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| Supplementary Table 1: Mahalanobis (regular) and Procrustes (shaded) distances between groups. The upper matrix is related to wings and the lower to heads |
|  | Pm | Tb | Tj | Tl | Tm | Tp | Ts | Tt | Tv |
| Pm | \* | \* | 10.79 | 0.112 | 9.91 | 0.078 | 9.35 | 0.075 | 6.79 | 0.055 | 6.79 | 0.055 | 12.31 | 0.09 | 6.22 | 0.047 | 6.31 | 0.061 |
| Tb | 20.21 | 0.22 | \* | \* | 4.36 | 0.045 | 5.06 | 0.048 | 7.24 | 0.079 | 5.05 | 0.047 | 5.05 | 0.047 | 8.64 | 0.084 | 6.6 | 0.061 |
| Tj | 20.51 | 0.223 | 1.94 | 0.01 | \* | \* | 4.01 | 0.028 | 5.57 | 0.05 | 5.47 | 0.041 | 4.41 | 0.029 | 4.41 | 0.029 | 6.78 | 0.043 |
| Tl | 24.85 | 0.256 | 5.21 | 0.044 | 4.85 | 0.042 | \* | \* | 5.97 | 0.053 | 5.06 | 0.044 | 5.17 | 0.034 | 8.38 | 0.056 | 8.38 | 0.056 |
| Tm | 10.73 | 0.116 | 9.86 | 0.106 | 10.1 | 0.108 | 14.43 | 0.142 | \* | \* | 6.35 | 0.063 | 7.91 | 0.058 | 5.4 | 0.029 | 4.21 | 0.038 |
| Tp | 26.87 | 0.289 | 7.29 | 0.074 | 6.8 | 0.072 | 3.64 | 0.043 | 16.3 | 0.174 | \* | \* | 7.38 | 0.048 | 7.17 | 0.07 | 6.34 | 0.058 |
| Ts | 25.67 | 0.27 | 5.71 | 0.052 | 5.37 | 0.05 | 2.04 | 0.022 | 15.21 | 0.156 | 2.86 | 0.029 | \* | \*\* | 10.66 | 0.061 | 8.02 | 0.043 |
| Tt | 16.6 | 0.172 | 7.71 | 0.087 | 9.14 | 0.093 | 11.5 | 0.111 | 8.38 | 0.075 | 13.52 | 0.136 | 12.27 | 0.124 | \* | \* | 4.79 | 0.04 |
| Tv | 14.44 | 0.145 | 7.41 | 0.087 | 7.82 | 0.09 | 11.5 | 0.118 | 4.34 | 0.038 | 13.32 | 0.149 | 12.34 | 0.133 | 6.4 | 0.048 | \* | \* |
| Pm= *Panstrongylus* *megistus*, Tb= *Triatoma* *brasiliensis*, Tj= *T*. *juazeirensis*, Tl= *T.* *lenti*, Tm= *T. melanocephala*, Tp= *T*. *petrocchiae*, Ts= *T*. *sherlocki*, Tt= *T*. *tibiamaculata*, Tv= *T*. *vitticeps*. |