

**Table S7.** Cnidae from different structures of *Cerianthus* sp. 1 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  $\mu\text{m}$ .

|                          | 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>b-MASTIGOPHORES</b>   |                    |    | <b>abundant</b>                          |                  |    | <b>abundant</b>                          |                       |    | <b>abundant</b>                          |        |    | present                                  |                 |    | seldom                                   |
| Small, broad             | 6                  | xx | 22.3 (18.0-24.9) x 4.0 (3.6-4.9)         | 2                | x  | 21.5 (19.2-23.8) x 6.0 (5.6-6.0)         | 50                    | xx | 19.4 (13.8-24.8) x 5.6 (4.0-6.7)         |        | x  | not measured                             | 1               |    | 21.71 x 5.12                             |
| Small, narrow            | 4                  | x  | 15.2 (9.6-18.0) x 2.7 (2.3-3.1)          | 2                | x  | 18.7 (1.0-19.3) x 3.4 (3.3-3.5)          | 6                     | x  | 15.2 (13.7-16.0) x 3.6 (3.3-3.9)         | 0      |    | not found                                |                 |    |                                          |
| Medium, broad            | 21                 | xx | 33.6 (26.5-39.8) x 6.2 (5.0-7.0)         | 14               | xx | 33.0 (27.8-37.9) x 6.6 (5.8-8.5)         | 2                     | x  | 35.0 (32.3-38.4) x 8.9 (8.0-9.7)         |        | x  | not measured                             | 8               | x  | 27.6 (25.0-29.5) x 6.4 (6.0-6.9)         |
| Medium, narrow           | 10                 | x  | 31.2 (28.0-35.3) x 5.3 (4.8-5.9)         | 6                | x  | 31.0 (27.0-39.1) x 5.0 (4.8-5.6)         | 3                     | x  | 26.0 (25.1-26.6) x 5.7 (5.6-6.0)         | 0      |    | not found                                | 1               |    | 25.51 x 5.19                             |
| Large                    | 4                  | se | 41.0 (40.0-42.6) x 6.8 (6.0-7.7)         | 2                | xx | 41.9 (41-42.6) x 7.7 (7.6-7.7)           | 15                    | x  | 47.0 (40.7-52.9) x 10.0 (8.6-12.0)       |        | x  | not measured                             | 2               | x  | 49.0 (44.0-54.5) x 9.7 (9.4-10.0)        |
| tiny "Falstück"          | 0                  |    | not found                                | 0                |    | not found                                | 0                     |    | not found                                | 0      |    | not found                                |                 |    |                                          |
| Drop-shaped              |                    | se |                                          |                  |    |                                          |                       | xx |                                          | 0      |    | not found                                | 0               |    | not found                                |
| <b>ISORHIZAS</b>         |                    |    | seldom                                   |                  |    |                                          |                       |    |                                          |        |    | seldom                                   |                 |    | present                                  |
| Medium, large, broad     |                    | x  | not measured                             | 0                |    | not found                                | 0                     |    | not found                                |        | se | not measured                             | 3               | x  | 42.8 (35.0-49.0) x 15.0 (14.0-16.0)      |
| <b>SPIROCYSTS</b>        |                    |    | <b>abundant</b>                          |                  |    | <b>abundant</b>                          |                       |    |                                          |        |    | present                                  |                 |    | present                                  |
| Small, broad             |                    | x  | not measured                             |                  |    |                                          |                       |    |                                          |        |    |                                          |                 |    |                                          |
| Small, narrow            |                    | x  | not measured                             |                  |    |                                          |                       |    |                                          |        |    |                                          |                 |    |                                          |
| Medium, broad            |                    | xx | not measured                             |                  | x  | not measured                             |                       |    |                                          |        | x  | not measured                             |                 | x  | not measured                             |
| Medium, elongate         | 1                  | x  | 34.87 x 4.63                             |                  |    |                                          |                       |    |                                          |        |    |                                          |                 |    |                                          |
| Large, broad             | 0                  |    | not found                                |                  | x  | not measured                             |                       |    |                                          |        |    |                                          |                 |    |                                          |
| Large, elongate          |                    | x  | not measured                             |                  | x  | not measured                             |                       |    |                                          |        |    |                                          |                 |    |                                          |
| <b>PTYCHOCYSTS</b>       |                    |    | present                                  |                  |    | present                                  |                       |    |                                          |        |    | <b>abundant</b>                          |                 |    | <b>abundant</b>                          |

|                           |   |   |              |   |   |                                     |  |  |        |   |              |    |     |                                        |
|---------------------------|---|---|--------------|---|---|-------------------------------------|--|--|--------|---|--------------|----|-----|----------------------------------------|
| Small, broad, apical bent |   | x | not measured |   | x | not measured                        |  |  |        |   |              |    | s   | not measured                           |
| Medium, broad             | 0 |   | not found    | 2 | x | 26.9 (25.9-27.8)<br>x 7.6 (7.4-7.9) |  |  |        |   |              |    | xx  | not measured                           |
| Medium, elongate          |   |   |              |   |   |                                     |  |  |        | x | not measured |    | x   | not measured                           |
| Large, broad              |   |   |              |   |   |                                     |  |  |        |   |              | 26 | xxx | 50.9 (40.7-66.1)<br>x 18.4 (10.2-32.1) |
| Large, elongate           | 0 |   | not found    |   |   |                                     |  |  |        |   |              | 0  |     | not found                              |
| Striation on capsule wall |   |   | absent       |   |   | absent                              |  |  | absent |   |              |    |     | absent                                 |

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  $\mu\text{m}$  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) cnidae. Given size ranges might slightly overlap. Blank cell, no cnida observation. Dominating or characteristic cnida subtypes are marked in bold.