Table S2. Estimates of the parameters of the Beta Function for infection rate over the different temperature regimes. Provided are the mean thermal minimum (***Tmin***), maximum (***Tmax***) and thermal optimum (***Topt***), as well as the maximum infection rate (***Fm***) with 95% confidence interval (lower CI, 2.5% and upper 97.5%). The sample sizes for these estimates were respectively 82, 85 and 63for constant, fluctuating and heat wave regimes.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **Temperatureregime** | **Infection status** | **Mean** | **CI 2.5%** | **CI 97.5%** |
| ***Fm*** | constant  | exposed | 0.96  | 0.87  | 1.00 |
| ***Fm*** | fluctuating | exposed | 0.94  | 0.84  | 1.00 |
| ***Fm*** | heat wave | exposed | 0.95  | 0.85  | 1.00 |
| ***Tmax*** | constant  | exposed | 30.23  | 27.98  | 34.04 |
| ***Tmax*** | fluctuating | exposed | 24.98  | 24.32  | 26.41 |
| ***Tmax*** | heat wave | exposed | 29.49  | 24.96 | 34.56 |
| ***Tmin*** | constant  | exposed | 9.86  | 6.39  | 10.70 |
| ***Tmin*** | fluctuating | exposed | 10.75  | 6.10  | 12.33 |
| ***Tmin*** | heat wave | exposed | 10.88 | 5.42  | 13.79 |
| ***Topt*** | constant  | exposed | 19.72  | 18.13  | 21.27 |
| ***Topt*** | fluctuating | exposed | 19.06  | 17.74  | 20.15 |
| ***Topt*** | heat wave | exposed | 19.23  | 17.49  | 20.95 |