**Table S2.** Shield length of adult crabs of *Coenobita purpureus* and *C. rugosus* used in experiment 1 to evaluate low-temperature tolerance abilities under constant low-temperature conditions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Temperature level (°C) | Trial no. | Shield length (mm) | | |
| *n* | Mean | SD |
| *C. purpureus* | 2 | 1 | 25 | 7.33 | 0.76 |
|  | 4 | 1 | 13 | 7.67 | 1.33 |
|  |  | 2 | 12 | 6.93 | 0.90 |
|  | 6 | 1 | 13 | 7.16 | 0.85 |
|  |  | 2 | 12 | 7.41 | 0.87 |
|  | 8 | 1 | 13 | 6.84 | 0.94 |
|  |  | 2 | 12 | 6.90 | 0.85 |
|  | 10 | 1 | 13 | 6.73 | 1.00 |
|  |  | 2 | 12 | 6.73 | 0.85 |
| *C. rugosus* | 4 | 1 | 12 | 6.74 | 0.83 |
|  |  | 2 | 13 | 6.90 | 0.87 |
|  | 6 | 1 | 12 | 6.53 | 0.48 |
|  |  | 2 | 13 | 6.61 | 0.90 |
|  | 8 | 1 | 12 | 6.82 | 1.23 |
|  |  | 2 | 13 | 6.47 | 0.89 |
|  | 10 | 1 | 12 | 6.63 | 0.89 |
|  |  | 2 | 13 | 6.57 | 1.01 |

*n*, number of crabs used for the experiment; SD, standard deviation.