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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 2: Gonad stage and sex comparisons among temperature and pCO2 treatments. | | | | | | | | | | | | | | | | | | |
|  | | 6°C | | |  | 10°C | | |  | 10°C | | | | |  | 10°C | | |
|  |  | Pre | Amb | High |  | Pre | Amb | High |  | Pre | | Amb | | High |  | Pre | Amb | High |
|  |  |  |  | | | | | |  | |  | | | | | | | |
| 6°C | Pre | - | *Sex Ratio* | | | | | | - | | *Stage of the dominant sex* | | | | | | | |
| Amb | 0.8 (0.93) | - |  |  | |  |  | **\*16.5 (0.013)** | | - | |  | |  | |  |  |
| High | 4.6 (0.34) | 5.4 (0.29) | - |  | |  |  | **4.6 (0.48)** | | 9.7 (0.090 | | - | |  | |  |  |
| 10°C | Pre | 5.9  (0.26) |  |  | - | |  |  | **\*15.8 (0.017)** | |  | |  | | - | |  |  |
| Amb |  |  |  | 6.8 (0.18) | | - |  |  | |  | |  | | **\*12.7 (0.038)** | | - |  |
| High |  | 5.3 (0.29) |  | 3.8 (0.46) | | 0.6 (0.94) | - |  | | 2.8 (0.78) | |  | | 5.2 (0.44) | | **\*12.5 (0.038** | - |
|  | |  | | | | | | |  | | | | | | | | | |
| 6°C | Pre | - | *Male gametes* | | | | | | - | | *Female gametes* | | | | | | | |
| Amb | **\*24.2 (1.6e-3)** | - |  |  | |  |  | 6.3 (0.18) | | - | |  | |  | |  |  |
| High | **\*15.2 (0.013)** | 9.0 (0.071) | - |  | |  |  | 3.6 (0.47) | | 4.4 (0.36) | | - | |  | |  |  |
| 10°C | Pre | **\*31.1 (1.6e-3)** |  |  | - | |  |  | 2.1 (0.78) | |  | |  | | - | |  |  |
| Amb |  |  |  | **\*11.2 (0.038)** | | - |  |  | |  | |  | | 4.2 (0.26 | | - |  |
| High |  | 1.7 (0.78) |  | 0.6 (0.95) | | 9.5 (0.084) | - |  | | 0.8 (0.9) | |  | | 5.5 (0.17) | | 0.15 (1.0) | - |
| % mature | | 30% | 28% | 15% | 19% | | 33% | 21% | 2% | | 15% | | 8% | | 6% | | 18% | 21% |
| *Notes*: Gonad was sampled after temperature treatment but before pCO2 (6°C Pre and 10°C Pre, *n*=54), and after pCO2 treatment (Amb = 841±85 µatm, *n* = 39; High = 3045±488 µatm, *n* = 39). Pearson’s chi-square statistics are shown with *P* in parentheses for gonad sex, stage of the dominant sex, male gametes when present, and female gametes when present. Cells with \* and in bold typeface indicate significant differences between comparison; blank cells=not tested; % of mature = % of sampled oysters that contained stage 3 gametes in each treatment, for male and female gametes separately. | | | | | | | | | | | | | | | | | | |