**Table S6.** Shield length of age-0 juveniles of coenobitid crabs at four survey sites (Banda, Okinoshika, Shirosaki, and Katsuura) on the coast of the Boso Peninsula, Japan

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Month | Banda | | | Okinoshima | | | Shirosaki | | | Katsuura | | |
|  |  | *n* | Mean | SD | *n* | Mean | SD | *n* | Mean | SD | *n* | Mean | SD |
| 2012 | 8 | 34 | 0.83 | 0.07 | ‒ |  |  | 1 | 0.81 |  | ‒ |  |  |
|  | 9 | 82 | 0.95 | 0.10 | 10 | 1.01 | 0.23 | 43 | 1.20 | 0.17 | ‒ |  |  |
|  | 10 | 51 | 1.49 | 0.20 | 13 | 1.35 | 0.32 | 43 | 1.76 | 0.31 | ‒ |  |  |
|  | 11 | 38 | 1.35 | 0.26 | 40 | 1.62 | 0.30 | 108 | 1.56 | 0.31 | ‒ |  |  |
|  | 12 | 75 | 1.44 | 0.19 | 59 | 1.48 | 0.25 | 110 | 1.58 | 0.32 | ‒ |  |  |
| 2013 | 1 |  |  |  | 18 | 1.50 | 0.29 | 76 | 1.67 | 0.23 | ‒ |  |  |
|  | 2 |  |  |  |  |  |  | 62 | 1.83 | 0.24 |  |  |  |
|  | 3 |  |  |  |  |  |  | 25 | 2.05 | 0.24 |  |  |  |
|  | 4 |  |  |  |  |  |  | 23 | 1.99 | 0.19 |  |  |  |
|  | 5 |  |  |  |  |  |  | 20 | 1.87 | 0.21 |  |  |  |
|  | 6 |  |  |  |  |  |  | 16 | 1.94 | 0.18 |  |  |  |
|  | 7 |  |  |  | 1 | 1.68 |  | 3 | 2.34 | 0.19 | 2 | 1.56 | 0.04 |
|  | 8 | 30 | 0.85 | 0.09 | 20 | 0.89 | 0.09 | 3 | 2.37 | 0.17 | 2 | 0.95 | 0.04 |
|  | 9 | 33 | 1.26 | 0.15 | 10 | 1.42 | 0.17 |  |  |  |  |  |  |
|  | 10 | 19 | 1.33 | 0.22 | 39 | 1.64 | 0.35 |  |  |  |  |  |  |
|  | 11 | 8 | 1.16 | 0.12 | 9 | 1.38 | 0.38 |  |  |  |  |  |  |
|  | 12 | 4 | 1.52 | 0.23 | 4 | 1.15 | 0.08 |  |  |  | 1 | 2.11 |  |
| 2014 | 1 |  |  |  | 8 | 2.24 | 0.23 |  |  |  |  |  |  |
|  | 2 | ‒ |  |  | ‒ |  |  | ‒ |  |  | ‒ |  |  |
|  | 3 |  |  |  | 1 | 1.66 |  |  |  |  |  |  |  |
|  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 5 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 6 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 8 | 24 | 0.89 | 0.09 | 1 | 2.34 |  | 9 | 1.05 | 0.07 | 4 | 0.90 | 0.09 |
|  | 30 | 0.95 | 0.05 |
|  | 9 | 26 | 1.20 | 0.13 | 32 | 1.48 | 0.22 |  |  |  | 10 | 1.38 | 0.08 |
|  | 10 | 7 | 1.52 | 0.26 | 38 | 1.47 | 0.30 | 8 | 1.58 | 0.18 | 16 | 1.37 | 0.16 |
|  | 11 | 16 | 1.45 | 0.15 | 59 | 1.52 | 0.21 | 1 | 1.77 |  | 10 | 1.38 | 0.08 |
|  | 12 | 5 | 1.58 | 0.18 | 8 | 1.55 | 0.13 |  |  |  | 1 | 1.39 |  |

Age-0 crabs born in the same year were shown by the same cell colors; Dash, surveys were not conducted; Open space, crabs were not found. *n*, number of crabs measured; SD, standard deviation.