

SUPPLEMENTARY MATERIAL

Table 2 - Number of vehicles/30min on the beaches of Cumbuco, Icaraí, Futuro, Sabiaguaba and Canto Verde

Vehicles/30min								
Beach	Mean	Median	Standard Deviation	Standard Error	Maximun	Minimun	p.25	p.75
Cumbuco	0.33	0	0.52	0.21	1	0	0	0.75
Icaraí	2.17	2.5	1.47	0.60	4	0	1.25	3.00
Futuro	0.67	0	1.03	0.42	2	0	0	1.5
Sabiaguaba	7.50	7.5	6.65	2.72	17	0	2.00	11.5
Canto Verde	1.17	0.5	1.60	0.65	4	0	0	1.75

Beachgoers								
Beach	Mean	Median	Standard Deviation	Standard Error	Maximun	Minimun	p.25	p.75
Cumbuco	126.83	113	112.33	45.86	273	10	32.25	213.25
Icaraí	70.50	65	30.60	12.49	115	37	48	90.25
Futuro	163.33	168	57.44	23.45	236	93	116.25	204
Sabiaguaba	18.67	18	16.39	6.69	41	0	5.5	29.75
Canto Verde	19.33	20	9.29	3.79	34	9	12	22.75

Table 3 - Dunn's *post-hoc* test for the number of beachgoers between the beaches of Cumbuco, Icaraí, Futuro, Sabiaguaba and Canto Verde

Dunn's Post-hoc Test (Beachgoers)						
Group 1	Group 2	n1	n2	statistic	p	p adj.
Canto Verde	Cumbuco	6	6	2.31	2.07e-2	0.207
Canto Verde	Futuro	6	6	3.38	7.26e-4	0.007
Canto Verde	Icaraí	6	6	2.17	3.04e-2	0.304
Canto Verde	Sabiaguaba	6	6	0.0164	9.87e-1	1
Cumbuco	Futuro	6	6	1.07	2.86e-1	1
Cumbuco	Icaraí	6	6	-0.148	8.83e-1	1
Cumbuco	Sabiaguaba	6	6	-2.30	2.16e-2	0.216
Futuro	Icaraí	6	6	-1.2	2.25e-1	1
Futuro	Sabiaguaba	6	6	-3.36	7.71e-4	0.008
Icaraí	Sabiaguaba	6	6	-2.15	3.16e-2	0.316

Table 4 - Dunn's *post-hoc* test for the number of vehicles between the beaches of Cumbuco, Icaraí, Futuro, Sabiaguaba and Canto Verde

Dunn's Post-hoc Test (Vehicles)						
Group 1	Group 2	n1	n2	statistic	p	p adj.
Canto Verde	Cumbuco	6	6	-0.790	0.430	1
Canto Verde	Futuro	6	6	-0.481	0.631	1
Canto Verde	Icaraí	6	6	1.13	0.257	1
Canto Verde	Sabiaguaba	6	6	1.85	0.0637	0.637
Cumbuco	Futuro	6	6	0.309	0.757	1
Cumbuco	Icaraí	6	6	1.92	0.0545	0.545
Cumbuco	Sabiaguaba	6	6	2.64	0.00819	0.0819
Futuro	Icaraí	6	6	1.61	0.107	1
Futuro	Sabiaguaba	6	6	2.34	0.0195	0.195
Icaraí	Sabiaguaba	6	6	0.721	0.471	0.471

Table 5 - Mean, Median, Standard Deviation, Maximum, Minimum, 2nd quartile and 4th quartile of the abundance of burrows/50m² of *Ocypode quadrata* on the beaches of Cumbuco, Icaraí, Futuro, Sabiaguaba and Canto Verde

Abundance (Burrows/50m ²)								
Beach	Mean	Median	Standard Deviation	Standard Error	Maximun	Minimun	p.25	p.75
Cumbuco	0.37	0	0.57	0.12	2	0	0	1
Icaraí	0.31	0	0.60	0.15	2	0	0	0.25
Futuro	0.64	0	1.20	0.20	5	0	0	1
Sabiaguaba	0.96	0	1.37	0.28	5	0	0	2
Canto Verde	0.68	0	1.39	0.14	9	0	0	1

Table 6 - Mean, Median, Standard Deviation, Maximum, Minimum, 2nd quartile and 4th quartile of the diameter of the burrows (mm) of *Ocypode quadrata* on the beaches of Cumbuco, Icaraí, Futuro, Sabiaguaba and Canto Verde

Diamater of burrows (mm)								
Beach	Mean	Median	Standard Deviation	Standard Error	Maximun	Minimun	p.25	p.75
Cumbuco	36.32	36.2	8.41	2.80	49.2	23.8	32.2	38.6
Icaraí	29.26	28.3	13.31	5.95	43.2	11.9	21.4	41.5
Futuro	33.80	34.9	13.38	2.79	67	12.6	25.5	40.3
Sabiaguaba	38.84	38	12.88	2.68	71.3	18.8	30.5	42.7
Canto Verde	24.45	26.5	14.41	1.79	61.6	4.6	7.5	34.7

Table 7 - Dunn's post-hoc test for the diameter of the opening of the burrows of *Ocypode quadrata* from the beaches of Cumbuco, Icaraí, Futuro, Sabiaguaba and Canto Verde

Dunn's Post-hoc Test (Diameter)						
Group 1	Group 2	n1	n2	statistic	p	p adj.
Canto Verde	Cumbuco	65	9	2.42	1.55e-2	0.155
Canto Verde	Futuro	65	23	2.49	1.27e-2	0.127
Canto Verde	Icaraí	65	5	0.732	4.64e-1	1
Canto Verde	Sabiaguaba	65	23	3.74	1.88e-4	0.00188
Cumbuco	Futuro	9	23	-0.653	5.14e-1	1
Cumbuco	Icaraí	9	5	-0.935	3.50e-1	1
Cumbuco	Sabiaguaba	9	23	0.115	9.09e-1	1
Futuro	Icaraí	23	5	-0.536	5.92e-1	1
Futuro	Sabiaguaba	23	23	1.02	3.06e-1	1
Icaraí	Sabiaguaba	5	23	1.15	2.51e-1	1