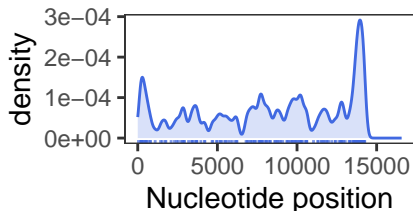
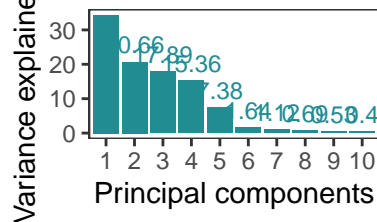


## Comprehensive Analysis with Enhanced Visualizations

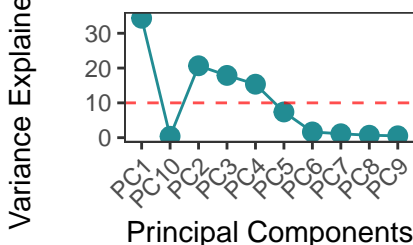
## Distribution of SNPs in the genome



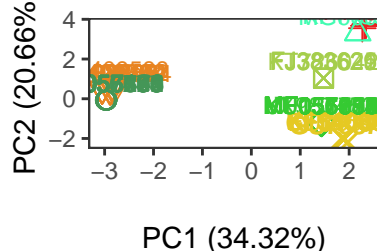
## Variance explained by each princip



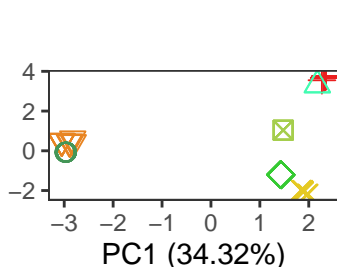
## Scree Plot



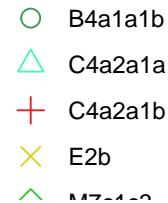
PC2 (20.66%)



PC2 (20.66%)



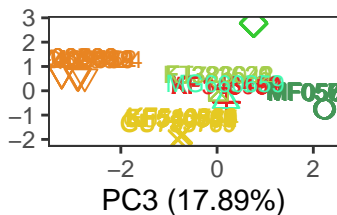
Group



Group



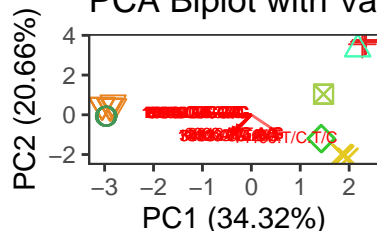
PC4 (15.36)



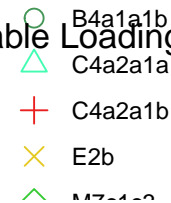
Group



## PCA Biplot with Variable Loadings



Group



Group



H (%)

