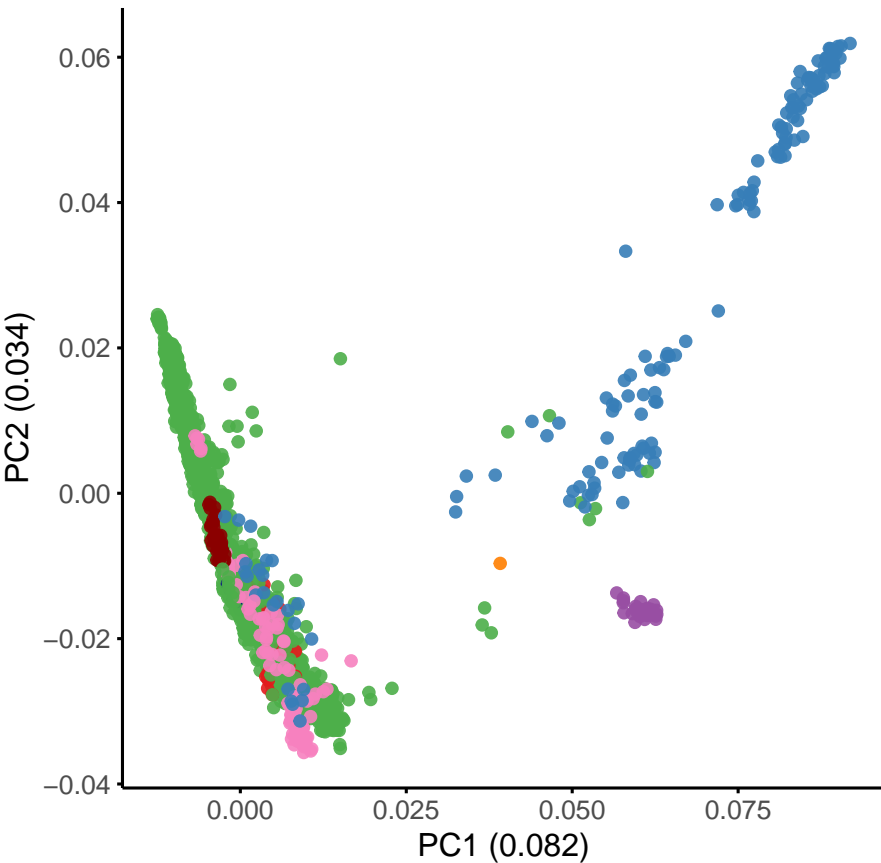**(a)** MAF = 0.02, Method = mahalanobis

(b) MAF = 0.02, Method = mahalanobis

Species

- *Secale cereale*
- *Secale cereale x vavilovii*
- *Secale strictum*
- *Secale sylvestre*
- *Secale vavilovii*
- *Secale vavilovii x cereale*
- *Secale x derzhavinii*
- *Triticum araraticum*