**Supplementary Table 2.** Nested two-way ANOVA for total length (2A) and arm asymmetry (2B) for *Echinometra* spp. A larvae raised at Dobu control and vent sites at 24 and 48 hours exposure. The fixed factors (pH and time) are nested within the two consecutive experiments.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *A. Total larval length* | DF | SS | F-ratio | P |
| pH | 1 | 0.5955 | 51.447 | **<0.001** |
| Time | 1 | 0.0009 | 0.081 | 0.778 |
| pH\*Time | 1 | 0.0007 | 0.663 | 0.421 |
| Experiment [pH, Time] | 4 | 0.0071 | 0.153 | 0.961 |
| Residuals | 38 | 0.4399 | 0.012 |  |
|  |  |  |  |  |
| *B. Larval arm asymmetry* | DF | SS | F-ratio | P |
| pH | 1 | 0.118 | 4.639 | **0.038** |
| Time | 1 | 0.001 | 0.053 | 0.818 |
| pH\*Time | 1 | <0.0001 | 0.001 | 0.972 |
| Experiment [pH, Time] | 4 | 0.216 | 2.111 | 0.098 |
| Residuals | 38 | 0.973 | 1.814 |  |