

Table S7. Summary of SIMPER results for parrotfishes biomass data collected in 2018.

Average abundance (estandarized biomass) of species between location were significant differences were found, the average dissimilarity (Av.Diss), their contribution (Contrib%) to the within-group dissimilarity, and the cumulative total (Cum.%) of contributions (90% cut-off). Sex is detailed in the corresponding SIMPER summary (M: Males; F: Females)

SPECIES BIOMASS 2018

Locality	Average abundance		Av. Diss	SD	Contrib%	Cum.%
	ALB	SA				
<i>Scarus taeniopterus</i>	0.8	0.48	6.65	1.59	17.98	17.98
<i>Sparisoma viride</i>	0.65	0.45	5.92	1.51	16	33.98
<i>Scarus vetula</i>	0.23	0.2	4.96	1.35	13.41	47.39
<i>Scarus iseri</i>	0.21	0.33	3.47	1.32	9.39	56.78
<i>Sparisoma rubripinne</i>	0.13	0.06	3.34	0.87	9.03	65.82
<i>Sparisoma aurofrenatum</i>	0.36	0.43	3.27	1.17	8.85	74.67
<i>Sparisoma chrysopterus</i>	0.09	0.12	3.21	1.05	8.67	83.34
<i>Scarus iseri/taeniopterus</i>	0.17	0.08	3.11	1.34	8.4	91.74
	BOL	SA				
<i>Scarus vetula</i>		0.2	6	1.36	17.62	17.62
<i>Scarus taeniopterus</i>	0.32	0.48	5.9	1.47	17.32	34.94
<i>Sparisoma viride</i>	0.61	0.45	5.19	1.47	15.24	50.18
<i>Sparisoma aurofrenatum</i>	0.33	0.43	3.28	1.28	9.63	59.82
<i>Scarus coelestinus</i>	0.07	0.06	2.8	0.43	8.23	68.05
<i>Sparisoma chrysopterus</i>	0.04	0.12	2.74	0.99	8.05	76.1
<i>Scarus iseri</i>	0.29	0.33	2.65	1.34	7.77	83.87
<i>Sparisoma rubripinne</i>	0.09	0.06	2.57	0.76	7.55	91.42
	SA	PRO				
<i>Scarus taeniopterus</i>	0.48	0.26	5.92	1.75	15.82	15.82
<i>Scarus vetula</i>	0.2	0.22	4.84	1.37	12.93	28.75
<i>Sparisoma viride</i>	0.45	0.64	4.81	1.31	12.86	41.6
<i>Scarus coelestinus</i>	0.06	0.13	3.81	0.61	10.2	51.8
<i>Sparisoma aurofrenatum</i>	0.43	0.35	3.54	1.32	9.46	61.26
<i>Sparisoma chrysopterus</i>	0.12	0.1	3.48	0.85	9.3	70.55
<i>Scarus iseri</i>	0.33	0.22	3.08	1.46	8.23	78.78
<i>Scarus coeruleus</i>	0	0.14	3.04	0.54	8.12	86.9
<i>Sparisoma rubripinne</i>	0.06	0.04	1.81	0.68	4.85	91.75

SPECIES (SEX) BIOMASS 2018

	ALB	SA				
<i>Sparisoma viride</i> (M)	0.43	0.23	5.9	1.49	14.5	14.5
<i>Scarus taeniopterus</i> (F)	0.21	0.39	4.57	1.7	11.23	25.74
<i>Scarus taeniopterus</i> (M)	0.16	0.29	3.7	1.37	9.09	34.83
<i>Sparisoma viride</i> (F)	0.43	0.37	3.4	1.3	8.38	43.21
<i>Scarus vetula</i> (F)	0.2	0.16	3.39	1.2	8.35	51.56
<i>Scarus iseri</i> (F)	0.11	0.27	3.16	1.64	7.77	59.33
<i>Sparisoma aurofrenatum</i> (F)	0.24	0.36	2.84	1.24	6.99	66.32
<i>Sparisoma rubripinne</i>	0.13	0.06	2.7	0.87	6.64	72.96
<i>Sparisoma chrysopterus</i>	0.09	0.12	2.58	1.05	6.35	79.31
<i>Scarus iseri/taeniopterus</i>	0.17	0.08	2.53	1.35	6.22	85.54
<i>Sparisoma aurofrenatum</i> (M)	0.26	0.27	2.04	1.28	5.02	90.56
	BOL	SA				
<i>Sparisoma viride</i> (M)	0.34	0.23	4.92	1.4	13.63	13.63
<i>Scarus taeniopterus</i> (F)	0.24	0.39	4.2	1.4	11.63	25.26
<i>Scarus vetula</i> (M)	0.21	0.07	3.77	1.09	10.44	35.7
<i>Scarus vetula</i> (F)	0.17	0.16	3.34	1.2	9.26	44.96
<i>Scarus taeniopterus</i> (M)	0.2	0.29	3.19	1.5	8.84	53.8

<i>Sparisoma viride</i> (F)	0.46	0.37	3.15	1.21	8.73	62.53
<i>Sparisoma aurofrenatum</i> (F)	0.25	0.36	2.37	1.26	6.57	69.1
<i>Sparisoma chrysopterum</i>	0.04	0.12	2.17	0.99	6.02	75.12
<i>Sparisoma rubripinne</i>	0.09	0.06	2.14	0.72	5.94	81.06
<i>Scarus iseri</i> (F)	0.22	0.27	1.95	1.23	5.41	86.46
<i>Sparisoma aurofrenatum</i> (M)	0.23	0.27	1.69	1.34	4.69	91.15
	SA	PRO				
<i>Sparisoma viride</i> (M)	0.23	0.47	5.01	1.42	14.43	14.43
<i>Scarus taeniopterus</i> (F)	0.39	0.21	3.99	1.76	11.49	25.92
<i>Sparisoma viride</i> (F)	0.37	0.49	3.71	1.35	10.66	36.58
<i>Scarus taeniopterus</i> (M)	0.29	0.18	3.08	1.4	8.87	45.46
<i>Scarus vetula</i> (F)	0.16	0.16	3.08	1.16	8.86	54.31
<i>Sparisoma chrysopterum</i>	0.12	0.11	2.96	0.87	8.53	62.84
<i>Scarus vetula</i> (M)	0.07	0.15	2.81	1.1	8.08	70.93
<i>Sparisoma aurofrenatum</i> (F)	0.36	0.28	2.35	1.22	6.78	77.7
<i>Scarus iseri</i> (F)	0.27	0.18	1.88	1.28	5.42	83.12
<i>Sparisoma aurofrenatum</i> (M)	0.27	0.25	1.66	1.33	4.77	87.88
<i>Sparisoma rubripinne</i>	0.06	0.05	1.55	0.68	4.45	92.33