

Supplementary Table 1: Comprehensive list of all species observed during the BRUV study. The table includes details for each species such as Kingdom, Phylum, Class, Order, Family, Genus, Species, Common name, MaxN, and the number of BRUV deployments in which they were observed.

Kingdom	Phylum	Class	Order	Family	Genus	Species	Common	MaxN	Numer of BRUVs present
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Seriola	<i>Seriola rivoliana</i>	Almaco jack	2	5
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Seriola	<i>Seriola dumerili</i>	Amber jack	2	1
Animalia	Chordata	Actinopterygii	Syngnathiformes	Aulostomidae	Aulostomus	<i>Aulostomus maculatus</i>	Atlantic trumpetfish	2	3
Animalia	Chordata	Actinopterygii	Belontiiformes	Hemirhamphidae	Hemirhamphus	<i>Hemirhamphus brasiliensis</i>	Ballyhoo	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Chaetodontidae	Chaetodon	<i>Chaetodon striatus</i>	Banded butterflyfish	2	7
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Tetraodontidae	Sphaeroides	<i>Sphaeroides spengleri</i>	Bandtail puffer	3	5
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Caranx	<i>Caranx ruber</i>	Bar jack	40	34
Animalia	Chordata	Actinopterygii	Sphyraeniformes	Sphyraenidae	Sphyraena	<i>Sphyraena barracuda</i>	Barracuda	2	29
Animalia	Chordata	Actinopterygii	Blenniiformes	Blenniidae	Scartella	<i>Scartella cristata</i>	Barfin blenny	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Pomacentridae	Stegastes	<i>Stegastes partitus</i>	Bicolor damselfish	8	8
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Selar	<i>Selar crumenophthalmus</i>	Big eye scad	360	11
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Ballistidae	Melichthys	<i>Melichthys niger</i>	Black durgon	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Serranidae	Mycteroperca	<i>Mycteroperca bonaci</i>	Black grouper	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Haemulidae	Anisotremus	<i>Anisotremus surinamensis</i>	Black margate	1	3
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Halichoeres	<i>Halichoeres poeyi</i>	Blackear wrasse	3	3
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Caranx	<i>Caranx crysos</i>	Blue runner	40	10
Animalia	Chordata	Actinopterygii	Perciformes	Acanthuridae	Acanthurus	<i>Acanthurus coeruleus</i>	Blue tang	1	2
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Thalassoma	<i>Thalassoma bifasciatum</i>	Blueshead wrasse	18	15
Animalia	Chordata	Actinopterygii	Perciformes	Haemulidae	Haemulon	<i>Haemulon sciurus</i>	Bluestripped grunt	3	1
Animalia	Chordata	Actinopterygii	Perciformes	Kyphosidae	Kyphosus	<i>Kyphosus vaigiensis</i>	Brassy chub	18	2
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Didodontidae	Chilomycterus	<i>Chilomycterus antennatus</i>	Bridled burrfish	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Kyphosidae	Kyphosus	<i>Kyphosus bigibbus</i>	Brown chub	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Haemulidae	Haemulon	<i>Haemulon carbonarium</i>	Caesar grunt	1	1
Animalia	Chordata	Chondrichthyes	Carchariniformes	Carcharhinidae	Carcharhinus	<i>Carcharhinus perzi</i>	Caribbean reef shark	2	21
Animalia	Chordata	Actinopterygii	Scombriformes	Scombridae	Scomberomorus	<i>Scomberomorus regalis</i>	Cero	70	9
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Halichoeres	<i>Halichoeres maculipinna</i>	Clown wrasse	9	4
Animalia	Chordata	Actinopterygii	Perciformes	Serranidae	Cephalopholis	<i>Cephalopholis fulva</i>	Coney	8	13
Animalia	Chordata	Actinopterygii	Syngnathiformes	Fistulariidae	Fistularia	<i>Fistularia spp</i>	Coronetfish	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Clepticus	<i>Clepticus parae</i>	Creole wrasse	6	2
Animalia	Chordata	Actinopterygii	Perciformes	Scaridae	Nicholsina	<i>Nicholsina usta</i>	Emerald parrotfish	1	1
Animalia	Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	Paralichthys	<i>Paralichthys spp.</i>	Flounder	1	3
Animalia	Chordata	Actinopterygii	Perciformes	Chaetodontidae	Chaetodon	<i>Chaetodon capistratus</i>	Foureye butterflyfish	2	7
Animalia	Chordata	Actinopterygii	Perciformes	Haemulidae	Haemulon	<i>Haemulon flavolineatum</i>	French grunt	3	6
Animalia	Chordata	Actinopterygii	Perciformes	Kyphosidae	Kyphosus	<i>Kyphosus sectatrix</i>	Gray chub	42	3
Animalia	Chordata	Actinopterygii	Perciformes	Haemulidae	Haemulon	<i>Haemulon scudderii</i>	Grey grunt	4	5
Animalia	Chordata	Actinopterygii	Perciformes	Lutjanidae	Lutjanus	<i>Lutjanus ariseus</i>	Gray snapper	42	2
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Ballistidae	Ballistes	<i>Ballistes capriscus</i>	Gray triggerfish	2	2
Animalia	Chordata	Actinopterygii	Perciformes	Serranidae	Cephalopholis	<i>Cephalopholis cruentata</i>	Gray snapper	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Xirichthys	<i>Xirichthys splendens</i>	Green razorfish	2	2
Animalia	Chordata	Actinopterygii	Perciformes	Serranidae	Serranus	<i>Serranus tianinus</i>	Harlequin bass	1	2
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Lachnolaimus	<i>Lachnolaimus maximus</i>	Hoofish	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Caranx	<i>Caranx latius</i>	Horse eye jack	2	1
Animalia	Chordata	Actinopterygii	Perciformes	Callionymidae	Paralipogrammus	<i>Paralipogrammus bairdi</i>	Lancer dragonet	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Lutjanidae	Lutjanus	<i>Lutjanus synagris</i>	Lane snapper	20	5
Animalia	Chordata	Actinopterygii	Perciformes	Gerreidae	Eucinostomus	<i>Eucinostomus spp.</i>	Mojarra	7	2
Animalia	Chordata	Actinopterygii	Perciformes	Gerreidae	Eucinostomus	<i>Eucinostomus lefroyi</i>	Mottled mojarra	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Lutjanidae	Lutjanus	<i>Lutjanus analis</i>	Mutton snapper	2	4
Animalia	Chordata	Actinopterygii	Perciformes	Serranidae	Epinephelus	<i>Epinephelus striatus</i>	Nassau grouper	2	2
Animalia	Chordata	Chondrichthyes	Orectolobiformes	Ginglymostomatidae	Ginglymostoma	<i>Ginglymostoma cirratum</i>	Nurse shark	1	5
Animalia	Chordata	Actinopterygii	Perciformes	Acanthuridae	Acanthurus	<i>Acanthurus bahianus</i>	Ocean surgeonfish	6	14
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Ballistidae	Canthidermis	<i>Canthidermis sufflamen</i>	Ocean triggerfish	8	4
Animalia	Chordata	Actinopterygii	Perciformes	Pomacentridae	Chromis	<i>Chromis alba</i>	Olive chromis	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Chaenogadidae	Emblemaria	<i>Emblemaria gaudionis</i>	Palefin blenny	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Xirichthys	<i>Xirichthys novacula</i>	Pearly razorfish	11	7
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Trachinotus	<i>Trachinotus falcatus</i>	Permit	3	6
Animalia	Chordata	Actinopterygii	Perciformes	Sparidae	Calamus	<i>Calamus pennatula</i>	Pluma porry	4	7
Animalia	Chordata	Actinopterygii	Perciformes	Scaridae	Scarus	<i>Scarus taeniopetrus</i>	Princess parrotfish	1	3
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Halichoeres	<i>Halichoeres radiatus</i>	Puddingwife wrasse	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Pomacanthidae	Holocanthus	<i>Holocanthus ciliaris</i>	Queen angelfish	2	8
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Ballistidae	Ballistes	<i>Ballistes vetula</i>	Queen triggerfish	6	11
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Elagatis	<i>Elagatis bipinnulata</i>	Rainbow runner	2	1
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Halichoeres	<i>Halichoeres pictus</i>	Rainbow wrasse	24	5
Animalia	Chordata	Actinopterygii	Perciformes	Serranidae	Epinephelus	<i>Epinephelus guttatus</i>	Red hind	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Scaridae	Sparisoma	<i>Sparisoma aurofrenatum</i>	Redband parrotfish	1	2
Animalia	Chordata	Actinopterygii	Perciformes	Scaridae	Sparisoma	<i>Sparisoma chrysotaenium</i>	Redtail parrotfish	2	3
Animalia	Chordata	Actinopterygii	Perciformes	Scaridae	Scarus	<i>Scarus vetula</i>	Reef parrotfish	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Echeneidae	Echeneis	<i>Echeneis naucrates</i>	Remora	3	6
Animalia	Chordata	Actinopterygii	Perciformes	Pomacanthidae	Holocanthus	<i>Holocanthus tricolor</i>	Rock beauty	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Serranidae	Epinephelus	<i>Epinephelus adscensionis</i>	Rock hind	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Xirichthys	<i>Xirichthys martinicensis</i>	Rosy razorfish	23	8
Animalia	Chordata	Actinopterygii	Perciformes	Scaridae	Scarus	<i>Scarus frenatus</i>	Saddled parrotfish	2	3
Animalia	Chordata	Actinopterygii	Perciformes	Malacanthidae	Malacanthus	<i>Malacanthus plumieri</i>	Sand tile fish	2	5
Animalia	Chordata	Actinopterygii	Perciformes	Lutjanidae	Lutjanus	<i>Lutjanus apodus</i>	Schoolmaster snapper	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Pomacentridae	Abudefduf	<i>Abudefduf saxatilis</i>	Seargent major	1	2
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Tetraodontidae	Canthiaster	<i>Canthiaster rostrata</i>	Sharpnose puffer	2	3
Animalia	Chordata	Actinopterygii	Perciformes	Sparidae	Calamus	<i>Calamus penna</i>	Sheepshead porry	3	1
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Monacanthidae	Monacanthus	<i>Monacanthus tockeri</i>	Slender filefish	1	3
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Halichoeres	<i>Halichoeres battaster</i>	Slipfin dick	23	1
Animalia	Chordata	Actinopterygii	Tetraodontiformes	Ostraciidae	Lactophrys	<i>Lactophrys triqueter</i>	Smooth trunkfish	1	3
Animalia	Chordata	Chondrichthyes	Myliobatiformes	Dasysidae	Hypanus	<i>Hypanus americanus</i>	Southern stingray	1	18
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Bodianus	<i>Bodianus rufus</i>	Spanish hogfish	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Chaetodontidae	Chaetodon	<i>Chaetodon ocellatus</i>	Spotfin butterflyfish	2	1
Animalia	Chordata	Actinopterygii	Perciformes	Mullidae	Pseudogobius	<i>Pseudogobius maculatus</i>	Spotted goatfish	13	14
Animalia	Chordata	Actinopterygii	Anguilliformes	Muraenidae	Gymnothorax	<i>Gymnothorax moringa</i>	Spotted moray	1	1
Animalia	Chordata	Actinopterygii	Beryciformes	Holocentridae	Holocentrus	<i>Holocentrus adscensionis</i>	Squirrelfish	3	9
Animalia	Chordata	Actinopterygii	Perciformes	Scaridae	Sparisoma	<i>Sparisoma viride</i>	Stoptlight parrotfish	4	8
Animalia	Chordata	Actinopterygii	Perciformes	Chaetodontidae	Chaetodon	<i>Chaetodon striatus</i>	Striped butterflyfish	2	2
Animalia	Chordata	Actinopterygii	Perciformes	Megaloziidae	Elogadus	<i>Elogadus</i>	Tarpon	1	1
Animalia	Chordata	Chondrichthyes	Carchariniformes	Carcharhinidae	Galeocerdo	<i>Galeocerdo cuvier</i>	Tiger shark	1	2
Animalia	Chordata	Actinopterygii	Perciformes	Serranidae	Serranus	<i>Serranus tobacarius</i>	Tobaccofish	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Haemulidae	Haemulon	<i>Haemulon aurolineatum</i>	Tomtate	5	3
Animalia	Chordata	Actinopterygii	Perciformes	Haemulidae	Haemulon	<i>Haemulon album</i>	White grunt	1	2
Animalia	Chordata	Actinopterygii	Perciformes	Haemulidae	Haemulon	<i>Haemulon albicans</i>	White margate	1	1
Animalia	Chordata	Actinopterygii	Perciformes	Mullidae	Mulloidichthys	<i>Mulloidichthys martinicus</i>	Yellow goatfish	5	1
Animalia	Chordata	Actinopterygii	Perciformes	Carangidae	Carangoides	<i>Carangoides batholomaei</i>	Yellow jack	5	2
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Halichoeres	<i>Halichoeres cyanophyllus</i>	Yellowcheek wrasse	2	1
Animalia	Chordata	Actinopterygii	Perciformes	Labridae	Halichoeres	<i>Halichoeres aeneus</i>	Yellowhead wrasse	2	3
Animalia	Chordata	Actinopterygii	Perciformes	Scaridae	Sparisoma	<i>Sparisoma rubripinne</i>	Yellowtail parrotfish	3	4
Animalia	Chordata	Actinopterygii	Perciformes	Lutjanidae	Ocyurus	<i>Ocyurus chrysurus</i>	Yellowtail snapper	8	23