**Table S4.** Symbiont cell densities of *Cladocopium* sp. and *Durusdinium* sp. in 2014RTE. Values were estimated by multiplying total symbiont cell densities obtained from cell counting by types C: D ratio obtaining from qPCR

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| group | colony | *Cladocopium* sp. | *Durusdinium* sp. | time |
| WLT-OL transfer | 1 | 1024701  | 178  | 2014 Apr |
|  | 2 | 973367  | 0  |  |
|  | 3 | 1099996  | 0  |  |
|  | 4 | 662035  | 3896  |  |
|  | 5 | 1020263  | 0  |  |
| IL-OL transfer | 1 | 549727  | 0  | 2014 Apr |
|  | 2 | 598196  | 0  |  |
|  | 3 | 722107  | 0  |  |
|  | 4 | 802871  | 0  |  |
|  | 5 | 564307  | 0  |  |
| WLT-OL transfer | 1 | 41962  | 2960  | 2014 Sep |
|  | 2 | 229146  | 0  |  |
|  | 3 | 43323  | 4014  |  |
|  | 4 | 0  | 74546  |  |
|  | 5 | 0  | 184983  |  |
| IL-OL transfer | 1 | 113244  | 108803  | 2014 Sep |
|  | 2 | 78489  | 34935  |  |
|  | 3 | 141991  | 102821  |  |
|  | 4 | 13313  | 137975  |  |
|  | 5 | 0  | 0  |  |
| WLT-OL transfer | 3 | 0  | 631195  | 2015 Jan |