**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 |