

Supplementary Table 1. Substrate availability (% cover) at each reef site prior to pooling

Site	Non-living (%)	Macroalgae (%)	Hard coral (%)	Soft coral (%)	Sponges (%)	Other (%)	Unidentified (%)
<i>Rakaru Diri</i>	30.58	6.33	43.08	1.25	9.30	0.08	0.16
<i>Gava Gava</i>	47.50	5.08	30.58	7.50	8.25	0.41	2.58
<i>Matane Huva</i>	43.00	16.66	34.75	0.83	10.58	0.41	0.00
<i>Matane Walindi</i>	19.50	17.50	41.50	4.10	14.75	0.10	2.41
<i>Limuka</i>	36.80	18.00	23.50	8.41	13.50	0.00	0.00
<i>Hanging Gardens</i>	33.50	11.00	31.90	3.90	28.00	1.40	3.33
<i>Restorff Island</i>	15.00	23.00	16.00	17.0	15.08	0.00	1.00

Supplementary Table 2. Details of video footage collected for each individual sponge; including sponge species, reef site, depth, exposure and number of fish species noted interacting with each sponge.

Sponge species	Site	Date	Exposure	Depth (m)	Footage (min/sec)	Fish spp. (n)
<i>Coelocarteria singaporensis</i>	Matane Walindi	28/06/2019	Windward	-	25:03	10
<i>Coelocarteria singaporensis</i>	Gava Gava	21/06/2019	Windward	9.6	31:08	10
<i>Coelocarteria singaporensis</i>	Matane Huva	22/06/2019	Windward	4.1	23:00	6
<i>Coelocarteria singaporensis</i>	Restorff Island	24/06/2019	Windward	7.5	30:03	8
<i>Coelocarteria singaporensis</i>	Rakaru Diri	29/06/2019	Windward	10.1	31:18	9
<i>Coelocarteria singaporensis</i>	Rakaru Diri	29/06/2019	Windward	10.3	24:46	5
<i>Cribrochalina sp.</i>	Hanging Gardens ^a	20/06/2019	Windward	7.9	30:51	5
<i>Cribrochalina sp.</i>	Hanging Gardens ^a	21/06/2019	Windward	10.6	31:18	12
<i>Cribrochalina sp.</i>	Hanging Gardens ^a	22/06/2019	Windward	10.1	30:12	17
<i>Cribrochalina sp.</i>	Hanging Gardens ^a	23/06/2019	Windward	4.7	30:02	15
<i>Cribrochalina sp.</i>	Hanging Gardens ^a	28/06/2019	Windward	9.9	30:02	4
<i>Ianthella basta</i>	Restorff Island ^b	17/06/2019	Windward	13.6	21:05	3
<i>Ianthella basta</i>	Restorff Island ^b	24/06/2019	Windward	17.5	32:18	3
<i>Ianthella basta</i>	Restorff Island ^b	25/06/2019	Windward	19.5	25:51	2
<i>Ianthella basta</i>	Restorff Island ^b	30/06/2019	Windward	11.5	30:00	5
<i>Xestospongia testudinaria</i>	Restorff Island	16/06/2019	Windward	24.5	22:28	4
<i>Xestospongia testudinaria</i>	Restorff Island	17/06/2019	Windward	11.5	23:05	16
<i>Xestospongia testudinaria</i>	Rakaru Diri	29/06/2019	Windward	5.0	30:02	10
<i>Xestospongia testudinaria</i>	Matane Walindi	14/06/2019	Windward	10.0	19:23	2
<i>Xestospongia testudinaria</i>	Restorff Island	15/06/2019	Windward	8.9	24:10	3

^a *Cribrochalina sp.* were predominantly located upon windward walls of reef sites. While present upon all sites examined, they were most prolific at Hanging Gardens.

^b *Ianthella basta* were present upon all reef sites, however, on the near shore reefs they occurred at depth ($\geq 25\text{m}$), beyond the depth ranges stipulated by James Cook University's Boating and Diving regulations.

Supplementary Table 3. Details regarding selectivity indices for each fish species at each site (prior to pooling) for the five overarching substrate categories. (Non-living, Macroalgae, Hard Coral, Soft Coral and Sponges). Fish species is defined above each table (A-J). The index relates the relationship between the percentage availability of habitat (A) compared to the proportion of habitat use (U). IV represents the selectivity indices. Positive values indicate association, negative values indicate avoidance. – indicates that the fish species were not recorded at that site, in these instances site specific selectivity indices could not be calculated.

A) *Eviota atriventus*

Site	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	39.39	-0.356	5.08	0	-	30.58	33.33	0.043	7.58	0	-	8.25	27.27	0.535
<i>Matane</i>	43.00	21.6	-0.209	16.66	0	-	34.75	75.67	0.371	0.83	0	-	10.5	0.02	-0.996
<i>Huva</i>															
<i>Rakaru</i>	30.58	28.12	0.061	6.33	0	-	43.08	31.25	-0.159	1.25	0	-	9.33	40.6	0.626
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	34.6	-0.048	20.91	23.1	0.049	19.66	34.6	0.275	10.41	0	-	23.58	7.6	-0.512
<i>Limuka</i>	36.83	15.1	-0.108	18.00	6.06	-0.496	23.25	39.39	0.257	8.41	33.33	0.597	13.5	6.06	-0.380
<i>Matane</i>	19.50	29.6	0.673	17.58	3.7	-0.652	41.5	44.4	0.034	4.16	0	-	14.75	22.2	0.201
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	100	-1.000	11.00	0	-	31.9	0	-	3.91	0	-	15.08	0	-1.00

B) *Eviota rubrisparsa*

Site	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	0.00	-1.00	5.08	0	-1.00	30.58	0	-1.00	7.58	0	-1.00	8.25	0	-1.00
<i>Matane</i>	43.00	8.69	-0.663	16.66	4.34	-0.586	34.75	76.08	0.373	0.83	0	-1.00	10.5	10.86	0.016
<i>Huva</i>															
<i>Rakaru</i>	30.58	18.18	-0.254	6.33	0	-1.00	43.08	45.45	0.027	1.25	0	-1.00	9.33	36.36	0.591
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	14.2	-0.077	20.91	0	-1.00	19.66	85.71	0.626	10.41	0	-1.00	23.58	0	-1.00
<i>Limuka</i>	36.83	14.28	-0.441	18.00	0	-1.00	23.25	71.42	0.508	8.41	0	-1.00	13.5	14.28	0.028
<i>Matane</i>	19.50	25.00	0.123	17.58	0	-1.00	41.5	68.75	0.247	4.16	0	-1.00	14.75	6.25	-0.404
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	0.00	-1.00	11.00	0	-1.00	31.9	0	-1.00	3.91	0	-1.00	15.08	0	-1.00

C) *Pleurosicya elongata*

<i>Site</i>	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	-	-	5.08	-	-	30.58	-	-	7.58	-	-	8.25	-	-
<i>Matane</i>	43.00	-	-	16.66	-	-	34.75	-	-	0.83	-	-	10.5	-	-
<i>Huva</i>															
<i>Rakaru</i>	30.58	-	-	6.33	-	-	43.08	-	-	1.25	-	-	9.33	-	-
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	-	-	20.91	-	-	19.66	-	-	10.41	-	-	23.58	-	-
<i>Limuka</i>	36.83	-	-	18.00	-	-	23.25	-	-	8.41	-	-	13.5	-	0.762
<i>Matane</i>	19.50	-	-	17.58	-	-	41.5	-	-	4.16	-	-	14.75	-	-
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	0.00	-1.00	11.00	0.00	-1.00	31.9	0.00	-1.00	3.91	0.00	-1.00	15.08	100.00	0.737

D) *Escenius prooculis*

<i>Site</i>	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	10.00	-0.639	5.08	36.36	0.754	30.58	16.6	-0.296	7.58	0.00	-1.00	8.25	36.6	0.632
<i>Matane</i>	43.00	0.00	-1.00	16.66	0.00	-1.00	34.75	60.00	0.266	0.83	0.00	-1.00	10.5	40.00	0.584
<i>Huva</i>															
<i>Rakaru</i>	30.58	33.33	0.043	6.33	0.00	-1.00	43.08	0.00	-1.00	1.25	0.00	-1.00	9.33	66.6	0.754
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	44.4	0.456	20.91	0.00	-1.00	19.66	11.10	-0.278	10.41	0.00	-1.00	23.58	44.4	0.306
<i>Limuka</i>	36.83	30.7	-0.090	18.00	7.69	-0.401	23.25	46.10	0.329	8.41	0.00	-1.00	13.5	15.38	0.065
<i>Matane</i>	19.50	14.6	-0.143	17.58	24.4	0.162	41.5	34.14	-0.097	4.16	0.00	-1.00	14.75	26.82	0.290
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	8.57	-0.592	11.00	34.28	0.514	31.9	8.57	-0.576	3.91	0.00	-1.00	15.08	45.71	0.503

E) *Amblyglyphidodon aureus*

<i>Site</i>	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	-	-	5.08	-	-	30.58	-	-	7.58	-	-	8.25	-	-
<i>Matane</i>	43.00	14.28	-0.501	16.66	0	-1.00	34.75	0.00	-1.00	0.83	0.00	-1.00	10.5	85.72	0.781
<i>Huva</i>															
<i>Rakaru</i>	30.58	-	-	6.33	-	-	43.08	-	-	1.25	-	-	9.33	-	-
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	10.20	-0.238	20.91	4.08	-0.673	19.66	12.24	-0.232	10.41	30.60	0.492	23.58	36.70	0.217
<i>Limuka</i>	36.83	21.73	-0.257	18.00	17.39	-0.017	23.25	4.34	-0.685	8.41	13.04	0.215	13.5	43.47	0.526
<i>Matane</i>	19.50	0.00		17.58	0.00	-1.00	41.5	0.00	-1.00	4.16	0.00	-1.00	14.75	0.00	-1.00
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	0.00		11.00	0.00	-1.00	31.9	0.00	-1.00	3.91	0.00	-1.00	15.08	0.00	-1.00

F) *Chromis retrofasciata*

<i>Site</i>	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	0.00	-1.00	5.08	0.00	-1.00	30.58	100.00	0.531	7.58	0.00	-1.00	8.25	0.00	-1.00
<i>Matane</i>	43.00	7.14	-0.715	16.66	0.00	-1.00	34.75	85.70	0.422	0.83	0.00	-1.00	10.5	7.14	-0.190
<i>Huva</i>															
<i>Rakaru</i>	30.58	-	-	6.33	-	-	43.08	-	-	1.25	-	-	9.33	-	-
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	7.40	-0.382	20.91	7.40	-0.477	19.66	37.03	0.306	10.41	18.50	0.279	23.58	29.60	0.113
<i>Limuka</i>	36.83	41.30	0.057	18.00	6.50	-0.469	23.25	30.43	0.133	8.41	6.52	-0.126	13.5	13.04	-0.017
<i>Matane</i>	19.50	16.66	-0.078	17.58	0.00	-1.00	41.5	71.42	0.264	4.16	0.00	-1.00	14.75	11.90	-0.106
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	32.14	-0.020	11.00	3.57	-0.509	31.9	60.71	0.311	3.91	0.00	-1.00	15.08	3.57	-0.617

G) *Pomacentrus nigromanus*

<i>Site</i>	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	0.00	-1.00	5.08	29.41	0.705	30.58	29.41	-0.019	7.58	0.00	-1.00	8.25	41.47	0.668
<i>Matane</i>	43.00	0.00	-1.00	16.66	0.00	-1.00	34.75	58.06	0.251	0.83	0.00	-1.00	10.5	41.93	0.599
<i>Huva</i>															
<i>Rakaru</i>	30.58	10.00	-0.507	6.33	0.00	-1.00	43.08	64.00	0.195	1.25	2.00	0.230	9.33	24.00	0.440
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	21.05	0.118	20.91	0.00	-1.00	19.66	5.26	-0.577	10.41	26.31	0.433	23.58	47.36	0.335
<i>Limuka</i>	36.83	7.60	-0.657	18.00	15.38	-0.078	23.25	3.84	-0.716	8.41	30.70	0.569	13.5	42.30	0.516
<i>Matane</i>	19.50	6.67	-0.490	17.58	0.00	-1.00	41.5	13.33	-0.513	4.16	16.66	0.599	14.75	63.33	0.622
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	0.00	-1.00	11.00	0.00	-1.00	31.9	0.00	-1.00	3.91	0.00	-1.00	15.08	0.00	-1.00

H) *Halichoerus melanurus*

<i>Site</i>	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	33.30	-0.154	5.08	0.00	-1.00	30.58	50.00	0.241	7.58	0.00	-1.00	8.25	16.60	0.336
<i>Matane</i>	43.00	18.10	-0.407	16.66	0.00	-1.00	34.75	63.60	0.293	0.83	0.00	-1.00	10.5	18.10	0.265
<i>Huva</i>															
<i>Rakaru</i>	30.58	7.69	-0.598	6.33	0.00	-1.00	43.08	46.10	0.033	1.25	0.00	-1.00	9.33	46.10	0.663
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	18.75	0.061	20.91	6.25	-0.539	19.66	43.75	0.379	10.41	12.50	0.091	23.58	18.75	-0.114
<i>Limuka</i>	36.83	36.80	-0.001	18.00	0.00	-1.00	23.25	26.30	0.061	8.41	21.00	0.428	13.5	15.70	0.075
<i>Matane</i>	19.50	37.50	0.315	17.58	0.00	-1.00	41.5	41.60	0.001	4.16	0.00	-1.00	14.75	25.00	0.257
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	16.60	-0.337	11.00	0.00	-1.00	31.9	16.60	-0.315	3.91	0.00	-1.00	15.08	0.00	-1.00

I) *Chaetodon kleinii*

<i>Site</i>	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	-	-	5.08	-	-	30.58	-	-	7.58	-	-	8.25	-	-
<i>Matane</i>	43.00	-	-	16.66	-	-	34.75	-	-	0.83	-	-	10.5	-	-
<i>Huva</i>															
<i>Rakaru</i>	30.58	-	-	6.33	-	-	43.08	-	-	1.25	-	-	9.33	-	-
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	0.00	-1.00	20.91	0.00	-1.00	19.66	25.00	0.119	10.41	0.00	-1.00	23.58	75.00	0.521
<i>Limuka</i>	36.83	25.00	-0.191	18.00	0.00	-1.00	23.25	37.50	0.234	8.41	0.00	-1.00	13.5	37.50	0.470
<i>Matane</i>	19.50	-	-	17.58	-	-	41.5	-	-	4.16	-	-	14.75	-	-
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	0.00	-1.00	11.00	0.00	-1.00	31.9	57.14	0.283	3.91	0.00	-1.00	15.08	100.00	0.737

J) *Coradion chrysozonus*

<i>Site</i>	Non-Living (A)	Non-Living (U)	IV Non-living	Macroalgae (A)	Macroalgae (U)	IV Macroalgae	Hard Coral (A)	Hard Coral (U)	IV Hard coral	Soft Coral (A)	Soft Coral (U)	IV Soft Coral	Sponge (A)	Sponge (U)	IV Sponge
<i>Gava Gava</i>	45.50	-	-	5.08	-	-	30.58	-	-	7.58	-	-	8.25	-	-
<i>Matane</i>	43.00	-	-	16.66	-	-	34.75	-	-	0.83	-	-	10.5	-	-
<i>Huva</i>															
<i>Rakaru</i>	30.58	-	-	6.33	-	-	43.08	-	-	1.25	-	-	9.33	-	-
<i>Diri</i>															
<i>Hanging Gardens</i>	16.58	-	-	20.91	-	-	19.66	-	-	10.41	-	-	23.58	-	-
<i>Limuka</i>	36.83	0.00	-1.00	18.00	0.00	-1.00	23.25	0.00	-1.00	8.41	0.00	-1.00	13.5	100.00	0.762
<i>Matane</i>	19.50	-	-	17.58	-	-	41.5	-	-	4.16	-	-	14.75	-	-
<i>Walindi</i>															
<i>Restorff Island</i>	33.50	0.00	-1.00	11.00	0.00	-1.00	31.9	0.00	-1.00	3.91	0.00	-1.00	15.08	100.00	0.737

Supplementary Table 4. Details regarding selectivity indices for each fish species at each site (prior to pooling, where appropriate) for specific sponge species. The index relates the relationship between the percentage availability of habitat (A) compared to the proportion of habitat use (U). IV represents the selectivity indices. Positive values indicate association, negative values indicate avoidance. – indicates that the fish species were not recorded at that site, in these instances site specific selectivity indices could not be calculated. Sponge species are abbreviated as follows: *Crib* = *Cribrochalina* sp., *Coel* = *Coelocarteria singaporensis*, *Hali* = *Haliclona* sp., *Hyrtios* = *Hyrtios* sp., *Ianthella basta* = *Ianthella basta*, *Melo* = *Melophlus sarasinorum*, *Sphe* = *Spheciospongia* sp., *Xest* = *Xestospongia testudinaria*, Enc Sponge spp. = Encrusting sponge species.

A) *Pleurosicya elongata*

Site	<i>Ianthella basta</i> (A)	<i>Ianthella basta</i> (U)	IV <i>Ianthella basta</i>	Other Sponge spp. (A)	Other Sponge spp. (U)	IV Other Sponge spp.
Gava Gava	-	-	-	-	-	-
Matane Huva	-	-	-	-	-	-
Rakaru Dir	-	-	-	-	-	-
Hanging Gardens	-	-	-	-	-	-
Limuka	-	-	-	-	-	-
Matane Walindi	-	-	-	-	-	-
Restorff Island	0.25	100.00	-1.00	-		-

B) *Escenius prooculis*

Site	<i>Melo</i> (A)	<i>Melo</i> (U)	IV <i>Melo</i>	<i>Crib</i> sp.(A)	<i>Crib</i> sp.(U)	IV <i>Crib</i> sp.	<i>Xest</i> (A)	<i>Xest</i> (U)	IV <i>Xest</i>	<i>Coel</i> (A)	<i>Coel</i> (U)	IV <i>Coel</i>	<i>Sphe</i> (A)	<i>Sphe</i> (U)	IV <i>Sphe</i>
Gava Gava	-	-	-	-	-	-	0.08	13.79	0.988	1.58	0.00	-1.00	0.41	0.00	-
Matane Huva	0.25	0.00	-	2.83	20.00	-0.752	-	-	-	0.66	0.00	-1.00	0.75	0.00	-
Rakaru Dir	0.00*	33.00	-	0.08	0.00	-1.00	0.41	33.00	0.975	0.83	0.00	-1.00	0.50	0.00	-
Hanging Gardens	0.00*	18.80	-	10.18	0.00	-1.00	0.63	0.00	-1.00	0.45	0.00	-1.00	0.36	18.80	-
Limuka	-	-	-	2.41	0.00	-1.00	0.08	0.00	-1.00	0.16	0.00	-1.00	5.71	0.00	0.762
Matane Walindi	0.08	5.26	-	1.91	0.00	-1.00	0.41	0.00	-1.00	1.91	2.63	0.158	-	-	-
Restorff Island	0.50	2.27	-1.00	-	-	-	0.67	0.00	-1.00	0.83	2.27	0.462	1.00	0.00	0.737

Site	Styl (A)	Styl (B)	IV Styl	Enc Sponge spp. (A)	Enc Sponge spp. (U)	IV Enc Sponge spp.
Gava Gava	0.33	0.00	-1.00	2.90	24.13	0.785
Matane Huva	0.16	0.00	-1.00	2.80	20.00	0.754
Rakaru Dir	0.08	0.00	-1.00	5.40	0.00	-1.00
Hanging Gardens	0.54	0.00	-1.00	6.43	0.00	-1.00
Limuka	0.16	0.00	-1.00	4.15	15.38	0.575
Matane Walindi	0.08	2.61	0.940	6.89	0.00	-1.00
Restorff Island	0.08	0.00	-1.00	8.41	27.27	0.528

C) *Amblyglyphidodon aureus*

<i>Site</i>	<i>Crib sp.(A)</i>	<i>Crib sp.(U)</i>	<i>IV Crib sp.</i>	<i>Hyrtios sp. (A)</i>	<i>Hyrtios sp. (U)</i>	<i>IV Hyrtios sp.</i>	<i>Hali sp. (A)</i>	<i>Hali sp. (U)</i>	<i>IV Hali sp.</i>	<i>Xest (A)</i>	<i>Xest (U)</i>	<i>IV Xest</i>
<i>Gava Gava</i>	-	-	-	0.25	0.00	-1.00	-	-	-	0.08	0.00	-1.00
<i>Matane Huva</i>	2.80	28.57	0.819	-	-	-	-	-	-	-	-	-
<i>Rakaru Diri</i>	0.08	0.00	-1.00	0.50	0.00	-1.00	-	-	-	0.41	0.00	-1.00
<i>Hanging Gardens</i>	10.18	31.25	0.508	0.45	2.08	0.644	0.45	0.00	-1.00	0.63	2.08	0.535
<i>Limuka</i>	2.41	26.08	0.830	0.16	0.00	-1.00	1.08	21.73	0.905	0.08	0.00	-1.00
<i>Matane Walindi</i>	1.91	0.00	-1.00	0.66	0.00	-1.00	-	-	-	0.41	0.00	-1.00
<i>Restorff Island</i>	-	-	-	0.58	0.00	-1.00	-	-	-	0.67	0.00	-1.00

<i>Site</i>	<i>Enc Sponge spp. (A)</i>	<i>Enc Sponge spp. (U)</i>	<i>IV Enc Sponge spp.</i>
<i>Gava Gava</i>	2.90	0.00	-1.00
<i>Matane Huva</i>	2.80	42.85	0.877
<i>Rakaru Diri</i>	5.40	0.00	-1.00
<i>Hanging Gardens</i>	6.43	0.00	-1.00
<i>Limuka</i>	4.15	0.00	-1.00
<i>Matane Walindi</i>	6.89	0.00	-1.00
<i>Restorff Island</i>	8.41	0.00	-1.00

D) *Pomacentrus nigromanus*

<i>Site</i>	<i>Crib sp.(A)</i>	<i>Crib sp.(U)</i>	<i>IV Crib sp.</i>	<i>Hyrtios sp. (A)</i>	<i>Hyrtios sp. (U)</i>	<i>IV Hyrtios sp.</i>	<i>Hali sp. (A)</i>	<i>Hali sp. (U)</i>	<i>IV Hali sp.</i>	<i>Coel (A)</i>	<i>Coel (U)</i>	<i>IV Coel</i>
<i>Gava Gava</i>	-	-	-	0.25	0.00	-1.00	-	-	-	1.58	41.00	0.925
<i>Matane Huva</i>	2.80	43.33	0.877	-	-	-	-	-	-	0.66	0.00	-1.00
<i>Rakaru Diri</i>	0.08	6.12	0.974	0.50	0.00	-1.00	-	-	-	0.83	4.08	0.662
<i>Hanging Gardens</i>	10.18	15.70	0.213	0.45	0.00	-1.00	0.45	0.00	-1.00	0.45	0.00	-1.00
<i>Limuka</i>	2.41	29.62	0.849	0.16	0.00	-1.00	1.08	7.40	0.745	0.16	7.40	0.957
<i>Matane Walindi</i>	1.91	6.45	0.543	0.66	12.90	0.902	-	-	-	1.91	29.03	0.876
<i>Restorff Island</i>	-	-	-	0.58	0.00	-1.00	-	-	-	0.83	21.10	0.924

<i>Site</i>	<i>Xest (A)</i>	<i>Xest (U)</i>	<i>IV Xest</i>	<i>X. ex (A)</i>	<i>X. ex (U)</i>	<i>IV X.ex</i>	<i>Enc Sponge spp. (A)</i>	<i>Enc Sponge spp. (U)</i>	<i>IV Enc Sponge spp.</i>
<i>Gava Gava</i>	0.08	0.00	-1.00	0.33	0.00	-1.00	2.90	0.00	-1.00
<i>Matane Huva</i>	-	-	-	0.08	0.00	-1.00	2.80	0.00	-1.00
<i>Rakaru Diri</i>	0.41	2.04	0.665	0.16	0.00	-1.00	5.40	4.08	-0.139
<i>Hanging Gardens</i>	0.63	0.00	-1.00	0.18	0.00	-1.00	6.43	31.66	0.662
<i>Limuka</i>	0.08	0.00	-1.00	0.16	0.00	-1.00	4.15	0.00	-1.00
<i>Matane Walindi</i>	0.41	0.00	-1.00	0.58	0.00	-1.00	6.89	12.90	0.303
<i>Restorff Island</i>	0.67	5.63	0.788	0.83	5.63	0.742	8.41	0.00	-1.00

E) *Halichoerus melanurus*

<i>Site</i>	<i>Crib sp.(A)</i>	<i>Crib sp.(U)</i>	<i>IV Crib sp.</i>	<i>Hali sp. (A)</i>	<i>Hali sp. (U)</i>	<i>IV Hali sp.</i>	<i>Coel (A)</i>	<i>Coel (U)</i>	<i>IV Coel</i>	<i>Xest (A)</i>	<i>Xest (U)</i>	<i>IV Xest</i>
<i>Gava Gava</i>	-	-	-	-	-	-	1.58	11.11	0.750	0.08	0.00	-1.00
<i>Matane Huva</i>	2.80	9.09	0.525	-	-	-	0.66	0.00	-1.00	-	-	-
<i>Rakaru Diri</i>	0.08	0.00	-1.00	-	-	-	0.83	7.69	0.805	0.41	15.38	0.948
<i>Hanging Gardens</i>	10.18	0.00	-1.00	0.45	0.00	-1.00	0.45	12.50	0.930	0.63	0.00	-1.00
<i>Limuka</i>	2.41	10.5	0.626	1.08	5.26	0.659	0.16	0.00	-1.00	0.08	0.00	-1.00
<i>Matane Walindi</i>	1.91	0.00	-1.00	-	-	-	1.91	27.77	0.871	0.41	0.00	-1.00
<i>Restorff Island</i>	-	-		-	-	-	0.83	7.69	0.804	0.67	15.38	0.916

<i>Site</i>	<i>Melo (A)</i>	<i>Melo (U)</i>	<i>IV Melo</i>	<i>Ianthella basta (A)</i>	<i>Ianthella basta (U)</i>	<i>IV Ianthella basta</i>	<i>X. ex (A)</i>	<i>X. ex (U)</i>	<i>IV X.ex</i>	<i>Enc Sponge spp. (A)</i>	<i>Enc Sponge spp. (U)</i>	<i>IV Enc Sponge spp.</i>
<i>Gava Gava</i>	-	-	-	-	-	-	0.33	0.00	-1.00	2.90	5.55	0.313
<i>Matane Huva</i>	0.25	9.09	0.946	-	-	-	0.08	0.00	-1.00	2.80	0.00	-1.00
<i>Rakaru Diri</i>	0.00*	0.00	-	0.00*	7.69	1.00	0.16	0.00	-1.00	5.40	0.00	-1.00
<i>Hanging Gardens</i>	0.00*	0.00	-	-	-	-	0.18	0.00	-1.00	6.43	0.00	-1.00
<i>Limuka</i>	-			-	-	-	0.16	0.00	-1.00	4.15	0.00	-1.00
<i>Matane Walindi</i>	0.08	11.11	0.985	-	-	-	0.58	0.00	-1.00	6.89	0.00	-1.00
<i>Restorff Island</i>	0.50	0.00	-1.00	0.25	100.00	-1.00	0.83	23.7	0.932	8.41	0.00	-1.00

F) *Chaetodon kleinii*

<i>Site</i>	<i>Crib sp.(A)</i>	<i>Crib sp.(U)</i>	<i>IV Crib sp.</i>	<i>Coel (A)</i>	<i>Coel (U)</i>	<i>IV Coel</i>
<i>Gava Gava</i>	-	-	-	1.58	0.00	-1.00
<i>Matane Huva</i>	2.80	0.00	-1.00	0.66	0.00	-1.00
<i>Rakaru Diri</i>	0.08	0.00	-1.00	0.83	0.00	-1.00
<i>Hanging Gardens</i>	10.18	75.00	0.760	0.45	0.00	-1.00
<i>Limuka</i>	2.41	37.50	0.879	0.16	0.00	-1.00
<i>Matane Walindi</i>	1.91	0.00	-1.00	1.91	0.00	-1.00
<i>Restorff Island</i>	-	-		0.83	28.50	0.833

G) *Coradion chrysozonus*

<i>Site</i>	<i>Crib sp.(A)</i>	<i>Crib sp.(U)</i>	<i>IV Crib sp.</i>	<i>Hali sp. (A)</i>	<i>Hali sp. (U)</i>	<i>IV Hali sp.</i>	<i>Xest (A)</i>	<i>Xest (U)</i>	<i>IV Xest</i>	<i>Enc Sponge spp. (A)</i>	<i>Enc Sponge spp. (U)</i>	<i>IV Enc Sponge spp.</i>
<i>Gava Gava</i>	-	-	-	-	-	-	0.08	0.00	-1.00	2.90	0.00	-1.00
<i>Matane Huva</i>	2.80	0.00	-1.00	-	-	-	-	-	-	2.80	0.00	-1.00
<i>Rakaru Diri</i>	0.08	0.00	-1.00	-	-	-	0.41	0.00	-1.00	5.40	0.00	-1.00
<i>Hanging Gardens</i>	10.18	0.00	-1.00	0.45	0.00	-1.00	0.63	0.00	-1.00	6.43	0.00	-1.00
<i>Limuka</i>	2.41	16.6	0.746	1.08	16.6	0.877	0.08	0.00	-1.00	4.15	0.00	-1.00
<i>Matane Walindi</i>	1.91	0.00	-1.00	-	-	-	0.41	0.00	-1.00	6.89	0.00	-1.00
<i>Restorff Island</i>	-	-		-	-	-	0.67	33.30	0.667	8.41	0.596	0.596