**Table S5.** Number of age-0 (A0), age-1< (A1), and dead coenobitid crabs counted at four survey sites (Banda, Okinoshima, Shirosaki, and Katsuura) on the coast of the Boso Peninsula, Japan

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year | Month | Banda | Okinoshima | Shirosaki | Katsuura |
| A0 | A1 | Dead | A0 | A1 | Dead | A0 | A1 | Dead | A0 | A1 | Dead |
| 2012 | 8 | 80 |  |  | ‒ |  |  | 1 | 1 |  | ‒ |  |  |
|  | 9 | 186 |  |  | 280 |  |  | 43 | 1 |  | ‒ |  |  |
|  | 10 | 161 |  |  | 163 |  |  | 43 | 3 |  | ‒ |  |  |
|  | 11 | 58 |  |  | 90 |  |  | 108 | 1 |  | ‒ |  |  |
|  | 12 | 77 |  |  | 59 |  | 10 | 110 | 3 |  | ‒ |  |  |
| 2013 | 1 |  |  | 22 | 18 |  | 12 | 90 | 1 |  | ‒ |  |  |
|  | 2 |  |  |  |  |  | 8 | 62 |  |  |  |  | 24 |
|  | 3 |  |  |  |  |  |  | 25 |  |  |  |  |  |
|  | 4 |  |  |  |  |  |  | 23 |  | 6 |  |  |  |
|  | 5 |  |  |  |  |  |  | 20 | 3 |  |  |  |  |
|  | 6 |  |  |  |  |  |  | 16 | 7 |  |  |  |  |
|  | 7 |  |  |  | 1 | 1 |  | 3 | 11 |  | 2 |  |  |
|  | 8 | 30 |  |  | 20 |  |  | 3 | 10 |  | 2 |  |  |
|  | 9 | 66 |  |  | 10 |  |  |  | 2 |  |  |  |  |
|  | 10 | 25 |  |  | 39 |  |  |  |  |  |  |  |  |
|  | 11 | 8 |  |  | 12 | 1 | 11 |  | 4 |  |  |  |  |
|  | 12 | 4 |  |  | 4 |  | 13 |  |  |  | 1 |  |  |
| 2014 | 1 |  |  | 6 | 8 | 1 | 6 |  |  |  |  |  |  |
|  | 2 | ‒ |  |  | ‒ |  |  | ‒ |  |  | ‒ |  |  |
|  | 3 |  |  |  | 1 |  |  |  |  |  |  |  |  |
|  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 5 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 6 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 7 |  |  |  |  | 2 |  | 1 | 4 |  |  |  |  |
|  | 8 | 35 |  |  | 1 | 2 |  | 9 |  |  | 5 | 1 |  |
|  |  |  | 80 |  |  |  |  |
|  | 9 | 44 |  |  | 62 |  |  |  | 1 |  | 10 |  |  |
|  | 10 | 28 |  |  | 38 | 2 |  | 8 | 1 |  | 20 |  |  |
|  | 11 | 46 |  |  | 59 |  | 1 | 1 |  |  | 10 |  |  |
| 　 | 12 | 5 | 　 | 2 | 18 | 　 | 7 | 　 | 　 | 　 | 1 | 　 | 1 |

Age-0 crabs, <2.8 mm in shield length; Age-1< crab, ≥2.8 mm in shield length; 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.