

Workflow step	Module/Condition	Tool/Parameter	References/Value
Denoising and Clustering	Denoise and Cluster	Closed reference	[51, 108]
		Open reference	[51, 108]
		De novo	[51, 108]
		Dada2	[42]
		Deblur	[43, 51]
	Chimera checking	Uchime-denovo	[51, 108]
Remove bimeras		[42]	
Taxonomy assignment	Query tool	Blast	[44, 109]
		Naive bayes classifier	[44]
	Database	Greengenes 13_8	[57]
		SILVA 138	[61]
		NCBI RefSeq (Oct 2021)	[62]
OTU processing	Filter(off)	Prevalence threshold	2 / n_samples
		Abundance threshold	0.001
		Observation sum threshold	10
	Filter(on)	Prevalence threshold	0.05
		Abundance threshold	0.01
Observation sum threshold		100	
Network Inference	Bootstrapping	fastspar_bootstraps v1.0	[46]
		fastspar_pvalues v1.0	[46]
	Direct association	SpiecEasi v1.1.2	[47]
		FlashWeave.jl v0.18.1	[48]
		COZINE v1.0	[66]
		HARMONIES v1.0	[67]
		SPRING v1.0.4	[68]
		mLDM v1.1	[69]
	Correlation-based	SparCC (FastSpar v1.0)	[46]
		Pearson	-
		Spearman	-
		propr v2.1.2	[65]
	Consensus algorithm	scaled-sum	0.333
simple voting		1.000	