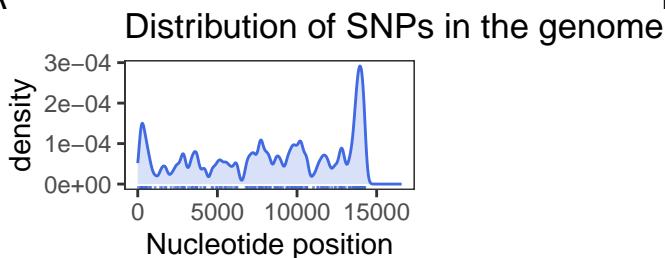


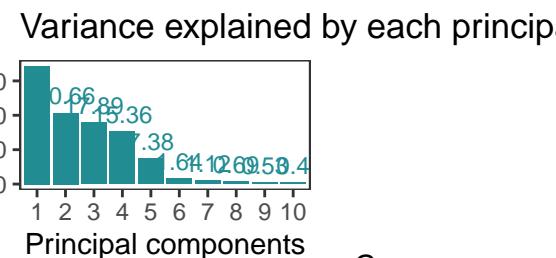
PCA analysis

Comprehensive Analysis with Enhanced Visualizations

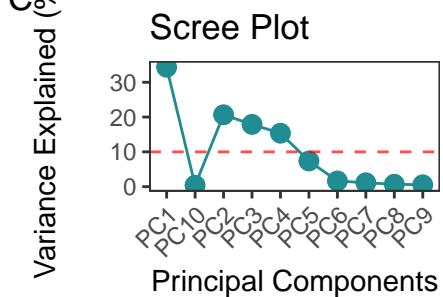
A



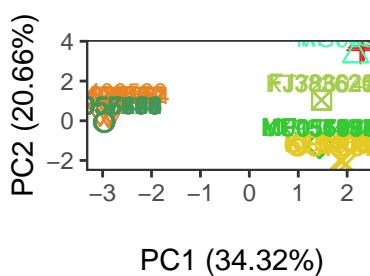
B



C



D



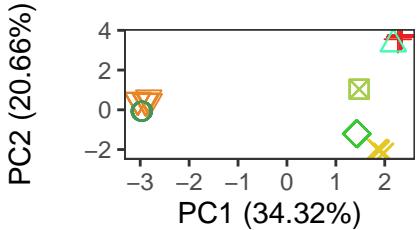
Group

- B4a1a1b
- C4a2a1a
- C4a2a1b
- E2b
- M7c1c3
- U5b3a1a

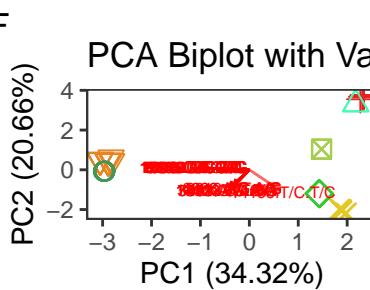
Group

- B4a1a1b
- C4a2a1a
- C4a2a1b
- E2b
- M7c1c3

E



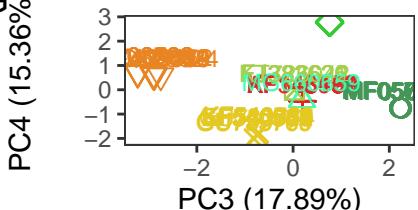
F



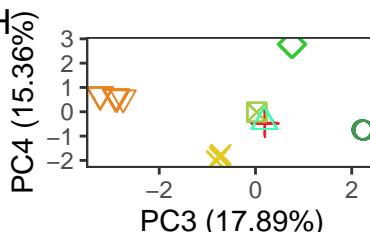
Group

- B4a1a1b
- C4a2a1a
- C4a2a1b
- E2b
- M7c1c3
- U5b3a1a

G



H



Group

- B4a1a1b
- C4a2a1a
- C4a2a1b
- E2b
- M7c1c3
- U5b3a1a