Table 1. Loading score principle components of eleven morphometric character aphids infesting banana

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | PC 1 | PC 2 | PC 3 | PC 4 | PC 5 | PC 6 | PC 7 | PC 8 | PC 9 | PC 10 | PC 11 |
| BL | 0.27992 | -0.07866 | 0.4617 | -0.46895 | 0.37861 | 0.1867 | 0.38613 | 0.37014 | 0.12231 | 0.055907 | 2.18E-16 |
| HW | 0.29122 | 0.35547 | 0.39172 | -0.19415 | -0.02272 | 0.15415 | -0.37776 | -0.3573 | -0.55048 | -0.0034 | -1.64E-16 |
| AL | 0.34383 | 0.004576 | -0.37322 | -0.07219 | 0.11107 | -0.06753 | 0.19765 | -0.12126 | -0.1355 | -0.03093 | -0.80453 |
| A1+2 | 0.31701 | 0.049653 | 0.13338 | -0.15542 | -0.10816 | -0.88344 | -0.1446 | 0.047326 | 0.1747 | 0.063249 | 0.072541 |
| A3-5 | 0.33203 | -0.10402 | -0.29897 | -0.03672 | -0.15145 | -0.04121 | 0.57879 | -0.26171 | -0.32367 | -0.04134 | 0.50359 |
| A6 | 0.28207 | 0.17124 | -0.52023 | -0.09241 | 0.56621 | 0.099581 | -0.3981 | 0.10054 | 0.13483 | -0.02823 | 0.30637 |
| URS | 0.17097 | 0.79704 | 0.001511 | 0.3313 | -0.19467 | 0.086347 | 0.25006 | 0.28219 | 0.16618 | 0.10301 | 7.68E-17 |
| Fem | 0.34702 | -0.07921 | 0.091345 | -0.00955 | -0.28742 | 0.2164 | -0.09826 | -0.15948 | 0.44856 | -0.7065 | -1.61E-16 |
| Tib | 0.34023 | -0.20747 | 0.007663 | 0.02583 | -0.24189 | 0.26841 | -0.1274 | -0.26395 | 0.38198 | 0.69145 | 4.17E-16 |
| Sph | 0.31158 | -0.30512 | -0.08695 | 0.14081 | -0.34861 | 0.10483 | -0.25231 | 0.6736 | -0.36404 | -5.73E-05 | 2.91E-17 |
| Cau | 0.25656 | -0.21711 | 0.31673 | 0.75683 | 0.43364 | -0.08621 | 0.051566 | -0.10644 | -0.05411 | -0.03924 | -1.32E-16 |

Table 2. Eigenvalue of principle components of morphometric characters aphids infesting banana

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PC | Eigenvalue | % variance | Eig 2.5% | Eig 97.5% |
| 1 | 7.30535 | 66.412 | 62.007 | 70.487 |
| 2 | 1.06401 | 9.6728 | 7.8058 | 12.082 |
| 3 | 0.816214 | 7.4201 | 5.8946 | 9.2712 |
| 4 | 0.543144 | 4.9377 | 3.698 | 6.1567 |
| 5 | 0.374615 | 3.4056 | 2.4729 | 4.4072 |
| 6 | 0.284917 | 2.5902 | 1.9351 | 3.2871 |
| 7 | 0.219747 | 1.9977 | 1.3779 | 2.4512 |
| 8 | 0.213727 | 1.943 | 1.3408 | 2.517 |
| 9 | 0.114373 | 1.0398 | 0.7295 | 1.2445 |
| 10 | 0.0639011 | 0.58092 | 0.32258 | 0.81371 |
| 11 | 1.91E-29 | 1.74E-28 | 3.70E-30 | 1.37E-27 |