

SUPPLEMENTARY MATERIAL S2

Collective exploitation of large prey by group foraging shapes aggregation and fitness of cnidarian polyps

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Results of the statistical analysis performed on sub-groups of polyps.

Supplementary Table S2. Two tailed - two Sample Welch's T-test for samples with different sample size. Comparison between SP *versus* LP- Eat and SP *versus* MIX-Eat regarding distances, Mouth Disc Diameter (MDD) and percentage of asexual Reproduction Rate (%RR). W = t value for Welch's test; df = degrees of freedom; P = p-value, considered significative when ≤ 0.05 , written in bold; n₁ = sample size of first group, n₂ = sample size of second group.

Comparison	t ₁				t ₂				t ₃				t ₄				t ₅			
	W	df	P	n ₁ , n ₂	W	df	P	n ₁ , n ₂	W	df	P	n ₁ , n ₂	W	df	P	n ₁ , n ₂	W	df	P	n ₁ , n ₂
DISTANCE																				
SP vs. LP-Eat	-0.741	7.927	0.48	21, 6	0.027	7.985	0.973	21, 6	0.429	13.4772	0.675	21, 6	0.849	10.720	0.415	21, 6	0.638	10.923	0.536	21, 6
SP vs. MIX-Eat	0.903	9.581	0.389	21, 6	1.485	17.928	0.156	21, 6	1.601	20.801	0.125	21, 6	2.426	23.645	0.023	21, 6	2.189	22.762	0.039	21, 6
MDD																				
SP vs. LP-Eat	-2.832	23.441	0.009	24, 9	-4.956	25.395	<0.0001	24, 9	-3.330	28.081	0.002	24, 9	-4.140	16.903	0.0006	24, 9	-4.812	18.488	0.0001	24, 9
SP vs. MIX-Eat	-1.599	17.562	0.126	24, 9	-2.734	23.460	0.012	24, 9	-2.339	17.377	0.032	24, 9	-2.07	13.666	0.058	24, 9	-2.183	12.144	0.049	24, 9
% RR																				
SP vs. LP-Eat	-0.697	4	0.524	3, 3	2.112	4	0.102	3, 3	0.443	2.204	0.698	3, 3	0.443	2.204	0.698	3, 3	0.443	2.204	0.698	3, 3
SP vs. MIX-Eat	-1.415	4	0.230	3, 3	1.057	3.885	0.352	3, 3	-0.098	2.133	0.930	3, 3	-0.098	2.133	0.930	3, 3	-0.098	2.133	0.930	3, 3

Comparison	t ₆				t ₇				t ₈				t ₉				t ₁₀			
	W	df	P	n ₁ , n ₂	W	df	P	n ₁ , n ₂	W	df	P	n ₁ , n ₂	W	df	P	n ₁ , n ₂	W	df	P	n ₁ , n ₂
DISTANCE																				
SP vs. LP-Eat	1.169	19.793	0.256	21, 6	0.973	18.228	0.343	21, 6	0.084	13.252	0.934	21, 6	-0.092	8.582	0.929	21, 6	-0.016	6.886	0.988	21, 6
SP vs. MIX-Eat	2.771	22.648	0.011	21, 6	2.718	24.451	0.0119	21, 6	2.472	24.576	0.021	21, 6	2.015	14.633	0.063	21, 6	1.202	14.887	0.248	21, 6
MDD																				
SP vs. LP-Eat	-3.291	18.795	0.004	24, 9	-3.885	18.433	0.001	24, 9	-4.926	24.234	<0.0001	24, 9	-4.439	14.382	0.0005	24, 9	-3.475	12.613	0.0043	24, 9
SP vs. MIX-Eat	-2.676	22.506	0.014	24, 9	-2.807	16.542	0.012	24, 9	-3.487	20.962	0.0022	24, 9	-2.819	15.697	0.0125	24, 9	-1.659	14.205	0.1191	24, 9
% RR																				
SP vs. LP-Eat	-0.481	2.243	0.674	3, 3	-0.481	2.243	0.674	3, 3	-0.102	2.793	0.925	3, 3	-0.102	2.793	0.925	3, 3	-0.232	2.556	0.834	3, 3
SP vs. MIX-Eat	-0.907	2.566	0.442	3, 3	-0.907	2.566	0.442	3, 3	-1.329	3.619	0.262	3, 3	-1.329	3.619	0.262	3, 3	-2.112	4	0.102	3, 3