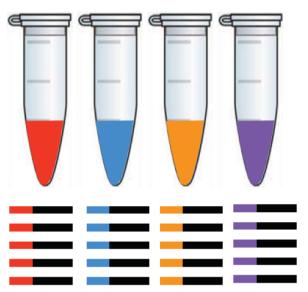
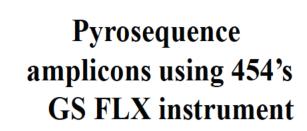


Extract DNA and PCR amplify with barcoded primer



Pool amplicons





OTU1

OTU2

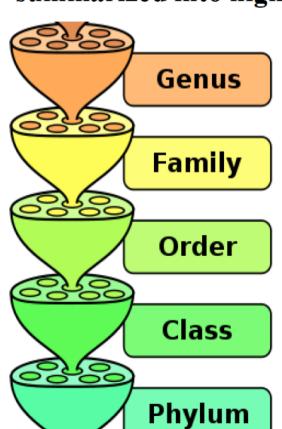
OTU3

OTUq

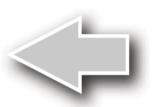


Quality control, assign sequences to samples using barcode and denoise





Assign lineages by **RDP** classifier



Thousands of OTUs, 100's of samples

>AGTGAGAGAAGCAGGGTCGTAATGTT...

>AGTGCGATGCGTAGGGTCGTAATGTA|...

>AGTGCGATGCGTAGGGTCGTAATGCG...

>AGTGGATGCTCT AGGGTCGTAATGCA...

>AGTGTCACGGTGAGGGTCGTAATGGG...

>AGTGGATGCTCT AGGGTCGTAATGTT...

>AGTGTCACGGTGAGGGTCGTAATGCC...

>AGTGAGAGAAGCAGGGTCGTAATCAC...

Cluster sequences into OTUs (97% level), align to reference alignment (e.g., using **PYNAST)**, infer phylogeny (FastTree)

OTU: Operational Taxonomic Unit

OTU1

OTU2

OTU3