

A. Forewing size at the species distribution level of *Triatoma garciabesi*

r-PLS: 0.4163

Effect Size (Z): 4.84001

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT  -0.383781624
LONG  -0.299726046
ALT   -0.021413935
NDVI  -0.058224193
LAILV -0.008558015
LAIHV -0.169607257
TM     -0.142774791
TMMMC  0.220573717
TMMMF -0.166213331
RH     -0.533993393
PREC  -0.338464437
VELOC  0.436571794
DV     -0.20789699
```

B. Forewing size for the Eastern lineage distribution range of *Triatoma garciabesi*

r-PLS: 0.7105

Effect Size (Z): 4.34527

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT  -0.33005924
LONG  -0.15809836
ALT   -0.21913822
NDVI  -0.12381353
LAILV -0.29164352
LAIHV  0.24302300
TM     -0.30201611
TMMMC -0.06538794
TMMMF -0.39203237
RH     0.29892601
PREC  -0.18812421
VELOC -0.34495734
DV     0.40703390
```

C. Forewing size for the Western lineage distribution range of *Triatoma garciabesi*

r-PLS: 0.4295

Effect Size (Z): 4.28059

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT  -0.48769412
LONG  -0.30088109
ALT   -0.11737659
NDVI  -0.07554850
LAILV -0.09527876
LAIHV -0.03293319
TM     -0.18631830
TMMMC  0.18352424
TMMMF -0.27318219
RH     -0.42746613
PREC  -0.37955838
VELOC  0.40872475
DV     -0.07145349
```

D. Membranous portion of the forewing size for the species-level distribution range of *Triatoma garciabesi*

r-PLS: 0.4142

Effect Size (Z): 4.75243

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT   -0.3722598588
LONG  -0.2011538403
ALT   -0.0722169050
NDVI  -0.0007275207
LAILV  0.1474645969
LAIHV  -0.2358943542
TM     -0.0821905660
TMMMC  0.2027826676
TMMMF -0.1767069220
RH     -0.5075812444
PREC  -0.3431026920
VELOC  0.4075275088
DV     -0.3432399781
```

E. Membranous portion of the forewing size for the Eastern lineage distribution range of *Triatoma garciabesi*

r-PLS: 0.7508

Effect Size (Z): 4.60458

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT   -0.2958494258
LONG  -0.2219804224
ALT   -0.1674318775
NDVI  -0.0956494489
LAILV -0.3200006985
LAIHV  0.2668281709
TM     -0.2560666690
TMMMC  0.0007530453
TMMMF -0.4061324379
RH     0.2437342984
PREC  -0.2443118112
VELOC -0.3793680137
DV     0.3986086006
```

F. Membranous portion of the forewing size for the Western lineage distribution range of *Triatoma garciabesi*

r-PLS: 0.4677

Effect Size (Z): 4.75707

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT   -0.45858021
LONG  -0.31087668
ALT   -0.08002721
NDVI  -0.09137608
LAILV -0.09246965
LAIHV -0.08229719
TM     -0.13461748
TMMMC  0.22075943
TMMMF -0.29050759
RH     -0.42244453
PREC  -0.46153181
VELOC  0.32204128
DV     -0.12864540
```

G. Stiff portion of the forewing size for the species-level distribution range of *Triatoma garciabesi*

r-PLS: 0.5168

Effect Size (Z): 6.30417

P-value: 1e-04

Correlation with climatic variables:

	[,1]
LAT	-0.40143413
LONG	-0.33917509
ALT	0.04731738
NDVI	-0.13865433
LAILV	-0.02275080
LAIHV	-0.19849459
TM	-0.17451043
TMMC	0.21557288
TMMF	-0.24387519
RH	-0.44169292
PREC	-0.37933871
VELOC	0.38682258
DV	-0.19340730

H. Stiff portion of the forewing size for the Eastern lineage distribution range of *Triatoma garciabesi*

r-PLS: 0.7043

Effect Size (Z): 4.24784

P-value: 1e-04

Correlation with climatic variables:

	[,1]
LAT	-0.33602821
LONG	-0.15940710
ALT	-0.22940442
NDVI	-0.11801499
LAILV	-0.30530566
LAIHV	0.24676683
TM	-0.27932188
TMMC	-0.06806526
TMMF	-0.40347310
RH	0.27834640
PREC	-0.17669135
VELOC	-0.34750975
DV	0.40756762

I. Stiff portion of the forewing size for the Western lineage distribution range of *Triatoma garciabesi*

r-PLS: 0.5535

Effect Size (Z): 5.55297

P-value: 1e-04

Correlation with climatic variables:

	[,1]
LAT	-0.47692526
LONG	-0.32926390
ALT	-0.03942591
NDVI	-0.15110489
LAILV	-0.04689282
LAIHV	-0.10090308
TM	-0.20041888
TMMC	0.17717861
TMMF	-0.32887261
RH	-0.36441477
PREC	-0.40391442
VELOC	0.36755678
DV	-0.12884085

J. Head size for the species-level distribution range of *Triatoma garciabesi*

r-PLS: 0.5163

Effect Size (Z): 5.92309

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT   -0.46627871
LONG  -0.33656855
ALT    0.04477364
NDVI   -0.14788084
LAILV  0.09331294
LAIHV  -0.14473547
TM     -0.31510103
TMMMC  0.08484524
TMMMF -0.35816779
RH     -0.30290339
PREC  -0.21382922
VELOC  0.39598630
DV     -0.29449381
```

L. Head size for the Eastern lineage distribution range of *Triatoma garciabesi*

r-PLS: 0.6378

Effect Size (Z): 3.70595

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT   -0.36770575
LONG  -0.04610474
ALT   -0.27553156
NDVI   -0.19132201
LAILV -0.23921033
LAIHV  0.21804006
TM     -0.37490491
TMMMC -0.15880845
TMMMF -0.32110470
RH     0.36944606
PREC  -0.09652457
VELOC -0.26957789
DV     0.39751776
```

M. Head size for the Western lineage distribution range of *Triatoma garciabesi*

r-PLS: 0.5439

Effect Size (Z): 5.27721

P-value: 1e-04

Correlation with climatic variables:

```
      [,1]
LAT   -0.49024729
LONG  -0.38478079
ALT    0.01438022
NDVI   -0.21614076
LAILV  0.10130726
LAIHV  -0.08578627
TM     -0.32934976
TMMMC  0.05286002
TMMMF -0.38395956
RH     -0.22873287
PREC  -0.21635670
VELOC  0.36326511
DV     -0.23932070
```

