Table S4 Number of species by group that show given relationships between persistence probability and temperature in current or preceding year only for species that occupy no less than 120 sites.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | relationship between persistence probability and temperature | | |
| species group | year | positive relation | thermal optimum | other than expected |
| Odonata (n=40) | t | 5 | 3 | 32 |
| t-1 | 2 | 9 | 29 |
|  |  |  |  |  |
| Orthoptera (n=25) | t | 0 | 1 | 24 |
| t-1 | 1 | 9 | 15 |
|  |  |  |  |  |
| Lepidoptera (n=33) | t | 1 | 1 | 31 |
| t-1 | 2 | 1 | 30 |
|  |  |  |  |  |
| Reptilia (n=6) | t | 0 | 0 | 6 |
| t-1 | 0 | 0 | 6 |
|  |  |  |  |  |
| total (n=104) | t | 6 | 5 | 93 |
|  | t-1 | 5 | 19 | 80 |