Supporting information: Supplementary tables. Abarca, M. Lill, J. Weiss, M. Host Plant and Thermal Stress Induce Supernumerary Instars in Caterpillars.

**Supplementary table 1**. Duration of larval stadia of caterpillars growing at oscillating temperature (26 ± 5 °C) feeding on wisteria.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| larval stadia and diapause | Instar 1 | Instar 2 | Instar 3 | Instar 3.5 | Instar 4 | Instar 5 | Total Larva |
| TDdiapause | 3.78 ± 0.222 (9) | 3.78 ± 0.222 (9) | 5.89 ± 0.484 (9) | - | 8 ± 0.5 (9) | 13.4 ± 0.444(9) | 34.9± 1(9) |
| SDdiapause | 3.44 ± 0.142 (25)  | 4.08 ± 0.114 (25) | 4.36 ± 0.151 (25) | 4.52 ± 0.232 (25) | 6.52 ± 0.252(25) | 13.8 ± 0.3 (25) | 36.7± 0.88(25) |
| TD non-diapause | 3.9 ± 0.33 (15) | 4.8 ± 0.48 (15) | 7.2 ± 0.43 (15) | - | 7.47± 0.38 (15) | 11.1 ± 0.36 (15) | 34.5 ± 0.9 (15) |
| SD non-diapause | 3.85± 0.24 (20) | 4.85 ± 0.39(20) | 4.95 ± 0.26(20) | 5.7 ± 0.35(20) | 7 ± 0.38(20) | 10.47 ± 0.43(19) | 36.7± 0.52(19) |

**Supplementary table 2**. Duration of larval stadia of caterpillars growing at oscillating temperature (32 ± 5 °C) feeding on wisteria.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| larval stadia | Instar 1 | Instar 2 | Instar 3 | Instar 3.5 | Instar 4 | Instar 5 | Total Larva |
| TDdiapause | 3.5 ± 0.28(4) | 6.5± 1.2(4) | 6.25± 1.03(4) | - | 6.0± 0.6(4) | 14± 0.81(4) | 36.25± 0.60(4) |
| SDdiapause | 3.3± 0.20(21) | 4.1± 0.22(20) | 4.5± 0.18(20) | 4.9± 0.20(21) | 6.6± 0.27(21) | 15.6± 0.5(21) | 39.1± 0.79(21) |
| TD non-diapause | - | - | - | - | - | - | - |
| SD non-diapause | 3.3±0.18(18) | 4.0±0.17(17) | 4.3±0.29(17) | 4.4±0.24(18) | 5.8±0.29(18) | 9.9±0.43(18) | 31.8±0.64(18) |