

Table S3: List of species recorded exclusively below 50 m depth.

Family	Genus	Species	Upper Depth	Region
Acanthuridae	Naso	annulatus	64	NWHI
Apogonidae	Ostorhinchus	maculiferus	61	NWHI
Chaetodontidae	Chaetodon	tinkeri	62	NWHI
Labridae	Bodianus	sanguineus	52	NWHI
Mullidae	Parupeneus	chrysonemus	56	NWHI
Serranidae	Liopropoma	aurora	53	NWHI
Serranidae	Luzonichthys	earlei	58	NWHI
Serranidae	Odontanthias	fuscipinnis	52	NWHI
Tetraodontidae	Canthigaster	rivulata	54	NWHI
Pomacentridae	Chromis	struhsakeri	85	NWHI
Carangidae	Pseudocaranx	dentex	65	NWHI
Cheilodactylidae	Cheilodactylus	vittatus	62	NWHI
Serranidae	Holanthias	fuscipinnis	62	NWHI
Pentaceroideae	Evistias	acutirostris	55	NWHI
Apogonidae	Cheilodipterus	isostigmus	50	Pohnpei
Balistidae	Balistoides	conspicillum	60	Pohnpei
Caesionidae	Caesio	caeruleaurea	50	Pohnpei
Caesionidae	Caesio	teres	60	Pohnpei
Labridae	Chelinius	undulatus	60	Pohnpei
Lutjanidae	Macolor	macularis	50	Pohnpei
Serranidae	Pseudanthias	cooperi	50	Pohnpei
Serranidae	Pseudanthias	pleurotaenia	50	Pohnpei
Serranidae	Pseudanthias	randalli	50	Pohnpei
Serranidae	Pseudanthias	ventralis	60	Pohnpei
Apogonidae	Apogon	lachneri	50	Puerto Rico
Carangidae	Caranx	latus	73	Puerto Rico
Carangidae	Caranx	lugubris	52	Puerto Rico
Chaetodontidae	Chaetodon	ocellatus	70	Puerto Rico
Epinephelidae	Epinephelus	itajara	55	Puerto Rico
Haemulidae	Haemulon	striatum	70	Puerto Rico
Labridae	Halichoeres	cianocephalus	52	Puerto Rico
Pomacanthidae	Holacanthus	tricolor	60	Puerto Rico
Serranidae	Hypoplectrus	puella	50	Puerto Rico
Serranidae	Liopropoma	carmabi	61	Puerto Rico
Serranidae	Liopropoma	rubre	50	Puerto Rico
Serranidae	Lipogramma	klayi	80	Puerto Rico
Lutjanidae	Lutjanus	buccanella	52	Puerto Rico
Serranidae	Paranthias	furcifer	50	Puerto Rico
Labridae	Scarus	guacamaia	71	Puerto Rico
Serranidae	Serranus	chionaraia	60	Puerto Rico
Serranidae	Serranus	luciopercanus	70	Puerto Rico
Pomacentridae	Stegastes	variabilis	60	Puerto Rico
Carangidae	Trachinotus	falcatus	91	Puerto Rico