

Table S8. Cnidae from different structures of *Pachycerianthus torreyi* specimens showing for cnida types, subtypes, numbers (n) of measurements, their abundance, and mean values of (range length) x mean values of (range width) in μm .

	Marginal tentacles			Labial tentacles			Mesenterial filaments			Column			Column membrane		
CNIDA TYPES and subtypes	n	ab	Mean (range length) x mean (range width)	n	ab	Mean (range length) x mean (range width)	n	ab	Mean (range length) x mean (range width)	n	ab	Mean (range length) x mean (range width)	n	ab	Mean (range length) x mean (range width)
b-MASTIGOPHORES			abundant			abundant			abundant			present			present
Small, broad	24	x	20.4 (12.1-25.3) x 4.9 (4.0-8.0)	10 4	xx	19.8 (11.3-25.0) x 5.7 (2.6-9.0)	36	x	20.9 (15.0-24.6) x 5.2 (2.0-10.0)	1	xx	20.0 x 6.0	8	x	22.8 (20.0-24.0) x 4.9 (4.0-6.0)
Small, narrow	24	x	18.8 (8.0-24.6) x 3.1 (2.0-3.3)	16	xx x	18.7 (13.0-24.6) x 2.7 (2.0-3.3)	21	x	18.1 (10.0-23.3) x 2.7 (1.3-4.0)		x	not measured	3	x	23.0 (22.6-23.3) x 3.3 (3.0-3.3)
Medium, broad	58	xx	31.0 (26.0-38.6) x 6.5 (6.0-10.0)	40	xx x	32.7 (26.6-38.6) x 7.9 (6.0-13.3)	36	x	32.8 (25.0-38.6) x 6.8 (4.6-11.0)	2	xxx	32.5 (30.0-35.0) x 5.0 (5.0-5.0)	32	xx	33.8 (25.0-38.0) x 6.7 (6.0-13.0)
Medium, narrow	24	xx	31.2 (26.6-36.6) x 4.8 (3.3-6.6)	15	x	30.5 (26.6-34.6) x 4.8 (4.0-5.3)	21	x	31.9 (25.0-37.0) x 4.1 (3.0-5.3)		xx	not measured	11	x	32.0 (28.0-36.6) x 5.0 (4.6-5.3)
Large	41	xx xx	50.8 (40.0-56.7) x 11.3 (6.0-17.3)	36	xx x	41.6 (40.0-49.3) x 9.2 (5.3-13.3)	16 1	x	45.8 (40.0-60.0) x 7.4 (3.0-13.0)	5	x	45.6 (40.0-53.0) x 8.4 (7.0-10.0)	20	xx	46.7 (40.0-73.0) x 7.6 (4.6-17.0)
tiny "Falstück"		x	not measured		x	not measured	0		not found	0		not found	0		not found
Drop-shaped		x	not measured		x	not measured		xx	not measured						
ISORHIZAS			present			present						present			present
Small to very large, broad		xx	not measured	43	x	29.4 (14.6-40.0) x 6.5 (3.3-11.0)	0		not found	5	xx	61.8 (54.0-70.0) x 14 (11.0-17.0)	73	xx	64.4 (43.3-95) x 15.4 (9.0-32.0)
SPIROCYSTS			dominant			dominant			abundant			present			present
Small, broad	24	x	21.7 (16.6-25.0) x 4.1 (4.0-4.6)	67	xx x	21.7 (13.3-25.3) x 4.4 (4.0-6.0)	52	xx	21.2 (15.0-25.0) x 4.2 (4.0-6.0)		x	not measured	2	x	23.0 (22.0-24.0) x 4.0 (4.0-4.0)
Small, narrow	92	x	21.3 (14.0-25.3) x 2.7 (1.3-3.3)	13 6	xx x	19.0 (9.0-25.3) x 2.7 (1.0-3.3)	91	xx	20.4 (13.0-25.0) x 3 (3.0-3.3)	1	x	20.0 x 3.0	5	x	21.8 (17.3-24) x 2.8 (2.0-3.3)
Medium, broad	23	xx	32.7 (26.0-38.0) x 5.8 (3.3-7.3)	33	se	30.9 (26.0-35.0) x 5.6 (5.0-6.6)	3	x	34.1 (31.0-38.0) x 8.1 (6.0-11.0)		x	not measured	2	x	32 (26.6-37.0) x 5.3 (5.3-5.3)
Medium, elongate	17 8	xx	31.2 (26.0-38.6) x 3.6 (2.0-6.6)	91	x	29.2 (25.3-35.0) x 3.7 (2.0-4.6)	35	x	28.0 (26.0-35.0) x 3.7 (2.6-5.0)	1	x	35.0 x 5.0	17	x	29.8 (20.0-38.0) x 3.1 (2.0-4.6)

Large	73	xx x	43.1 (40.0-58.0) x 5.3 (2.6-8.0)	1	x	40.0 x 6.6	3	x	45.8 (41.0-51.3) x 6.1 (3.0-8.0)	1	x	45.0 x 4.0	6	x	41.1 (40.0-44.6) x 5.8 (4.0-6.6)
PTYCHOCYSTS			present			present			present			dominant			dominant
Small, broad, apical bent	1	x	20.7 x 5.3	6	x	18.9 (11.3-25.0) x 5.3 (2.6-7.0)	14	x	20.1 (15.3-24.6) x 4.3 (2.6-7.0)		x	not measured	14	x	22.4 (17.3-25.0) x 7.0 (2.6-12.0)
Medium, broad	2	xx	30.3 (28.6-32.0) x 5.7 (5.3-6.0)	4	se	34.0 (33.3-35.0) x 6.5 (6.0-7.0)	1	se	26.6. x 5.3	10	x	33.7 (30.0-35.0) x 9.6 (6.0-13.0)	23 6	x	32.9 (26.6-39.0) x 8.8 (5.0-17.0)
Medium, elongate				7	x	30.4 (26.6-34.6) x 4.7 (4.0-5.0)	2	x	31.6 (30.0-33.3) x 3.6 (3.3-4.0)		xx	not measured	4	x	30.5 (26.6-33.0) x 4.0 (3.0-4.6)
Very large, broad		x	not measured		x	not measured		x	not measured	48	xx	53.0 (40.0-90.0) x 13.5 (6.0-25.0)	60 4	xxx	54.9 (40.0-81.3) x 18.0 (4.6-42.0)
Striation on capsule wall			present			present						present			present

Abbreviations: *n*, number of measured cnidae; *ab*, abundance. Increased cnida abundance shown by: seldom, present, common, abundant, dominant represented by se, x, xx, xxx, xxxx. Approximate capsule size ranges (length x width) in µm are given for: small (≤25.0 x 3.0-5.5); medium (25.0-39.5 x 3.0-13.0), large (40.0-80.0 x 6.0-35.0), very large (80.0-110.0 x 15.0-46.0) cnidae. Given size ranges might slightly overlap. Blank cell, no cnida observation. Dominating or characteristic cnida subtypes are marked in bold.