**Table S2.** *Aurelia aurita*, measurements on statolith growth increments and diameters measured on three cut planes. Treatment a: one incubation with 50 µmol L-1 calcein, treatment b: two incubations with 50 µmol L-1 calcein, treatment c: one incubation with 100 µmol L-1 calcein, treatment d: two incubations with 100 µmol L-1 calcein. Mv = mean value; R = rhopalium; S = statolith; sd = standard deviation.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Treatment** | **Specimen number** | **Sample origin** | **Serial statolith number** | **Diameter number** | **Mv corrected diameter**  **± sd (µm)** | **side-face number** | **Mv corrected increment growth**  **side-faces ± sd (µm)** | **Mv corrected increment growth**  **side-faces ± sd**  **(% of diameter)** | **Mv corrected increment growth**  **side-faces per day ± sd (µm)** | **Mv corrected increment growth**  **side-faces per day ± sd**  **(% of dameter)** | **Side-face number** | **Mv corrected increment growth**  **side-faces ± sd (µm)** | **Mv corrected increment growth**  **side-faces ± sd**  **(% of diameter)** | **Mv corrected increment side-faces per day ± sd (µm)** | **Mv corrected increment growth side-faces per day ± sd**  **(% of diameter)** |
| **a** | **1** | **R1, S1** | **1** | **I** | 16.1 ± 0.1 | **1** | 5.7 ± 0.2 | 35.5 ± 1.4 | 0.2 ± 0.0 | 1.2 ± 0.0 | **4** | 6.6 ± 0.2 | 40.9 ± 1.3 | 0.2 ± 0.0 | 1.4 ± 0.0 |
| **II** | 16.0 ± 0.3 | **2** | 6.3 ± 0.1 | 39.3 ± 0.8 | 0.2 ± 0.0 | 1.3 ± 0.0 | **5** | 6.0 ± 0.0 | 37.4 ± 0.7 | 0.2 ± 0.0 | 1.29 ± 0.0 |
| **III** | 15.6 ± 0.2 | **3** | 6.1 ± 0.2 | 39.5 ± 0.5 | 0.2 ± 0.0 | 1.4 ± 0.0 | **6** | 5.6 ± 0.1 | 35.8 ± 1.2 | 0.2 ± 0.0 | 1.2 ± 0.0 |
| **1** | **R1, S2** | **2** | **I** | 21.3 ± 0.1 | **1** | 5.3 ± 0.0 | 24.8 ± 0.2 | 0.2 ± 0.0 | 0.9 ± 0.0 | **4** | 3.4 ± 0.3 | 16.1 ± 1.2 | 0.1 ± 0.0 | 0.6 ± 0.0 |
| **II** | 22.6 ± 0.1 | **2** | 4.7 ± 0.2 | 20.7 ± 0.7 | 0.2 ± 0.0 | 0.7 ± 0.0 | **5** | 4.2 ± 0.1 | 18.4 ± 0.5 | 0.1 ± 0.0 | 0.6 ± 0.0 |
| **III** | 21.4 ± 0.1 | **3** | 4.4 ± 0.2 | 20.4 ± 1.0 | 0.2 ± 0.0 | 0.7 ± 0.0 | **6** | 4.1 ± 0.1 | 18.9 ± 0.4 | 0.1 ± 0.0 | 0.7 ± 0.0 |
| **2** | **R1, S1** | **3** | **I** | 32.0 ± 0.1 | **1** | 4.0 ± 0.1 | 12.4 ± 0.3 | 0.1 ± 0.0 | 0.4 ± 0.0 | **4** | 3.7 ± 0.3 | 11.6 ± 0.9 | 0.1 ± 0.0 | 0.4 ± 0.0 |
| **II** | 30.7 ± 0.2 | **2** | 3.8 ± 0.2 | 12.5 ± 0.6 | 0.1 ± 0.0 | 0.4 ± 0.0 | **5** | 3.5 ± 0.1 | 11.3 ± 0.3 | 0.1 ± 0.0 | 0.4 ± 0.0 |
| **III** | 32.3 ± 0.3 | **3** | 3.6 ± 0.2 | 11.1 ± 0.5 | 0.1 ± 0.0 | 0.4 ± 0.0 | **6** | 3.3 ± 0.2 | 10.3 ± 0.8 | 0.1 ± 0.0 | 0.4 ± 0.0 |
| **b** | **3** | **R1, S1** | **4** | **I** | 20.4 ± 0.1 | **1** | 3.3 ± 0.1 | 16.1 ± 0.5 | 0.1 ± 0.0 | 0.5 ± 0.0 | **4** | 3.3 ± 0.1 | 16.2 ± 0.3 | 0.1 ± 0.0 | 0.5 ± 0.0 |
| **II** | 22.3 ± 0.2 | **2** | 3.7 ± 0.1 | 16.7 ± 0.5 | 0.1 ± 0.0 | 0.5 ± 0.0 | **5** | 3.6 ± 0.0 | 16.1 ± 0.1 | 0.1 ± 0.0 | 0.5 ± 0.0 |
| **III** | 21.2 ± 0.2 | **3** | 3.8 ± 0.1 | 18.0 ± 0.4 | 0.1 ± 0.0 | 0.5 ± 0.0 | **6** | 3.6 ± 0.1 | 17.0 ± 0.4 | 0.1 ± 0.0 | 0.6 ± 0.0 |
| **3** | **R1, S2** | **5** | **I** | 17.4 ± 0.1 | **1** | 4.9 ± 0.0 | 28.3 ± 0.4 | 0.2 ± 0.0 | 0.9 ± 0.0 | **4** | 4.7 ± 0.2 | 26.9 ± 1.0 | 0.2 ± 0.0 | 0.8 ± 0.0 |
| **II** | 18.2 ± 0.4 | **2** | 5.0 ± 0.1 | 27.2 ± 0.9 | 0.2 ± 0.0 | 0.9 ± 0.0 | **5** | 4.8 ± 0.4 | 26.5 ± 1.8 | 0.2 ± 0.0 | 0.9 ± 0.1 |
| **III** | 18.6 ± 0.5 | **3** | 5.4 ± 0.2 | 29.1 ± 1.0 | 0.2 ± 0.0 | 0.9 ± 0.0 | **6** | 5.1 ± 0.5 | 27.1 ± 2.2 | 0.2 ± 0.0 | 0.9 ± 0.1 |
| **c** | **4** | **R1, S1** | **6** | **I** | 11.8 ± 0.1 | **1** | 2.6 ± 0.2 | 21.8 ± 1.5 | 0.1 ± 0.0 | 0.7 ± 0.0 | **4** | 2.9 ± 0.2 | 24.4 ± 1.6 | 0.1 ± 0.0 | 0.8 ± 0.1 |
| **II** | 13.0 ± 0.2 | **2** | 2.9 ± 0.1 | 22.2 ± 0.5 | 0.1 ± 0.0 | 0.7 ± 0.0 | **5** | 3.2 ± 0.0 | 24.4 ± 0.4 | 0.1 ± 0.0 | 0.8 ± 0.0 |
| **III** | 11.5 ± 0.8 | **3** | 2.9 ± 0.4 | 25.4 ± 2.2 | 0.1 ± 0.0 | 0.8 ± 0.1 | **6** | 2.7 ± 0.3 | 23.4 ± 1.4 | 0.1 ± 0.0 | 0.8 ± 0.1 |
| **4** | **R1, S2** | **7** | **I** | 9.4 ± 0.1 | **1** | 1.5 ± 0.1 | 15.8 ± 1.0 | 0.1± 0.0 | 0.5 ± 0.0 | **4** | 1.5 ± 0.2 | 16.3 ± 1.9 | 0.1 ± 0.0 | 0.6 ± 0.1 |
| **II** | 10.3 ± 0.1 | **2** | 1.5 ± 0.0 | 14.9 ± 0.3 | 0.1 ± 0.0 | 0.5 ± 0.0 | **5** | 1.8 ± 0.0 | 18.0 ± 0.2 | 0.1 ± 0.0 | 0.6 ± 0.0 |
| **III** | 10.2 ± 0.2 | **3** | 1.6 ± 0.1 | 15.3 ± 0.7 | 0.1 ± 0.0 | 0.5 ± 0.0 | **6** | 1.5 ± 0.1 | 14.7 ± 1.2 | 0.1 ± 0.0 | 0.5 ± 0.0 |
| **5** | **R1, S1** | **8** | **I** | 15.2 ± 0.3 | **1** | 2.4 ± 0.1 | 15.5 ± 0.0 | 0.1 ± 0.0 | 0.5 ± 0.0 | **4** | 2.4 ± 0.2 | 15.9 ± 1.5 | 0.1 ± 0.0 | 0.6 ± 0.0 |
| **II** | 15.1 ± 0.3 | **2** | 2.4 ± 0.1 | 15.9 ± 0.5 | 0.1 ± 0.0 | 0.6 ± 0.0 | **5** | 2.3 ± 0.1 | 15.3 ± 1.2 | 0.1 ± 0.0 | 0.5 ± 0.0 |
| **III** | 14.8 ± 0.1 | **3** | 2.2 ± 0.1 | 14.6 ± 0.4 | 0.1 ± 0.0 | 0.5 ± 0.0 | **6** | 2.3 ± 0.0 | 15.5 ± 0.3 | 0.1 ± 0.0 | 0.5 ± 0.0 |
| **5** | **R1, S2** | **9** | **I** | 16.0 ± 0.3 | **1** | 3.5 ± 0.4 | 22.0 ± 2.0 | 0.1 ± 0.0 | 0.8 ± 0.1 | **4** | 3.9 ± 0.1 | 24.7 ±1.1 | 0.1 ± 0.0 | 0.9 ± 0.0 |
| **II** | 16.4 ± 0.2 | **2** | 3.5 ± 0.1 | 21.2 ± 0.5 | 0.1 ± 0.0 | 0.7 ± 0.0 | **5** | 3.6 ± 0.2 | 21.9 ± 0.7 | 0.1 ± 0.0 | 0.8 ± 0.0 |
| **III** | 15.7 ± 0.1 | **3** | 3.6 ± 0.1 | 22.8 ± 0.6 | 0.1 ± 0.0 | 0.8 ± 0.0 | **6** | 3.6 ± 0.1 | 23.0 ± 0.6 | 0.1 ± 0.0 | 0.8 ± 0.0 |
| **5** | **R2, S1** | **10** | **I** | 21.9 ± 0.4 | **1** | 4.4 ± 0.1 | 20.3 ± 0.2 | 0.1 ± 0.0 | 0.7 ± 0.0 | **4** | 4.5 ± 0.2 | 20.6 ± 0.6 | 0.2 ± 0.0 | 0.7 ± 0.0 |
| **II** | 21.8 ± 0.5 | **2** | 4.6 ± 0.4 | 20.9 ± 1.5 | 0.2 ± 0.0 | 0.7 ± 0.1 | **5** | 4.6 ± 0.2 | 20.9 ± 0.6 | 0.2 ± 0.0 | 0.7 ± 0.0 |
| **III** | 21.3 ± 0.2 | **3** | 4.4 ± 0.2 | 20.5 ± 0.8 | 0.1 ± 0.0 | 0.7 ± 0.0 | **6** | 4.4 ± 0.2 | 20.7 ± 0.8 | 0.1 ± 0.0 | 0.7 ± 0.0 |
| **d** | **6** | **R1, S1** | **11** | **I** | 15.7 ± 0.1 | **1** | 3.5 ± 0.1 | 22.1 ± 0.5 | 0.1 ± 0.0 | 0.7 ± 0.0 | **4** | 3.8 ± 0.13 | 24.2 ± 0.7 | 0.1 ± 0.0 | 0.8 ± 0.0 |
| **II** | 16.7 ± 0.2 | **2** | 3.4 ± 0.2 | 20.5 ± 1.2 | 0.1 ± 0.0 | 0.7 ± 0.0 | **5** | 4.3 ± 0.2 | 25.7 ± 0.7 | 0.1 ± 0.0 | 0.8 ± 0.0 |
| **III** | 16.8 ± 0.1 | **3** | 3.8 ± 0.3 | 22.3 ± 1.8 | 0.1 ± 0.0 | 0.7 ± 0.1 | **6** | 4.2 ± 0.1 | 25.1 ±0.5 | 0.1 ± 0.0 | 0.8 ± 0.0 |
| **6** | **R1, S2** | **12** | **I** | 13.6 ± 0.3 | **1** | 4.0 ± 0.2 | 29.1 ± 1.2 | 0.1 ± 0.0 | 0.9 ± 0.0 | **4** | 4.8 ± 0.1 | 35.2 ± 1.0 | 0.2 ± 0.0 | 1.1 ± 0.0 |
| **II** | 13.2 ± 0.1 | **2** | 4.0 ± 0.1 | 30.0 ± 0.5 | 0.1 ± 0.0 | 1.0 ± 0.0 | **5** | 4.5 ± 0.3 | 33.9 ± 2.4 | 0.1 ± 0.0 | 1.1 ± 0.1 |
| **III** | 14.2 ± 0.3 | **3** | 4.3 ± 0.3 | 30.4 ± 2.1 | 0.1 ± 0.0 | 1.0 ± 0.1 | **6** | 4.5 ± 0.3 | 32.1 ± 2.3 | 0.2 ± 0.0 | 1.0 ± 0.1 |
| **7** | **R1, S1** | **13** | **I** | 8.2 ± 0.0 | **1** | 1.1 ± 0.0 | 12.9 ± 0.3 | 0.0 ± 0.0 | 0.4 ± 0.0 | **4** | 1.2 ± 0.1 | 14.4 ± 1.0 | 0.0 ± 0.0 | 0.5 ± 0.0 |
| **II** | 7.7 ± 0.0 | **2** | 1.1 ± 0.1 | 13.9 ± 0.8 | 0.0 ± 0.0 | 0.5 ± 0.0 | **5** | 1.2 ± 0.0 | 15.1 ± 0.6 | 0.0 ± 0.0 | 0.5 ± 0.0 |
| **III** | 8.4 ± 0.1 | **3** | 1.1 ± 0.1 | 12.8 ± 0.9 | 0.0 ± 0.0 | 0.4 ± 0.0 | **6** | 1.1 ± 0.0 | 13.2 ±0.4 | 0.0 ± 0.0 | 0.4 ± 0.0 |
| **8** | **R1, S1** | **14** | **I** | 18.9 ± 0.1 | **1** | 2.3 ± 0.1 | 12.2 ± 0.4 | 0.1 ± 0.0 | 0.4 ± 0.01 | **4** | 2.8 ± 0.0 | 14.8 ±0.2 | 0.1 ± 0.0 | 0.5 ± 0.0 |
| **II** | 18.9 ± 0.1 | **2** | 2.3 ± 0.2 | 12.2 ± 0.8 | 0.1 ± 0.0 | 0.4 ± 0.0 | **5** | 2.8 ± 0.1 | 14.9 ± 0.7 | 0.1 ± 0.0 | 0.5 ± 0.0 |
| **III** | 18.8 ± 0.3 | **3** | 2.9 ± 0.1 | 15.3 ± 0.8 | 0.1 ± 0.0 | 0.5 ± 0.0 | **6** | 2.6 ± 0.3 | 13.8 ±1.5 | 0.1 ± 0.0 | 0.4 ± 0.0 |