

Supplementary Figure 3.

Cluster analysis (UPGMA) performed on four micromorphological characters of 34 *Austrostipa* taxa.

See **Supplementary Table 2** for the data matrix evaluated. The subgenera of *Austrostipa* are marked by different colors. A., *Austrostipa*.

1. Subgenera of *Austrostipa*

according to Jacobs and Everett (1996)

- █ Arbuscula (3 of 4)
- █ Aulax (1 of 2)
- █ *Austrostipa* (6 of 7)
- █ Bambusina (2 of 2)
- █ Ceres (3 of 6)
- █ Eremophilae (1 of 6)
- █ Falcatae (5 of 10)
- █ Lancea (2 of 7)
- █ Lobatae (1 of 6)
- █ Longiaristatae (2 of 2)
- █ Petaurista (2 of 2)
- █ Tuberculatae (4 of 7)

(species number sampled of in total)

2. Subgenera of *Austrostipa* in this study

- █ Arbuscula (3 of 4)
- █ Aulax (1 of 2)
- █ *Austrostipa* (15 of 36)
- █ Bambusina (2 of 2)
- █ Falcatae (5 of 10)
- █ Lobatae (1 of 5)
- █ Longiaristatae (2 of 2)
- █ Paucispiculatae (1 of 1)
- █ Petaurista (2 of 2)

