**Table SII:** Morphometric measurement data from Avizo Label Analysis. Length3D, Width3D, and Volume3D display maximum lengths of statoliths, minimum width of statolith, and statolith volumes. Length 1, length 2 and length 3 reflect the measurement values of statoliths in three axis (BoundingBox values) sorted by size in descending order (length 1, maximum length; length 2, medium length; length 3, minimum length). Values in brackets exclude the fused particles found in the *Tripedalia cystophora* metamorphosis stage.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Scan**  **no.** | **Statoliths (n)** | **Length3D min-max**  **(µm)** | **Width3D min-max**  **(µm)** | **Volume3D min-max**  **(µm3)** | **Length 1 min-max**  **(µm)** | **Length 2 min-max**  **(µm)** | **Length 3 min-max**  **(µm)** |
| *Aurelia aurita* | 5 | 19 | 7.49-22.68 | 2.50-9.15 | 22.87-791.64 | 7.06-17.91 | 3.26-16.83 | 2.17-11.40 |
|  | 6 | 17 | 7.64-17.53 | 4.05-10.39 | 58.18-761.09 | 6.00-16.40 | 5.20-13.20 | 3.20-11.60 |
|  | 5 | 17 | 5.98-23.02 | 3.61-13.01 | 25.65-993.15 | 4.52-19.57 | 4.52-17.56 | 4.01-14.05 |
| *Cyanea lamarckii* | 12 | 1715 | 5.99-66.86 | 2.42-24.60 | 20.11-9965.10 | 5.16-59.00 | 3.44-40.10 | 1.72-33.80 |
| *Tripedalia cystophora* | 13 | 19 (17) | 7.49-45.35 (17.03) | 6.93-26.39 (13.63) | 148.05-9958.23 (1374.66) | 6.73-41.51 (16.27) | 6.73-30.29 (15.14) | 6.73-29.17 (14.58) |
|  | 14 | 1 | 109.07 | 70.81 | 267250.00 | 107.13 | 91.43 | 85.26 |
|  | 15 | 1 | 105.17 | 76.87 | 304835.00 | 101.52 | 97.60 | 84.70 |