## S.3.3 Principal Component Analysis

Table S.3.3: Output of the PCA for both flying and cursorial individuals.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **PC1** | **PC2** | **PC3** | **PC4** |
| **Flying locomotion** |  |  |  |  |
| Standard deviation | 1.21 | 1.02 | 0.94 | 0.78 |
| Body size | 0.10 | -0.87 | -0.45 | 0.18 |
| Temperature | -0.62 | -0.15 | 0.42 | 0.64 |
| Average wind speed | 0.65 | 0.24 | -0.03 | 0.72 |
| Movement speed | 0.42 | -0.41 | 0.79 | -0.21 |
| **Cursorial locomotion** |  |  |  |  |
| Standard deviation | 1.17 | 1.06 | 0.93 | 0.81 |
| Body size | -0.08 | -0.78 | 0.51 | 0.35 |
| Temperature | 0.67 | -0.17 | 0.29 | -0.66 |
| Average wind speed | -0.60 | -0.41 | -0.29 | -0.63 |
| Movement speed | 0.44 | -0.44 | -0.75 | 0.22 |