

Supplemental Table

Location ID	Location	Average OTU Abundance ($\pm$SD)
Morelos	Puerto Morelos, Mexico (Caribbean)	417 $\pm$ 270
Baja-Sur	Pichilingue, Baja California Sur, Mexico (Pacific)	490 $\pm$ 74
Sesoko	Sesoko Island, Okinawa, Japan (Pacific)	706 $\pm$ 571
FerryR	Ferry Reach, Bermuda (Atlantic)	793 $\pm$ 311
Oahu	Oahu Waikiki, Hawaii, USA (Pacific)	409 $\pm$ 296
Florida	Florida Keys National Marine Sanctuary, USA (Atlantic)	684 $\pm$ 512
Carenera	Carenera Island, Bocas del Toro, Panama (Caribbean)	649 $\pm$ 408
Achotines	Achotines lab, Pedasi, Panama (Pacific)	716 $\pm$ 371
Madeira	Madeira Island, Portugal (Atlantic)	448 $\pm$ 186
Canaria	Las Palmas Island, Gran Canaria, Spain (Atlantic)	508 $\pm$ 139
KML	Outdoor flow-through aquariums at Key Marine Lab, Long Key, Florida, USA	884 $\pm$ 140
Shortlab	Anemones from KML brought to laboratory captivity for 4 Months	523 $\pm$ 209
CC7	Clone CC7 in laboratory captivity for 6 Years	1358 $\pm$ 225

Petstore	Unknown Collection Site	1671 ± 144
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