Table S3. Estimates of the parameters of the Beta Function for parasite burden over the different temperature regimes. Provided are the mean thermal minimum (***Tmin***), maximum (***Tmax***) and thermal optimum (***Topt***), as well as the estimated number of spores at the thermal optimum (***Fm***) with their 95% confidence interval (lower CI, 2.5% and upper 97.5%). The sample sizes for these estimates were respectively 51, 46 and 46 for constant, fluctuating and heat wave regimes.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **Temperatureregime** | **Infection status** | **Mean** | **CI 2.5%** | **CI 97.5%** |
| ***Fm*** | constant  | exposed | 489.78 | 478.63 | 501.19 |
| ***Fm*** | fluctuating | exposed | 467.74 | 446.68 | 478.63 |
| ***Fm*** | heat wave | exposed | 794.33 | 758.58 | 831.76 |
| ***Tmax*** | constant  | exposed | 27.70  | 27.45 | 27.95 |
| ***Tmax*** | fluctuating | exposed | 24.80  | 24.52  | 25.07 |
| ***Tmax*** | heat wave | exposed | 28.73  | 28.17  | 29.37 |
| ***Tmin*** | constant  | exposed | 11.49  | 10.75  | 12.11 |
| ***Tmin*** | fluctuating | exposed | 11.48  | 10.18  | 12.32 |
| ***Tmin*** | heat wave | exposed | 13.91  | 13.90  | 13.91 |
| ***Topt*** | constant  | exposed | 19.44  | 19.34  | 19.54 |
| ***Topt*** | fluctuating | exposed | 19.30  | 19.23  | 19.39 |
| ***Topt*** | heat wave | exposed | 15.76  | 15.53  | 15.97 |