

Paired-end Illumina sequencing output

Paired-end reads of raw
Illumina sequence
.fastq

join_paired_ends.py

Separate, quality-controlled fasta
files of merged reads

add_qiime_labels.py

Merged file of all seqs in all
samples
combined_seqs.fna

pick_open_reference_otus.py

"Biom" OTU table
otu_table.biom

single_rarefaction.py

biom summarize_table

Subsampled "biom" OTU table
otu_table_even.biom

biom convert

Summarize_taxa_through_plots.py

"Classic" OTU table for R
or other programs
otu_table_even.txt

Heatmap, other
visualizations

Bar / area charts of
composition

beta_diversity.py

Resemblance matrix (e.g., UniFrac)
unifrac.txt

principal_coordinates.py

Table of axis scores
PCoA.txt

make_2d_plots.py

PCoA ordination
plots

Mapping file
.txt

Create this specific to
your experiment

A "gold" database for
alignment and chimera
checking

Provided by greengenes,
rdp, etc.

pick_otus.py

pick_rep_set.py

align_seqs.py

assign_taxonomy.py

make_otu_table.py

make_phylogeny.py

List of sequences per OTU ("OTU map")
seqs_otus.txt

List of one representative sequence of each OTU
rep_set.fna

Alignment of representative sequence of each OTU
rep_set_aligned.fna

List of taxonomic assignments each OTU
rep_set_tax_assignments.txt

"Biom" OTU table
otu_table.biom

Tree file
rep_phylo.tre

alpha_diversity.py

Summary of alpha diversity per community
alpha_diversity_even.txt

A QIIME workflow example chart
created by Ashley Shade
(shade.ashley@gmail.com)
with contributions by Siobhan
Cusack
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- file
- script
- visualization