

We applied this workflow in the practical. Fill it with the format file and software used in each step:

Data Preparation		
-	GALAXY TOOLS:	List of Dataset Pairs
Quality Control	GALAXY TOOLS:	Screen.seqs
OTU Clustering	GALAXY TOOLS:	Cluster.split
Classification	GALAXY TOOLS:	Classify.otu
Alfa Diversity	GALAXY TOOLS:	Rarefaction.single
Beta Diversity	GALAXY TOOLS:	Dist.shared
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Visualization	GALAXY TOOLS:	Make.biom

Explain the importance of rarefaction curves. If you have a sample which show a rarefaction curve which has not started to level off, how would you solve this problem? Give at least two possible solutions

These curves help estimate species diversity and asses sampling availability, when the curve is not fully leveled, it indicates incomplete sampling, missing biodiversity.

To solve the problem one option would be to increase the number of samples and sample size, the other option would be to find and use data from other studies that have researched similar samples with similar motives that the one of our study.