Table S5. Two-Way ANOVA results on effects of pH (pHT 8.1 vs. 7.5) and incubation time (time period 2h, 4h, 6h) on changes in variables related to seawater chemistry shown in Table 4. Asterisks indicate statistical significance with N = 6.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Alkalinity** | **DIC** | **pH** | **CO2(aq)** | **HCO3-** | **CO32-** |
| pH | *F*1,34 = 25.939,  p < 0.0001\* | *F*1,34 = 1.591,  p = 0.2170 | *F*1,34 = 9.567,  p = 0.0043\* | *F*1,34 = 125.940,  p < 0.0001\* | *F*1,34 = 0.086,  p = 0.7720 | *F*1,34 = 0.053,  p = 0.4721 |
| time | *F*2,33 = 11.718, p = 0.0002\* | *F*2,33 = 74.664,  p < 0.0001\* | *F*2,33 = 83.740,  p < 0.0001\* | *F*2,33 = 32.019,  p < 0.0001\* | *F*2,33 = 93.826,  p < 0.0001\* | *F*2,33 = 72.858,  p < 0.0001\* |
| pH x time | N/A | *F*2,30 = 4.235,  p = 0.0240\* | *F*2,30 = 10.748,  p = 0.0003\* | *F*2,30 = 16.533,  p < 0.0001\* | *F*2,30 = 5.211,  p = 0.0114\* | *F*2,30 = 6.572,  p = 0.0043\* |