**Additional file 1: Table 1: sample size and environmental condition at the collection site and in system A.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Season | Collection site | | System A | | |
| Day length (hours) | Sea-water temperature (ºC) | Day length (hours) | Sea-water temperature (ºC) | Number of tested aquariums |
| Summer (August 2016, 2017) | 12:51-13:42 | 27-28 | 13 | 27 | n=4 (control) |
| n=5 (treatment) |
| Autumn (October 2015, 2019) | 10:13-10:54 | 24-25 | 10:30 | 24 | n=2 (control) |
| n=4 (treatment) |
| Winter (January 2016, 2019) | 10:05-10:37 | 21-22 | 10:15 | 21 | n=2 (control) |
| n=4 (treatment) |
| Spring (May 2019) | 12:30-13:24 | 22-23 | 13 | 23 | n=3 (control) |
| n=3 (treatment) |