

Table S9. Cnidae from different structures of *Pachycerianthus dorhni* 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			present			present			present
Small, broad	6	x	23.5 (21.0-25.0) x 5.2 (4.6-6.6)	11	x	23.5 (20.0-25.3) x 4.1 (4.0-4.6)	0		not found		se	not measured	1	x	23.3 x 4.7
Small, narrow	1	xx	22.0 x 3.3	14	x	21.2 (13.0-25.3) x 2.8 (2.0-3.3)	0		not found		x	not measured	1	x	20.0 x 3.3
Medium, broad	89	x	32.6 (26.6-39.0) x 7.3 (6.0-9.3)	10	xx	30.9 (25.7-39.9) x 6.0 (5.0-7.9)		x	not measured		x	not measured	16	xx	33.4 (26.6-38.0) x 7.8 (5.3-12.6)
Medium, narrow	29	x	29.9 (26.6-33.0) x 4.5 (2.7-5.3)	25	x	18.0 (26.6-35.7) x 3.9 (2.0-4.6)		x	not measured		x	not measured	4	xx	29.3 (26.6-31.3) x 4.6 (4.6-4.6)
Large	25	xx xx	43.5 (40.0-47.2) x 8.0 (6.9-9.3)	42	xx x	44.9 (40.0-51.0) x 7.5 (4.6-10.0)	8	x	49.0 (44.6-55.7) x 9.0 (8.2-10.0)		se	not measured	15	xx	47.9 (40.0-52.3) x 9.2 (6.0-13.3)
tiny "Falstück"	0		not found		x	not measured		x	not measured	0		not found	0		not found
Drop-shaped		x	not measured	0		not found		x	not measured						
ISORHIZAS												seldom			present
Medium to large	0		not found	0		not found	0		not found		se	not measured	3	x	59.3 (51.0-63.6) x 16.6 (6.1-20.0)
SPIROCYSTS			dominant			dominant			present			present			present
Small, broad	46	x	20.3 (13.0-25.3) x 4.4 (4.0-6.6)	27	xx	23.0 (16.0-25.3) x 4.7 (4.0-6.7)	0		not found	0		not found	4	se	22.0 (21.3-22.6) x 4.5 (4.0-4.6)
Small, narrow	22 0	x	20.2 (13.0-25.3) x 2.8 (1.3-3.0)	38	xx	20.3 (13.0-24.6) x 2.9 (2.0-3.3)	0		not found		x	not measured	4	se	19.6 (16.6-22.0) x 2.3 (2.0-2.6)
Medium, broad	60	x	32.0 (26.6-38.6) x 6.3 (2.6-8.0)	53	xx	32.7 (26.0-38.6) x 5.9 (4.0-8.6)		x	not measured		x	not measured	1	x	33.3 x 5.3
Medium, elongate	86	x	29.0 (26.6-38.7) x 3.6 (2.0-6.6)	11 1	xx	30.0 (26.6-36.6) x 3.9 (2.0-4.6)		x	not measured	0		not found	8	x	32.5 (26.6-33.3) x 3.6 (2.6-4.6)

Large, broad	59	x	43.2 (40.0-64.3) x 7.0 (2.6-12.6)	23	x	40.9 (40.6-44.6) x 5.5 (4.0-8.0)		x	not measured				1	se	43.3 x 9.3
Large, elongate		x	not measured		x	not measured									
PTYCHOCYSTS			present			present			rare			abundant			abundant
Small, broad, apical bent		x	not measured	9	x	23.0 (20.0-25.3) x 3.4 (2.6-4.6)	0		not found		x	not measured	2	se	16.0 (10.0-22.0) x 5.6 (3.3-8.0)
Medium, broad				10	se	33.0 (28.0-38.6) x 5.8 (5.3-6.6)	0		not found		x	not measured	26	x	31.0 (26.6-38.6) x 9.0 (5.3-16.0)
Medium, elongate	0		not found	54	x	31.9 (26.6-38.0) x 3.6 (2.0-4.6)	0		not found		xx	not measured	13	x	31.9 (26.6-37.3) x 4.0 (3.3-4.6)
Large to very large, broad	1	x	45.1 x 7.2	8	se	41.3 (40.0-43.7) x 4.5 (2.6-8.0)		x	not measured		xx	not measured	18 1	xxx	55.0 (40.6-83.0) x 16.2 (2.6-36.6)
Striation on capsule wall			present			present	0		not found			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 ($\leq 25.0 \times 3.0$ -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.