

APPENDIX II

SAS program for profile analysis

```
DATA TEST;
  INFILE ' ';
  INPUT SPECIES $ SUBFAM $ C0 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10;
  CARDS;
PROC SORT;
  BY SUBFAM;
PROC GLM;
  CLASS SUBFAM;
  MODEL C0 C1 C2 C3=SUBFAM;
  MANOVA H=SUBFAM M=(1 -1 0 0, 0 1 -1 0, 0 0 1 -1)
/ PRINTE PRINTH;
  RUN;
PROC GLM;
  CLASS SUBFAM;
  MODEL C0 C1 C2 C3=SUBFAM;
  MANOVA H=SUBFAM M=(1 1 1 1) / PRINTE PRINTH;
  RUN;
```
