Table S3.Loadings on the first two components obtained from the principal component analysis (PCA-env) using bioclimatic variables extracted from the study area (50 km-buffered minimum convex polygon enclosing the *Stenodraba* species distribution).

|  |  |  |
| --- | --- | --- |
| **Variables** | **PC1** | **PC2** |
| Annual Mean Temperature (BIO1)  | -0.20 | -0.28 |
| Mean Diurnal Range (BIO2)  | -0.25 | 0.08 |
| Isothermality (BIO3)  | -0.12 | 0.11 |
| Temperature Seasonality (BIO4)  | -0.20 | 0.03 |
| Max Temperature of Warmest Month (BIO5)  | -0.26 | -0.22 |
| Min Temperature of Coldest Month (BIO6)  | -0.11 | -0.32 |
| Temperature Annual Range (BIO7)  | -0.27 | 0.04 |
| Mean Temperature of Wettest Quarter (BIO8)  | -0.14 | -0.26 |
| Mean Temperature of Driest Quarter (BIO9)  | -0.22 | -0.26 |
|  Mean Temperature of Warmest Quarter (BIO10) | -0.23 | -0.25 |
|  Mean Temperature of Coldest Quarter (BIO11) | -0.17 | -0.29 |
|  Annual Precipitation (BIO12) | 0.21 | -0.26 |
|  Precipitation of Wettest Month (BIO13) | 0.12 | -0.29 |
|  Precipitation of Driest Month (BIO14) | 0.28 | -0.16 |
|  Precipitation Seasonality (BIO15) | -0.23 | -0.07 |
|  Precipitation of Wettest Quarter (BIO16) | 0.13 | -0.29 |
|  Precipitation of Driest Quarter (BIO17) | 0.28 | -0.17 |
|  Precipitation of Warmest Quarter (BIO18) | 0.28 | -0.17 |
|  Precipitation of Coldest Quarter (BIO19) | 0.13 | -0.29 |
| Annual Aridity Index (IA) | 0.27 | -0.19 |
| Potential evapotranspiration (PET) | -0.29 | -0.15 |
| **Variance (%)** | **42.60** | **35.96** |
| **Cumulative Proportion (%)** | **42.60** | **78.57** |