Table Supp S1: Mean temperature and relative humidity with standard deviation inside and outside of the hibernation sites and in the climate chamber.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| hibernation site type | city, federal state | exposed species | mean temperature (SD) per hibernation sites in °C | mean temperature (SD) outside of the hibernation site in °C | mean relative humidity (SD) per hibernation site in % | mean relative humidity (SD) outside of the hibernation site in % |
| masonary shed | Bremen, Bremen | *An. messeae, Cx. pipiens pipiens* | 5.7 (2.1) | 5.7 (3.2) | 88.9 (3.1) | 89.7 (9.9) |
|
| concrete shed | Oldenburg, Lower Saxony | *An. messeae, Cx. pipiens pipiens* | 6.0 (1.5) | 5.8 (2.9) | 93.7 (4.6) | 91.2 (9.3) |
|
| barn | Wesermarsch, Lower Saxony | *An. messeae, Cx. pipiens pipiens* | 6.3 (2.2) | 5.5 (2.8) | 88.6 (4.0) | 92.2 (8.0) |
|
| garage | Oldenburg, Lower Saxony | *Cx. pipiens pipiens* | 13.7 (2.8) | 5.8 (3.0) | 64.7 (8.5) | 90.2 (9.5) |
|
| garage | Oldenburg, Lower Saxony | *Cx. pipiens pipiens* | 6.9 (2.5) | 5.9 (2.9) | 84.3 (7.5) | 90.4 (9.6) |
|
| concrete shed | Oldenburg, Lower Saxony | *Cx. pipiens pipiens* | 16.4 (0.6) | 5.9 (2.9) | 58.1 (7.8) | 91.2 (9.3) |
|
| cellar | Bremen, Bremen | *An. messeae, Cx. pipiens pipiens* | 10.5 (0.8) | 5.7 (3.2) | 72.5 (3.9) | 89.7 (9.9) |
|
| cellar | Oldenburg, Lower Saxony | *An. messeae, Cx. pipiens pipiens* | 10.8 (1.5) | 5.8 (2.9) | 73.7 (9.2) | 91.2 (9.3) |
|
| cellar | Wesermarsch, Lower Saxony | *An. messeae, Cx. pipiens pipiens* | 11.9 (1.0) | 5.5 (2.8) | 86.4 (4.3) | 92.2 (8.0) |
|
| cellar | Bremen, Bremen | *Cx. pipiens pipiens* | 14.1 (0.8) | 6.8 (2.6) | 60.7 (5.3) | 84.5 (8.4) |
|
| cellar | Oldenburg, Lower Saxony | *Cx. pipiens pipiens* | 13.7 (0.6) | 6.8 (2.4) | 83.6 (8.1) | 85.8 (8.4) |
|
| climate chamber |   | *An. messeae, Cx. pipiens pipiens* | 10.1 (0.2) |   | 75.5 (0.8) |   |
|   |