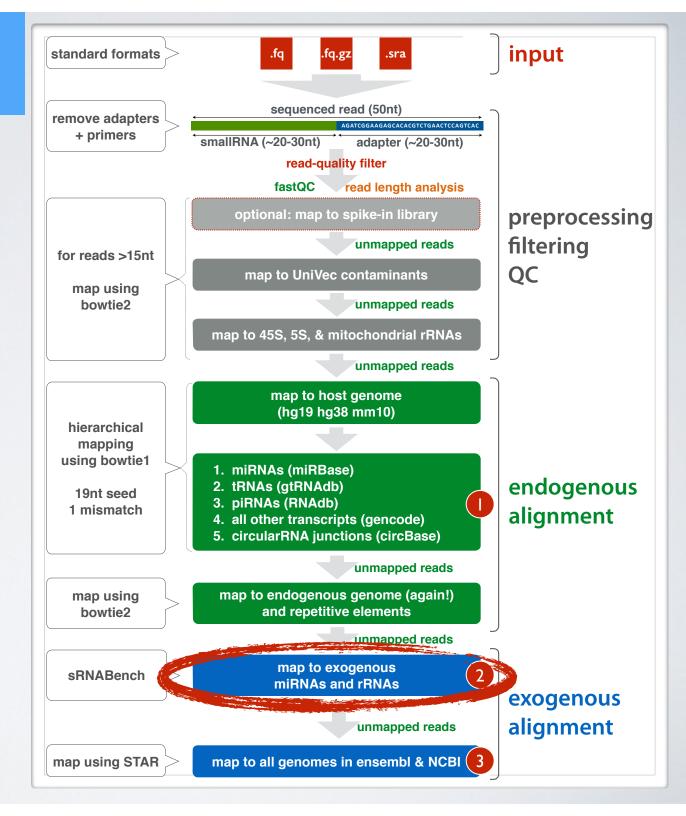
exceRpt

- replaced sRNAbench with custom alignments & quantification code
- advantages:
 - more alignment control
 - uses read qualities
 - support for 4N barcodes
 - faster
 - better memory usage
 - streamlined output files
- alignment to rRNAs in RDP
 - interpret/filter exogenous genome alignments
 - better compatibility with microbiome analyses



exogenous rRNA alignment

- can better compare exRNA results with microbiome results
- 16S and 28S sequences from the ribosome database:



ANNOUNCEMENTS

RDP News

07/08/2015 *** Pyro Job Submission up ***

Hardware Issues causing pyro issues now fixed

05/28/2015 RDP Staff attending ASM Meeting in New Orleans

RDP staff will be attending the ASM General Meeting in New Orleans in the coming week. Two RDP posters will be presented: first on Tuesday morning:...

05/26/2015 RDP Release 11.4 available

Updated 16S rRNA hierarchy model to training set No. 14.

03/27/2015 FrameBot new option Add de novo to references available

Unique abundant query sequences will be added to the starting reference set if qualifications are met.

02/23/2015 WARNING -- RDP unavailable Sat., March 7th

Building network infrastructure upgrades planned 8 A.M. through 6 P.M.

02/16/2015 Introducing Xander assembler

RDP's new gene-target metagenomic assembler, Xander, is released

10/21/2014 Classifier provides gene copy number adjustment

RDP Classifier provides gene copy number adjustment for 16S gene sequences

09/17/2014 Using RDPTools Output with Phyloseq

A comprehensive tutorial using RDPTools output with Phyloseq package released

09/17/2014 RDP Release 11.3 available

RDP Release 11.3 features updated 16S rRNA hierarchy model No. 10.

RDP Release 11, Update 4:: May 26, 2015

3,224,600 16S rRNAs :: 108,901 Fungal 28S rRNAs Find out what's new in RDP Release 11.4 here.

login

Cite RDP's latest tool articles.

RDP provides quality-controlled, aligned and annotated Bacterial and Archaeal 165 rRNA sequences, and Fungal 285 rRNA sequences. and a suite of analysis tools to the scientific community. New to RDP release 11:

- RDP tools have been updated to work with the new fungal 28S rRNA sequence collection.
- A new Fungal 28S Aligner and updated Bacterial and Archaeal 16S Aligner. We optimized the parameters for these secondary-structure based Infernal aligners to provide improved handling for partial sequences.
- Updated RDPipeline offers extended processing and analysis tools to process high-throughput sequencing data, including single-strand and paired-end reads.
- · Most of the RDP tools are now available as open source packages for users to incorporate in their local workflow.



















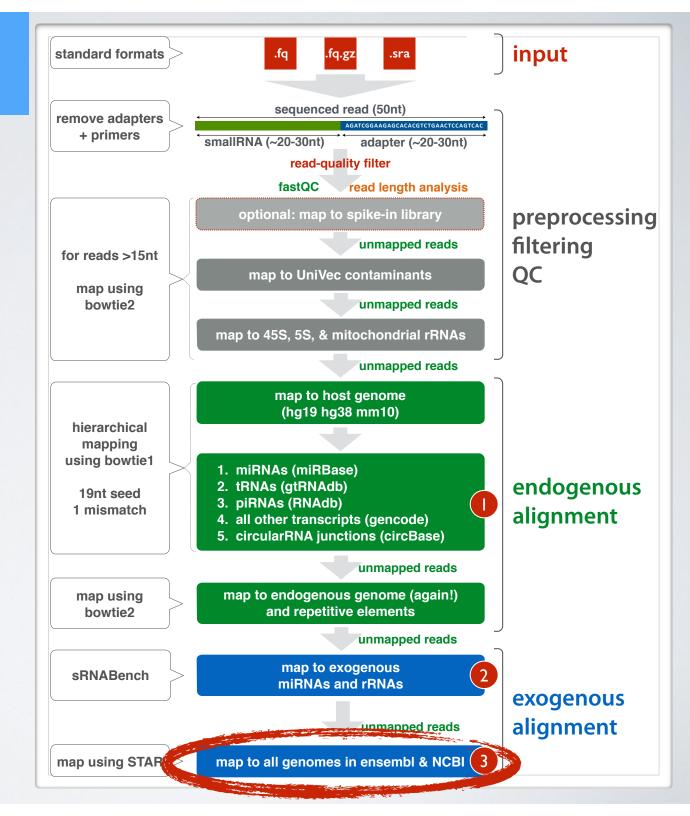






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exogenous genomes - new dataset

- collaboration with Amy Buck @ Edinburgh University
- 76 samples from Ghanaian individuals in a few groups:
 - healthy controls
 - infected by nematodes that cause onchocerciasis or "river blindness": 'Onchocerca volvulus' or 'Loa loa'
- · samples from either plasma or urine

