

Table S3. One-way univariate permutational ANOVAs to test for the effects of HW Magnitude on the abundance of dominant native species. Abundance values reflected the relative change in actual abundance between the colonisation period (Phase 1) and the end of the experiment (Phase 3), and are shown graphically in Fig. 5. Permutations (999 unrestricted) were based on Euclidean distances between untransformed change in abundance (plus 1000). Significant P values (at $P < 0.05$) are shown in bold.

| Species | HW duration | Timing | Magnitude F | Magnitude P | Pairwise |
|-----------------------------|-------------|--------|-------------|--------------|-------------|
| <i>Ciona intestinalis</i> | 1 week | 1 | 0.53 | 0.594 | - |
| | | 2 | 2.59 | 0.115 | - |
| | | 3 | 1.07 | 0.383 | - |
| | 2 week | 1 | 1.13 | 0.389 | - |
| | | 2 | 0.80 | 0.551 | - |
| | | 3 | 1.28 | 0.183 | - |
| <i>Botryllus schlosseri</i> | 1 week | 1 | 6.95 | 0.008 | C = T1 > T2 |
| | | 2 | 7.06 | 0.006 | C > T1 = T2 |
| | | 3 | 2.89 | 0.099 | - |
| | 2 week | 1 | 1.13 | 0.374 | - |
| | | 2 | 0.17 | 0.855 | - |
| | | 3 | 1.28 | 0.147 | - |
| <i>Electra pilosa</i> | 1 week | 1 | 0.13 | 0.886 | - |
| | | 2 | 0.35 | 0.753 | - |
| | | 3 | 1.07 | 0.398 | - |
| | 2 week | 1 | 3.40 | 0.044 | C = T1 > T2 |
| | | 2 | 0.59 | 0.614 | - |
| | | 3 | 0.08 | 0.940 | - |
| <i>Balanus crenatus</i> | 1 week | 1 | 2.83 | 0.090 | - |
| | | 2 | 2.36 | 0.110 | - |
| | | 3 | 0.38 | 0.715 | - |
| | 2 week | 1 | 2.25 | 0.118 | - |
| | | 2 | 0.43 | 0.775 | - |
| | | 3 | 1.28 | 0.159 | - |