

Table S2a:

***Ceriantheomorpha brasiliensis*. Comparison of cnidocyst lengths between individuals in the actinopharynx, column and metamesenteries.**

P-values of the t test for GLM coefficients (β_1) for each cnidocyst type. Underlined *P*-values significant at $\alpha=0.05$.

Specimen	Actinopharynx			Column	Metamesenteries		
	atrich I	atrich II	microbasic b-mastigophore I		ptychocyst	microbasic b-mastigophore I	microbasic b-mastigophore VI
1	++	++	<u>0.019</u>	++	++	//	
2	//	<u>0.012</u>	++	<u>0.037</u>	//	++	
3	<u><0.001</u>	<u><0.001</u>	<u>0.005</u>	0.615	//	0.182	
4	<u><0.001</u>	0.904	<u>0.014</u>	<u><0.001</u>	<u><0.001</u>	//	
5	0.0974	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	//	//	
6	<u><0.001</u>	0.113	0.393	0.057	//	//	
7	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	//	//	
8	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	//	<u>0.013</u>	<u>0.001</u>	
9	<u><0.001</u>	0.111	<u><0.001</u>	//	0.092	//	
10	0.058	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	0.494	<u><0.001</u>	

Notes:

++: cnidocyst used for comparisons; //: cnidocysts not found in the structure.

Table S2b:

***Ceriantheomorpha brasiliensis*. Comparison of cnidocyst lengths between individuals in marginal tentacles.**

P-values of the t test for GLM coefficients (β_1) for each cnidocyst type. Underlined *P*-values significant at $\alpha=0.05$.

Specimen	Marginal Tentacles				
	microbasic b-mastigophore I	microbasic b-mastigophore II	microbasic b-mastigophore III	microbasic b-mastigophore I	microbasic b-mastigophore VI
1	++	++	//	++	//
2	//	<u><0.001</u>	//	<u><0.001</u>	//
3	0.483	<u><0.001</u>	++	<u>0.001</u>	++
4	//	<u><0.001</u>	<u><0.001</u>	//	<u><0.001</u>
5	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	0.046	<u><0.001</u>
6	0.454	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>
7	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	//	<u><0.001</u>
8	//	<u><0.001</u>	<u><0.001</u>	//	<u><0.001</u>
9	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>
10	<u><0.001</u>	<u><0.001</u>	0.139	<u><0.001</u>	//

Notes:

++: cnidocyst used for comparisons; //: cnidocysts not found in the structure.

Table S2c:

***Ceriantheomorpe brasiliensis*. Comparison of cnidocyst lengths between individuals in labial tentacles.**

P-values of the t test for GLM coefficients (β_1) for each cnidocyst type. Underlined *P*-values significant at $\alpha=0.05$.

Specimen	Labial Tentacles				
	atrach	microbasic b-mastigophore I	microbasic b-mastigophore II	microbasic b-mastigophore III	microbasic b-mastigophore V
1	++	++	//	++	++
2	<u><0.001</u>	<u><0.001</u>	++	<u><0.001</u>	<u><0.001</u>
3	//	<u><0.001</u>	<u><0.001</u>	0.035	//
4	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	//
5	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	0.004	//
6	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>
7	//	0.837	<u><0.001</u>	0.051	//
8	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	//
9	<u><0.001</u>	<u><0.001</u>	//	<u><0.001</u>	//
10	0.005	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>	<u><0.001</u>

Notes:

++: cnidocyst used for comparisons; //: cnidocysts not found in the structure.