**Table S5.** *Durusdinium* sp. in total symbiont community in each group by time in A) 2014RTE and B) 2015RTE. NA represents both symbiont types within C and D were undetected from a single coral core (A)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group |  | *Durusdinium glynii / trenchii* dominance | | |
|  | Colony | 2014 Apr | 2014 Sep | 2015 Jan |
| 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% |
| OL-WLT transfer | 1 | 100.000% | 100.000% | 98.061% |
|  | 2 | 100.000% | 100.000% | 100.000% |
|  | 3 | 100.000% | 100.000% | 100.000% |
|  | 4 | 99.978% | 100.000% | 100.000% |
|  | 5 | 100.000% | 100.000% | 100.000% |
| OL-IL transfer | 1 | 98.850% | 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% | 99.556% | 100.000% |
| 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% |
| 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 |
| 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% |
| 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 |

(B)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group |  | *Durusdinium glynii / trenchii* dominance | | |
|  | Colony | 2015 Apr | 2015 Sep | 2016 Jan |
| 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% |
|  | 6 | 100.000% | 100.000% | 100.000% |
|  | 7 | 100.000% | 100.000% | 100.000% |
|  | 8 | 100.000% | 100.000% | 100.000% |
|  | 9 | 100.000% | 100.000% | 100.000% |
|  | 10 | 100.000% | 100.000% | 100.000% |
|  | 11 | 100.000% | 100.000% | 100.000% |
|  | 12 | 100.000% | 100.000% | 100.000% |
|  | 13 | 100.000% | 100.000% | 100.000% |
|  | 14 | 100.000% | 100.000% | 100.000% |
|  | 15 | 100.000% | 100.000% | 100.000% |
|  | 16 | 100.000% | 100.000% | 100.000% |
|  | 17 | 80.645% | 100.000% | 100.000% |
|  | 18 | 100.000% | 100.000% | 100.000% |
|  | 19 | 100.000% | 100.000% | 100.000% |
|  | 20 | 100.000% | 100.000% | 100.000% |
|  | 21 | 100.000% | 100.000% | NA |
|  | 22 | 100.000% | 100.000% | 100.000% |
|  | 23 | 100.000% | 100.000% | 100.000% |
|  | 24 | 100.000% | 100.000% | 100.000% |
|  | 25 | 100.000% | 100.000% | 100.000% |
|  | 26 | 100.000% | 100.000% | 100.000% |
|  | 27 | 100.000% | 100.000% | 100.000% |
|  | 28 | 100.000% | 100.000% | 100.000% |
|  | 29 | 100.000% | 100.000% | 100.000% |
|  | 30 | 100.000% | 100.000% | 100.000% |
| OL-WLT transfer | 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% |
|  | 6 | 100.000% | 100.000% | 100.000% |
|  | 7 | 100.000% | 100.000% | 100.000% |
|  | 8 | 100.000% | 100.000% | 100.000% |
|  | 9 | 100.000% | 100.000% | 100.000% |
|  | 10 | 100.000% | 100.000% | 99.819% |
|  | 11 | 100.000% | 100.000% | 100.000% |
|  | 12 | 100.000% | 100.000% | 100.000% |
|  | 13 | 100.000% | 100.000% | 100.000% |
|  | 14 | 100.000% | 100.000% | 100.000% |
|  | 15 | 100.000% | 100.000% | 100.000% |
|  | 16 | 100.000% | 100.000% | 100.000% |
|  | 17 | 100.000% | 100.000% | 99.979% |
|  | 18 | 100.000% | 100.000% | 100.000% |
|  | 19 | 100.000% | 100.000% | 100.000% |
|  | 20 | 100.000% | 100.000% | 100.000% |
|  | 21 | 100.000% | 100.000% | 100.000% |
|  | 22 | 100.000% | 100.000% | 100.000% |
|  | 23 | 100.000% | 100.000% | 100.000% |
|  | 24 | 100.000% | 100.000% | 100.000% |
|  | 25 | 100.000% | 100.000% | 100.000% |
|  | 26 | 100.000% | 100.000% | 100.000% |
|  | 27 | 100.000% | 100.000% | 97.782% |
|  | 28 | 100.000% | 99.966% | 100.000% |
|  | 29 | 100.000% | 100.000% | 100.000% |
|  | 30 | 100.000% | 100.000% | 100.000% |
| native WLT | 1 | 0.000% | 0.000% | 0.000% |
|  | 2 | 12.711% | 28.460% | 2.374% |
|  | 3 | 0.000% | 0.000% | 0.000% |
|  | 4 | 0.000% | 0.017% | Dead |
|  | 5 | 0.000% | 0.000% | 0.000% |
|  | 6 | 0.000% | 0.000% | 0.000% |
|  | 7 | 0.000% | 7.829% | 3.092% |
|  | 8 | 0.133% | 22.971% | 4.994% |
|  | 9 | 0.000% | 0.000% | 0.000% |
|  | 10 | 0.000% | 0.000% | 0.000% |
|  | 11 | 0.020% | 0.000% | 0.000% |
|  | 12 | 0.000% | 0.000% | 0.000% |
|  | 13 | 0.000% | 0.000% | 0.000% |
|  | 14 | 0.000% | 0.000% | 0.000% |
|  | 15 | 0.000% | 0.000% | 0.000% |
|  | 16 | 0.000% | 0.000% | 0.000% |
|  | 17 | 0.019% | 0.028% | 0.000% |
|  | 18 | 0.000% | 0.000% | 0.000% |
|  | 19 | 0.000% | 0.000% | 0.000% |
|  | 20 | 0.000% | 0.000% | 0.000% |
|  | 21 | 0.000% | 0.000% | 0.000% |
|  | 22 | 0.068% | 0.000% | 0.000% |
|  | 23 | 53.292% | 77.205% | 70.391% |
|  | 24 | 8.851% | 44.608% | 12.539% |
|  | 25 | 85.576% | 95.126% | 66.899% |
|  | 26 | 0.040% | 0.466% | 0.000% |
|  | 27 | 0.000% | 0.000% | 0.000% |
|  | 28 | 0.000% | 0.000% | Dead |
|  | 29 | 0.000% | 0.000% | 0.000% |
|  | 30 | 0.000% | 0.000% | 0.000% |
| WLT-OL transfer | 1 | 0.000% | 100.000% | 100.000% |
|  | 2 | 39.585% | 99.712% | 100.000% |
|  | 3 | 0.000% | Dead | Dead |
|  | 4 | 0.000% | Dead | Dead |
|  | 5 | 0.000% | 65.253% | NA |
|  | 6 | 0.000% | 0.129% | NA |
|  | 7 | 1.619% | 100.000% | 100.000% |
|  | 8 | 0.558% | 100.000% | 100.000% |
|  | 9 | 0.000% | Dead | Dead |
|  | 10 | 0.000% | 100.000% | 100.000% |
|  | 11 | 0.000% | 100.000% | 100.000% |
|  | 12 | 0.000% | Dead | Dead |
|  | 13 | 0.000% | 100.000% | 100.000% |
|  | 14 | 0.000% | 100.000% | 100.000% |
|  | 15 | 0.000% | 100.000% | 100.000% |
|  | 16 | 0.000% | 100.000% | 100.000% |
|  | 17 | 0.000% | 100.000% | 100.000% |
|  | 18 | 0.000% | 100.000% | 100.000% |
|  | 19 | 100.000% | 100.000% | Dead |
|  | 20 | 0.054% | 94.000% | NA |
|  | 21 | 0.000% | 100.000% | 100.000% |
|  | 22 | 0.038% | 100.000% | Dead |
|  | 23 | 0.120% | 100.000% | 100.000% |
|  | 24 | 0.150% | 100.000% | 100.000% |
|  | 25 | 0.000% | 100.000% | 100.000% |
|  | 26 | 0.000% | 100.000% | 100.000% |
|  | 27 | 0.000% | 100.000% | NA |
|  | 28 | 0.000% | 100.000% | NA |
|  | 29 | 82.421% | 100.000% | 100.000% |
|  | 30 | 16.122% | Dead | Dead |