Table . Live colonies recruitment experiment. Percent cover per replicate for control plates.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1A | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1I | 1J | 1L | 1M | 1N | 1O | 1P | 1Q | 3A | 3B | 3C | 3D | 3E | 3F | 3G | 3H | 3I | 3J | 3L | 3M | 3N | 3O | 3P | 3Q |
| *Spyridia sp.* | 5 | 15 | 10 | 5 | 35 | 25 | 45 | 20 | 25 | 15 | 25 | 20 | 20 | 20 | 35 | 20 | 1 | 20 | 10 | 0 | 45 | 20 | 15 | 20 | 25 | 20 | 15 | 5 | 35 | 30 | 25 | 20 |
| *Ulva intestinalis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Dictyota* sp. | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| *Centroceras clavulatum* | 0 | 5 | 3 | 0 | 3 | 10 | 1 | 10 | 10 | 10 | 15 | 5 | 1 | 0 | 1 | 15 | 0 | 1 | 0 | 0 | 0 | 0 | 30 | 20 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| *Sargassum* sp. | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 1 | 0 | 3 | 0 | 1 | 0 | 1 | 1 | 0 | 3 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| *Hypnea cervicornis* | 3 | 5 | 3 | 1 | 1 | 3 | 1 | 3 | 3 | 1 | 5 | 5 | 1 | 0 | 3 | 10 | 1 | 0 | 1 | 1 | 0 | 0 | 10 | 5 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| *Ulva* sp. | 3 | 3 | 10 | 5 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 3 | 5 | 5 | 3 | 1 | 3 | 1 | 1 | 3 | 1 | 5 | 3 | 3 | 3 | 3 | 3 | 5 | 3 |
| *Padina gymnospora* | 1 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Laurencia obtusa* | 0 | 0 | 1 | 0 | 0 | 1 | 10 | 5 | 5 | 1 | 0 | 10 | 5 | 1 | 1 | 3 | 0 | 1 | 0 | 0 | 3 | 10 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| *Ceramium sp.* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Serpulidae | 70 | 50 | 45 | 45 | 5 | 25 | 10 | 25 | 35 | 25 | 30 | 30 | 15 | 10 | 30 | 25 | 50 | 50 | 45 | 65 | 10 | 15 | 50 | 20 | 40 | 35 | 15 | 70 | 10 | 15 | 25 | 60 |
| *Amphibalanus* sp. | 1 | 1 | 5 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biofilm | 10 | 5 | 10 | 0 | 65 | 30 | 40 | 30 | 40 | 45 | 20 | 35 | 0 | 60 | 15 | 15 | 0 | 3 | 3 | 15 | 75 | 90 | 30 | 20 | 35 | 15 | 0 | 5 | 60 | 60 | 45 | 3 |
| Corallinaceae (CCA) | 3 | 3 | 5 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 5 | 1 | 5 | 5 | 1 | 1 | 3 | 0 | 1 | 3 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| *Cladophora* sp. | 0 | 5 | 5 | 1 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 1 | 10 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 0 | 1 |
| Ectocarpaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Jania adhaerens* | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| *Balanus trigonus* | 3 | 3 | 3 | 10 | 1 | 1 | 5 | 1 | 0 | 3 | 1 | 0 | 5 | 0 | 3 | 1 | 1 | 0 | 5 | 5 | 0 | 0 | 3 | 0 | 0 | 5 | 5 | 10 | 0 | 5 | 0 | 3 |
| Bryozoa 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ascidia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Schizoporella errata* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Colpomenia sinuosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2A | 2B | 2C | 2D | 2E | 2F | 2G | 2H | 2I | 2J | 2L | 2M | 2N | 2O | 2P | 2Q | 4A | 4B | 4C | 4D | 4E | 4F | 4G | 4H | 4I | 4J | 4L | 4M | 4N | 4O | 4P | 4Q |
| *Spyridia sp.* | 70 | 25 | 45 | 35 | 35 | 50 | 40 | 10 | 25 | 10 | 30 | 50 | 35 | 50 | 20 | 20 | 35 | 45 | 20 | 30 | 25 | 20 | 35 | 35 | 10 | 20 | 35 | 45 | 45 | 75 | 20 | 10 |
| *Ulva intestinalis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| *Dictyota* sp. | 10 | 0 | 1 | 0 | 0 | 5 | 3 | 1 | 1 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| *Centroceras clavulatum* | 0 | 20 | 0 | 0 | 20 | 0 | 0 | 0 | 10 | 25 | 15 | 10 | 10 | 15 | 15 | 15 | 0 | 0 | 20 | 0 | 35 | 0 | 0 | 0 | 25 | 5 | 0 | 0 | 10 | 0 | 0 | 10 |
| *Sargassum* sp. | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 1 | 1 | 1 | 5 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 0 | 1 |
| *Hypnea cervicornis* | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 3 | 5 | 3 | 1 | 0 | 3 | 10 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 3 | 0 | 1 | 5 | 0 | 0 | 3 |
| *Ulva* sp. | 0 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 3 | 3 | 3 | 5 | 3 | 1 | 3 | 1 | 1 | 1 | 3 | 1 |
| *Padina gymnospora* | 3 | 3 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| *Laurencia obtusa* | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 1 |
| *Ceramium sp.* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Serpulidae | 10 | 20 | 10 | 10 | 10 | 3 | 5 | 20 | 20 | 20 | 15 | 10 | 5 | 5 | 20 | 25 | 20 | 15 | 20 | 40 | 20 | 40 | 15 | 15 | 15 | 10 | 10 | 5 | 15 | 10 | 25 | 15 |
| *Amphibalanus* sp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biofilm | 20 | 30 | 55 | 65 | 60 | 55 | 60 | 90 | 45 | 40 | 50 | 40 | 50 | 50 | 60 | 65 | 40 | 40 | 25 | 0 | 50 | 15 | 70 | 65 | 50 | 60 | 65 | 55 | 50 | 25 | 35 | 50 |
| Corallinaceae (CCA) | 1 | 10 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 3 | 0 | 3 | 1 | 1 | 3 | 0 | 3 | 1 | 3 | 0 | 1 | 1 | 1 | 3 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 5 |
| *Cladophora* sp. | 3 | 5 | 5 | 3 | 3 | 1 | 1 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 1 | 10 | 1 | 1 | 3 | 3 | 1 | 0 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 0 | 3 | 5 |
| Ectocarpaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| *Jania adhaerens* | 5 | 1 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 1 | 5 | 5 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 10 | 3 | 0 | 0 | 0 | 1 |
| *Balanus trigonus* | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 5 | 10 | 5 | 3 | 3 | 3 | 0 | 3 | 5 | 0 | 0 | 1 | 10 | 3 | 0 | 3 | 3 | 20 |
| Bryozoa 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| Ascidia | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Schizoporella errata* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Colpomenia sinuosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

Table . Live colonies recruitment experiment. Percent cover per replicate for treatment plates.

Table Crude extract recruitment experiment. Percent cover per replicate for acrylic disks.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Taxon | Control | Control | Control | Control | Control | Control | *P.dilatata* | *P.dilatata* | *P.dilatata* | *P.dilatata* | *P.dilatata* | *P.dilatata* |
| *Cladophora* sp. | 1,3 | 1 | 0,3 | 1,7 | 2 | 1,3 | 3,3 | 2,7 | 2,3 | 1,3 | 0,7 | 1,3 |
| Ectocarpaceae | 7 | 16,7 | 32 | 23,7 | 19 | 10 | 8,7 | 29,3 | 28 | 28,7 | 38,7 | 37,3 |
| *Diatomeae* | 0,3 | 12,7 | 29,7 | 18 | 13,3 | 16,7 | 7,3 | 36,3 | 23 | 29,3 | 22 | 23,7 |
| *Obelia sp.* | 89 | 64 | 36,3 | 44,7 | 64,7 | 50 | 51,3 | 25,7 | 36,7 | 32,3 | 30 | 26,3 |
| *Balanus trigonus* | 0,7 | 0 | 0,3 | 2,3 | 0,7 | 0 | 0 | 2 | 4 | 1,3 | 3,7 | 4 |
| *Spyridia* sp. | 1 | 0 | 1 | 1,7 | 0 | 0 | 1 | 1,3 | 1 | 2 | 0,3 | 0,3 |
| *Ceramium sp.* | 0 | 0,3 | 0,3 | 0,7 | 0,3 | 0 | 1 | 0,3 | 1 | 0 | 1 | 3 |
| Corallinaceae (CCA) | 0 | 0 | 0 | 0,7 | 0 | 3,3 | 0 | 0,3 | 2 | 0,3 | 2,7 | 2,7 |
| *Membranipora membranacea* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0,3 |
| *Cyanobacteria* | 0 | 0 | 0 | 2,3 | 0 | 0 | 0 | 1,7 | 1,7 | 0 | 1 | 0,3 |
| Ascidiacea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,3 | 0 | 0,3 |
| *Serpulidae* | 0 | 0 | 0 | 0,3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,3 |
| *Colpomenia sinuosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,3 | 0 | 0 |

Table Total area cover ( cm2 ) of *Palythoa caribaeorum* over difusion chambers .

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| T1(Control) | T1(*P.dilatata*) | T2(Control) | T2(*P.dilatata*) | T3(Control) | T3(*P.dilatata*) |
| 4,287 | 1,337 | 8,064 | 5,414 | 2,876 | 1,311 |
| 4,528 | 2,85 | 5,831 | 3,419 | 4,527 | 4,263 |
| 5,752 | 1,071 | 5,394 | 3,458 | 5,463 | 4,365 |
| 0,313 | 1,141 | 1,58 | 0 | 4,872 | 2,736 |
| 2,176 | 2,023 | 3,601 | 0,321 | 3,957 | 1,943 |
| 3,008 | 0 | 6,979 | 0 | 2,862 | 0 |