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 |
| TD  diapause | 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) |
| SD  diapause | 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 |
| TD  diapause | 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) |
| SD  diapause | 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) |