

DC

16S raw sequences

TA

Quality Control

1. quality cutoff
2. trimming

Denoise or Cluster

1. Denovo
2. Closed ref
3. Open ref
4. Dada2
5. Deblur

Chimera checking

1. uchime
2. chimera slayer

Denoising and Clustering

Taxonomy assignment

Query tool

1. Blast
2. Naive Bayes
3. Clustering

Taxonomy Database

1. GreenGenes
2. Silva
3. NCBI

Rarefaction

1. subsampling
2. normalization

Filtering

1. samples
2. features

Transforms

1. centered log ratio
2. cumulative sum
3. additive log

OTU processing

Network inference

Associations

1. Pearson
2. SparCC
3. Spearman
4. DAA
5. SpiecEasi
6. mLDM

Re-sampling and Bootstrapping

Pvalues

OP

NI