Table S3 Diversity metrics

Community	Habitat	Richness	Shannon	Inverse Simpson
Cyanobacteria	Rainfall-dominated	47.25^a	2.60^a	8.53^a
	Fog-dominated	45.83^a	1.93^b	4.54^b
Heterotrophic bacteria	Rainfall-dominated	332.81^a	4.65^a	43.74^a
	Fog-dominated	198.00^b	3.79^b	23.08^a
Metazoa	Rainfall-dominated	20.58^a	2.05^a	6.02^a
	Fog-dominated	12.33^b	1.43^b	3.35^b
Protista	Rainfall-dominated	17.33^a	2.08^a	5.74^a
	Fog-dominated	13.92^a	1.94^a	5.33^a

Different superscript letters indicate a significant mean difference between habitats (Kruskall-Wallis test, $P<0.01$)
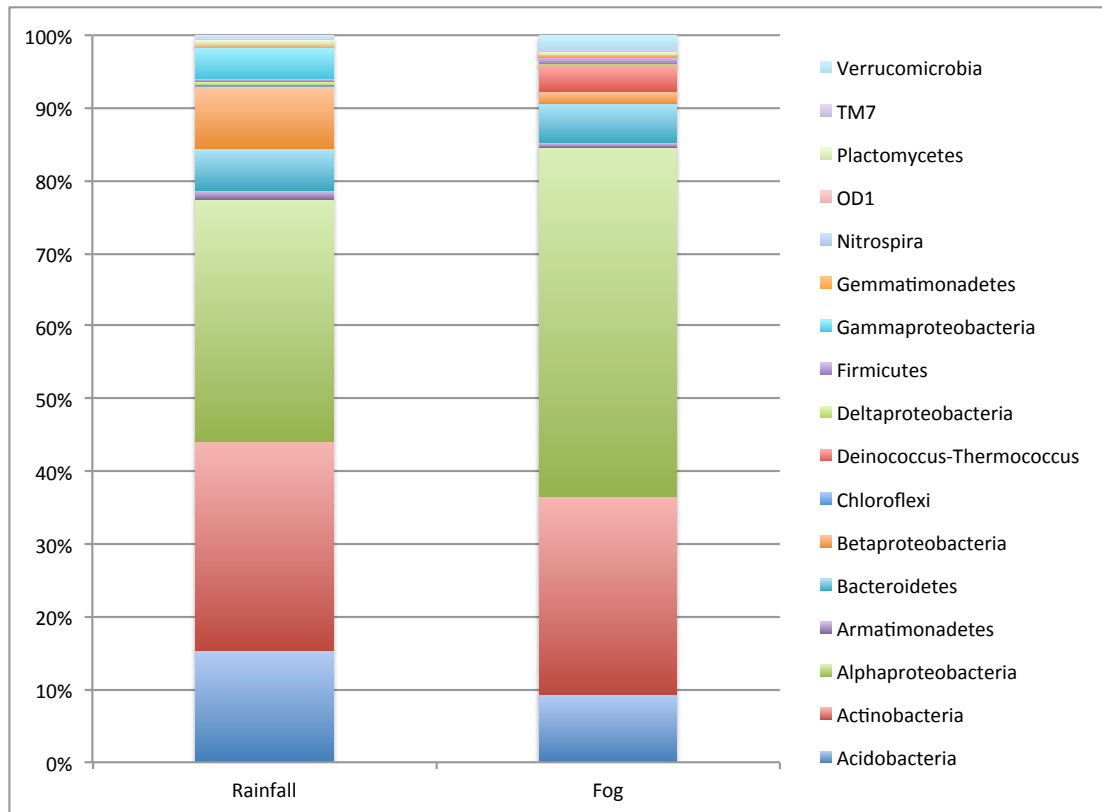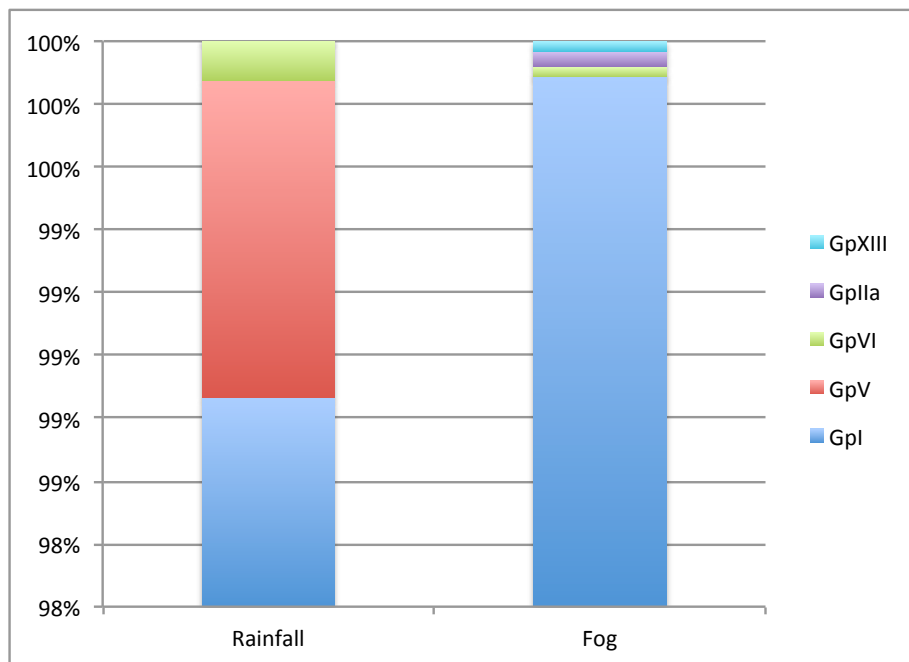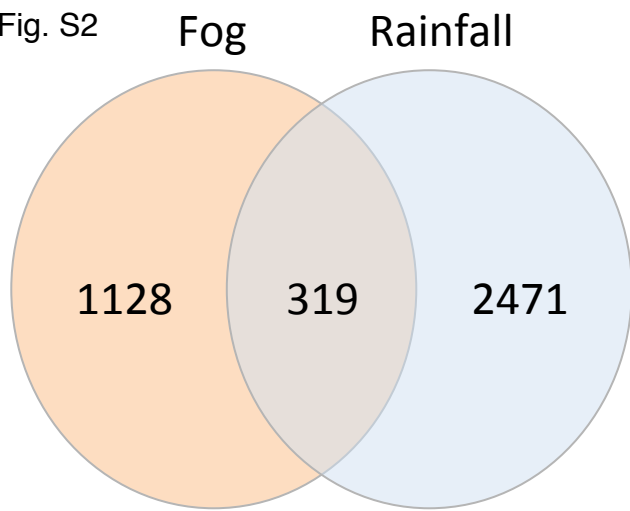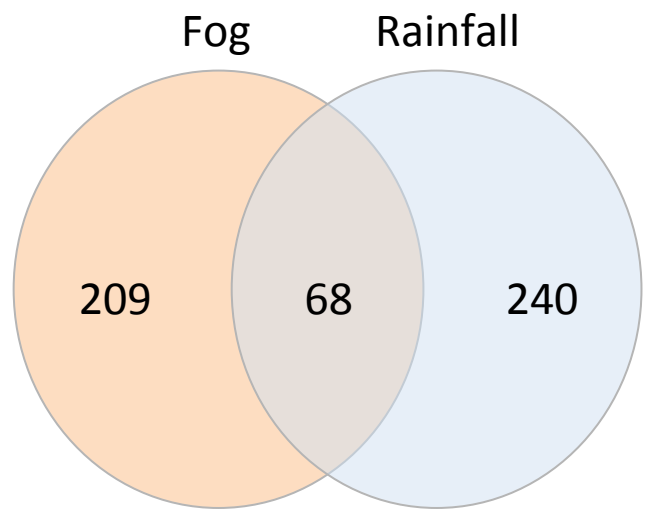
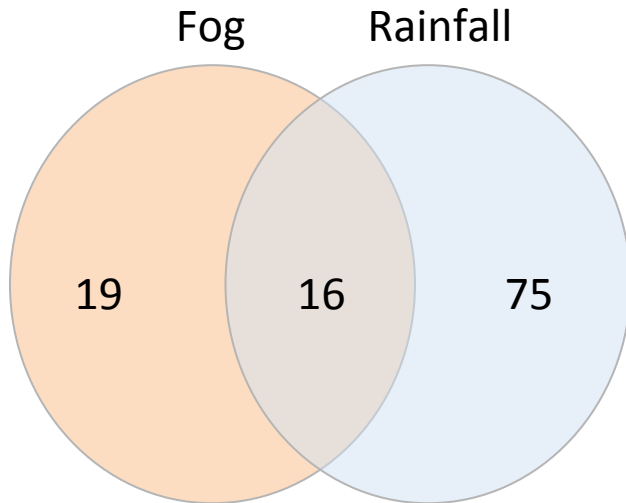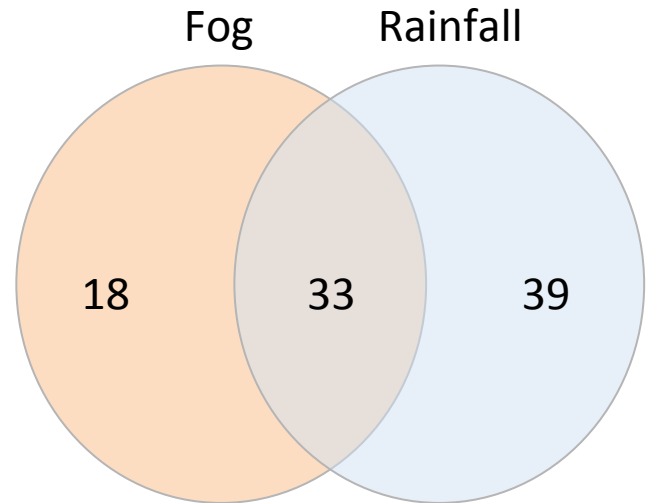## Figure S1a

Figure S1b

Fig. S2

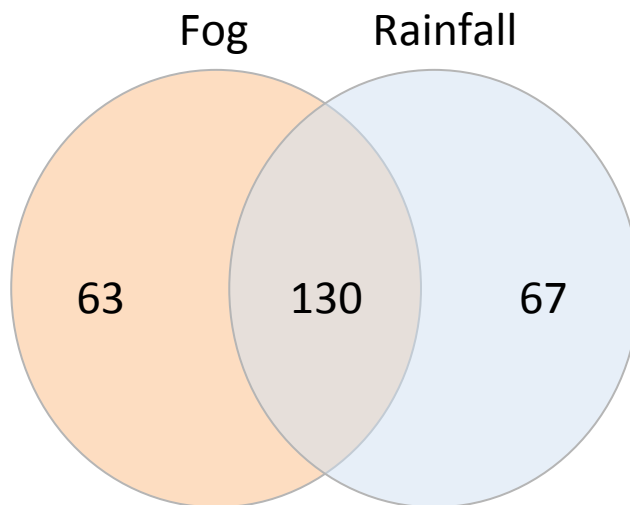Heterotrophic bacteria
#OTUs=3918

Cyanobacteria
#OTUs=517

Metazoa
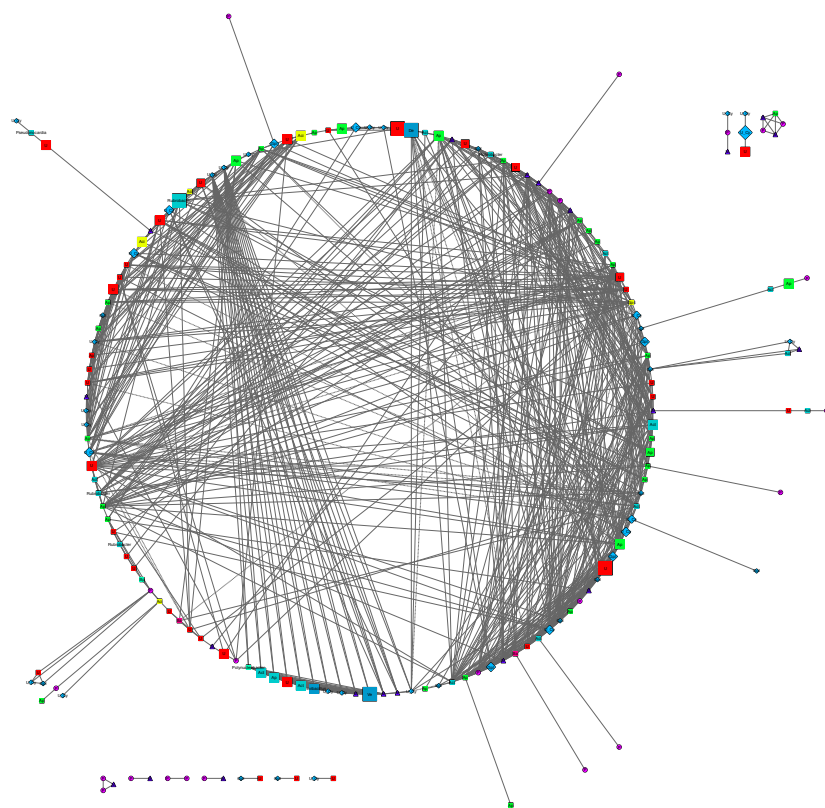#OTUs=110

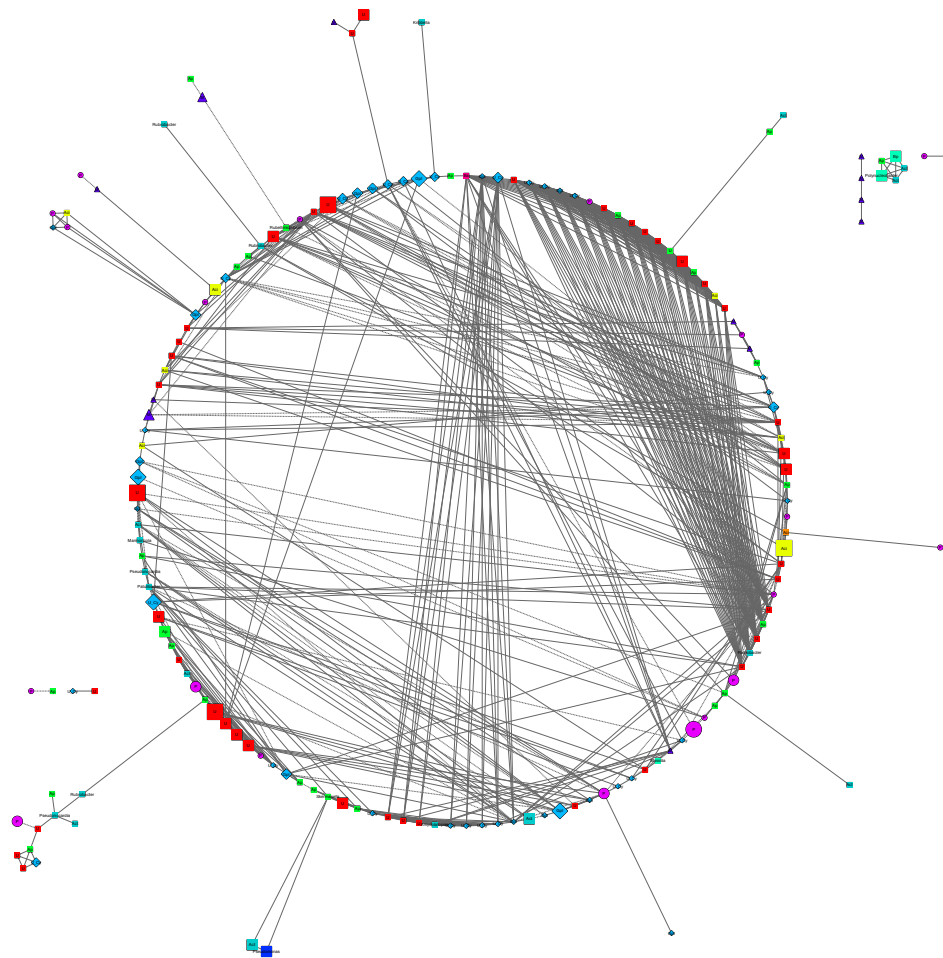Protista
#OTUs=90

Network
#OTUs=260

Figure S3a

Figure S3b

Fig. S4

Fog dominated network

Rainfall dominated network

Relative frequency

Betweenness centrality