Table S1 Numbers and percentages (in parentheses) of colonies infected by each type of *Symbiodinium*.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Treatment | Date | Number of colonies analyzed | *Symbiodinium* type |
| A3 | C1 | D1-4 | F |
| 2012 | Ambient | 0 da | 37 | 34 (91.9) | 6 (16.2) | 24 (64.9) | - |
|  |  | 2 wk | 39 | 32 (82.1) | 6 (15.4) | 33 (84.6) | - |
|  |  | 1 mo | 29 | 13 (44.8) | 7 (24.1) | 22 (75.9) | 1 (3.4) |
|  |  | 2 mo | 30 | 8 (26.7) | 5 (16.7) | 27 (90.0) | - |
|  |  | 3 mo | 40 | 12 (30.0) | 11 (27.5) | 37 (92.5) | - |
|  |  | 4 mo | 40 | 31 (77.5) | 12 (30.0) | 39 (97.5) | - |
|  |  |  |  |  |  |  |  |
|  | 30 °C | 0 da | 38 | 35 (92.1) | 2 (5.3) | 25 (65.8) | - |
|  |  | 2 wk | 40 | 29 (72.5) | 8 (20.0) | 34 (85.0) | - |
|  |  | 1 mo | 32 | 17 (53.1) | 3 (9.4) | 30 (93.8) | - |
|  |  | 2 mo | 38 | 13 (34.2) | 2 (5.3) | 30 (78.9) | - |
|  |  | 3 mo | 39 | 10 (25.6) | 10 (25.6) | 31 (79.5) | - |
|  |  | 4 mo | 38 | 17 (44.7) | 14 (36.8) | 33 (86.8) | - |
|  |  | 1.5 yr | 12 | - | 3 (25.0) | 11 (91.7) | - |
|  |  |  |  |  |  |  |  |
|  | 31 °C | 0 da | 39 | 33 (84.6) | 7 (17.9) | 29 (74.4) | - |
|  |  | 2 wk | 38 | 33 (86.8) | 6 (15.8) | 31 (81.6) | - |
|  |  | 1 mo | 33 | 26 (78.8) | 4 (12.1) | 29 (87.9) | - |
|  |  | 2 mo | 20 | 3 (15.0) | 3 (15.0) | 19 (95.0) | - |
|  |  | 3 mo | 29 | 6 (20.7) | 7 (24.1) | 26 (89.7) | - |
|  |  | 4 mo | 31 | 6 (19.4) | 7 (22.6) | 31 (100.0) | - |
|  |  |  |  |  |  |  |  |
| 2013 | Ambient | 0 da | 30 | 19 (63.3) | 12 (40.0) | 14 (46.7) | - |
|  |  | 1 mo | 30 | 14 (46.7) | 11 (36.7) | 15 (50.0) | - |
|  |  | 2 mo | 29 | 12 (41.4) | 12 (41.4) | 13 (44.8) | - |
|  |  |  |  |  |  |  |  |
|  | 30 °C | 0 da | 28 | 27 (96.4) | 6 (21.4) | 8 (28.6) | - |
|  |  | 1 mo | 27 | 20 (74.1) | 6 (22.2) | 7 (25.9) | - |
|  |  | 2 mo | 30 | 14 (46.7) | 8 (26.7) | 22 (73.3) | - |
|  |  |  |  |  |  |  |  |
|  | 32 °C | 0 da | 29 | 23 (79.3) | 8 (27.6) | 5 (17.2) | - |
|  |  | 1 mo | 25 | 15 (60.0) | 6 (24.0) | 12 (48.0) | - |
| 　 | 　 | 2 mo | 21 | 9 (42.9) | 1 (4.8) | 20 (95.2) | - |

Table S2 Compositions of *Symbiodinium* types in each juvenile coral colony and their occurrences (in parentheses are percentages).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Treatment | Date | Number of colonies analyzed | *Symbiodinium* types |
| A3 |  |  | A3 | A3 |  | A3 |  |
|  | C1 |  | C1 |  | C1 | C1 |  |
|  |  | D1-4 |  | D1-4 | D1-4 | D1-4 |  |
| 　 | 　 | 　 | 　 | 　 | 　 | 　 | F |
| 2012 | Ambient | 0 da | 37 | 9 (24.3) | - | 3 (8.1) | 4 (10.8) | 19 (51.4) | - | 2 (5.4) | - |
|  |  | 2 wk | 39 | 4 (10.3) | 1 (2.6) | 6 (15.4) | 1 (2.6) | 23 (59.0) | - | 4 (10.3) | - |
|  |  | 1 mo | 29 | 2 (6.9) | 2 (6.9) | 12 (41.4) | 2 (6.9) | 7 (24.1) | 1 (3.4) | 2 (6.9) | 1 (3.4) |
|  |  | 2 mo | 30 | 2 (6.7) | 1 (3.3) | 18 (60.0) | - | 5 (16.7) | 3 (10.0) | 1 (3.3) | - |
|  |  | 3 mo | 40 | 3 (7.5) | - | 16 (40.0) | - | 10 (25.0) | 11 (27.5) | - | - |
|  |  | 4 mo | 40 | 1 (2.5) | - | 3 (7.5) | - | 24 (60.0) | 6 (15.0) | 6 (15.0) | - |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 30 °C | 0 da | 38 | 13 (34.2) | - | 3 (7.9) | - | 20 (52.6) | - | 2 (5.3) | - |
|  |  | 2 wk | 40 | 4 (10.0) | - | 10 (25.0) | 2 (5.0) | 18 (45.0) | 1 (2.5) | 5 (12.5) | - |
|  |  | 1 mo | 32 | 1 (3.1) | 1 (3.1) | 12 (37.5) | - | 16 (50.0) | 2 (6.3) | - | - |
|  |  | 2 mo | 38 | 8 (21.1) | - | 23 (60.5) | - | 5 (13.2) | 2 (5.3) | - | - |
|  |  | 3 mo | 39 | 8 (20.5) | - | 10 (25.6) | - | 11 (28.2) | 7 (17.9) | 3 (7.7) | - |
|  |  | 4 mo | 38 | 5 (13.2) | - | 9 (23.7) | - | 10 (26.3) | 12 (31.6) | 2 (5.3) | - |
|  |  | 1.5 yr | 12 | - | 1 (8.3) | 9 (75.0) | - | - | 2 (16.7) | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 31 °C | 0 da | 39 | 7 (17.9) | 2 (5.1) | 4 (10.3) | 1 (2.6) | 21 (53.8) | - | 4 (10.3) | - |
|  |  | 2 wk | 38 | 4 (10.5) | 2 (5.3) | 1 (2.6) | 1 (2.6) | 27 (71.1) | 2 (5.3) | 1 (2.6) | - |
|  |  | 1 mo | 33 | 3 (9.1) | 1 (3.0) | 5 (15.2) | - | 21 (63.6) | 1 (3.0) | 2 (6.1) | - |
|  |  | 2 mo | 20 | 1 (5.0) | - | 14 (70.0) | - | 2 (10.0) | 3 (15.0) | - | - |
|  |  | 3 mo | 29 | 3 (10.3) | - | 16 (55.2) | - | 3 (10.3) | 7 (24.1) | - | - |
|  |  | 4 mo | 31 | - | - | 20 (64.5) | - | 4 (12.9) | 5 (16.1) | 2 (6.9) | - |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2013 | Ambient | 0 da | 30 | 6 (20.0) | 8 (26.7) | 2 (6.7) | 2 (6.7) | 10 (33.3) | 1 (3.3) | 1 (3.3) | - |
|  |  | 1 mo | 30 | 5 (16.7) | 10 (33.3) | 5 (16.7) | - | 9 (30.0) | 1 (3.3) | - | - |
|  |  | 2 mo | 29 | 5 (17.2) | 8 (27.6) | 8 (27.6) | 3 (10.3) | 4 (13.8) | 1 (3.4) | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 30 °C | 0 da | 28 | 14 (50.0) | 1 (3.6) | - | 5 (17.9) | 8 (28.6) | - | - | - |
|  |  | 1 mo | 27 | 16 (59.3) | 4 (14.8) | 1 (3.7) | - | 4 (14.8) | 2 (7.4) | - | - |
|  |  | 2 mo | 30 | 3 (10.0) | 4 (13.3) | 10 (33.3) | 1 (3.3) | 9 (30.0) | 2 (6.7) | 1 (3.3) | - |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 32 °C | 0 da | 29 | 16 (55.2) | 6 (20.7) | - | 2 (6.9) | 5 (17.2) | - | - | - |
|  |  | 1 mo | 25 | 8 (32.0) | 4 (16.0) | 6 (24.0) | 1 (4.0) | 5 (20.0) | - | 1 (4.0) | - |
| 　 | 　 | 2 mo | 21 | - | 1 (4.8) | 11 (52.4) | - | 9 (42.9) | - | - | - |