**Table S9.** Mean (±SE) net chemical bioerosion/ net dissolution rates. Model statistics are from full linear mixed effect models. Negative rates indicate bioerosion (increase in Ca2+ concentration), positive values indicate calcification (decrease in Ca2+ concentration).

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Treatment** | **Mean (±SE)** | **Model statistics** |
| Oysters | 8.03 | -0.013±0.007 | df=6.000t=-0.235p=0.822R2=0.008n=8 |
| 7.63 | -0.011±0.006 |
| Infested oysters | 8.03 | -0.019±0.010 | df=6.000t=0.807p=0.451R2=0.085n=8 |
| 7.63 | -0.030±0.015 |
| Sponges | 8.03 | -0.933±0.033 | df=1.962t=1.399p=0.299R2=0.832n=6 |
| 7.63 | -1.558±0.409 |