

Paired-end Illumina sequencing output

Paired-end reads of raw  
Illumina sequence  
**.fastq**

PANDAsseq

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  
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