

Developer's pipeline

Assign taxonomy to
sequences

Add taxonomy to BIOM
files (e.g., using
`biom add-metadata`)

Mock community
tables with
taxonomy (BIOM)

Natural community
tables with
taxonomy (BIOM)

Mock community evaluations

Evaluation 1:
qualitative
composition using
precision (P), recall
(R), and F-measure
(F)

Evaluation 2:
quantitative
composition using
Pearson correlation
(r)

Natural community
evaluations

Evaluation 3:
Procrustes
comparison (M2)
of taxa-based
PCoAs with OTU-
based PCoAs

Evaluation framework
(open source code in GitHub)

Data store (GitHub repository)

Mock community
sequences (fasta)

Natural community
sequences (fasta)

Mock community tables
with no taxonomy
(BIOM)

Natural community
tables with no
taxonomy (BIOM)

Mock community tables
with taxonomy (BIOM)

Mock community
expected composition

Natural community
tables with taxonomy
(BIOM)

Natural community
expected ordination