**Table S1.** *Durusdinium* sp. dominance in total symbiont community in each group by time in 2014RTE. NA represents both symbiont *Cladocopium* sp. and *Durusdinium* sp. were undetected from a single colony

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | Symbiont type D dominance | | |
|  | group | colony | 2014 Apr | 2014 Sep | 2015 Jan |
| a) | WLT-OL transfer | 1 | 0.017% | 6.587% | Dead |
|  |  | 2 | 0.000% | 0.000% | Dead |
|  |  | 3 | 0.000% | 8.478% | 100.000% |
|  |  | 4 | 0.585% | 100.000% | Dead |
|  |  | 5 | 0.000% | 100.000% | Dead |
| b) | IL-OL transfer | 1 | 0.000% | 49.022% | Dead |
|  |  | 2 | 0.000% | 30.783% | Dead |
|  |  | 3 | 0.000% | 41.984% | Dead |
|  |  | 4 | 0.000% | 91.156% | Dead |
|  |  | 5 | 0.000% | NA | Dead |
| c) | native WLT | 1 | 0.000% | 0.000% | 0.000% |
|  |  | 2 | 0.000% | 0.000% | 0.000% |
|  |  | 3 | 0.000% | 0.000% | 0.000% |
|  |  | 4 | 0.000% | 3.799% | Dead |
|  |  | 5 | 0.000% | 0.000% | 0.000% |
| d) | native IL | 1 | 0.000% | 0.000% | 0.023% |
|  |  | 2 | 0.000% | 0.000% | 0.000% |
|  |  | 3 | 0.000% | 0.000% | 0.000% |
|  |  | 4 | 0.000% | 0.000% | 0.000% |
|  |  | 5 | 0.001% | 0.000% | 0.000% |
| e) | native OL | 1 | 100.000% | 100.000% | 100.000% |
|  |  | 2 | 100.000% | 100.000% | 100.000% |
|  |  | 3 | 100.000% | 100.000% | 100.000% |
|  |  | 4 | 100.000% | 100.000% | 100.000% |
|  |  | 5 | 100.000% | 100.000% | 100.000% |