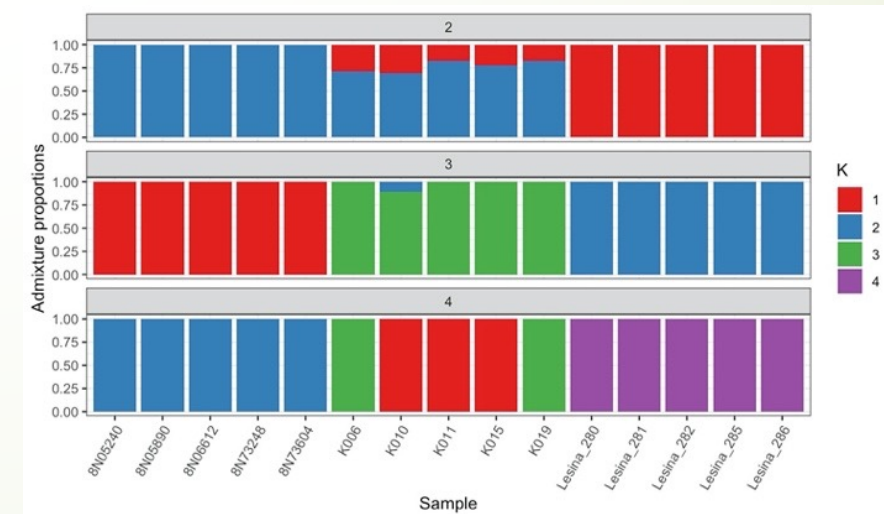
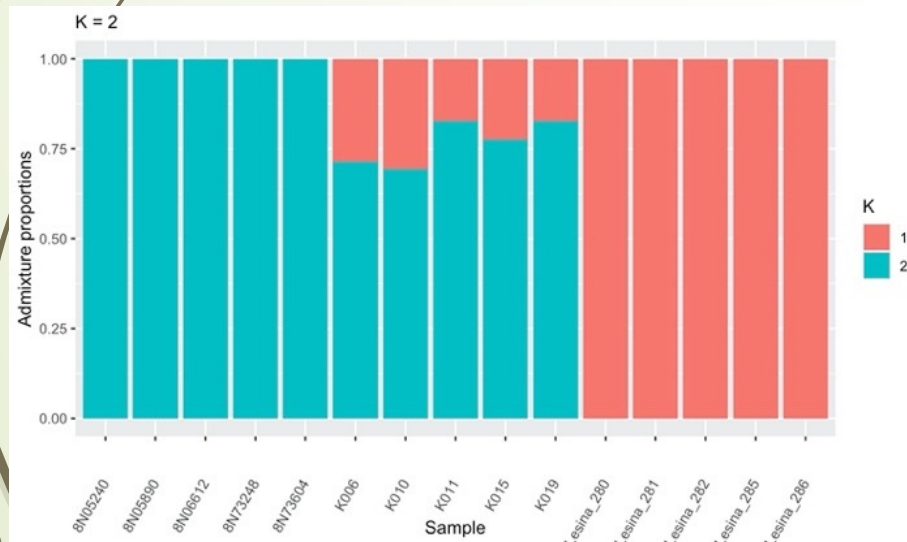
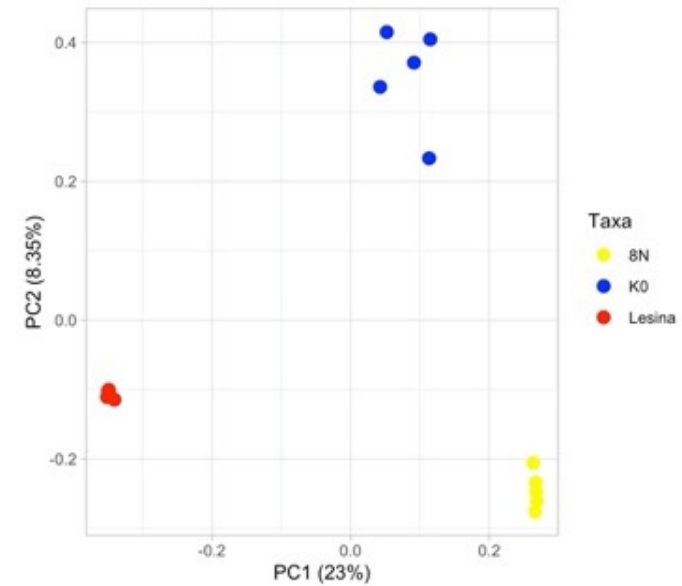
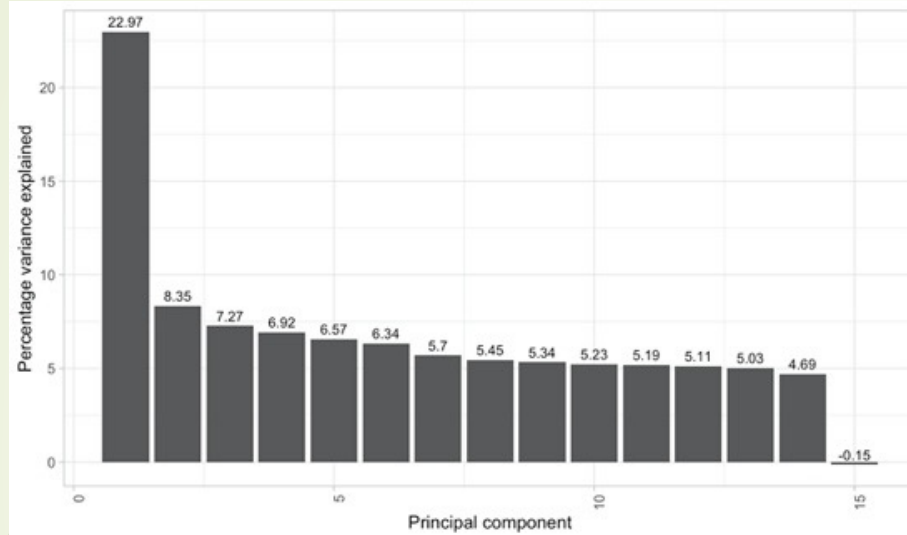


PC1 disclosed three major clusters corresponding to 8N, K0 and Lesina. The distance between 8N and K0 is closer on the PC1 axis.

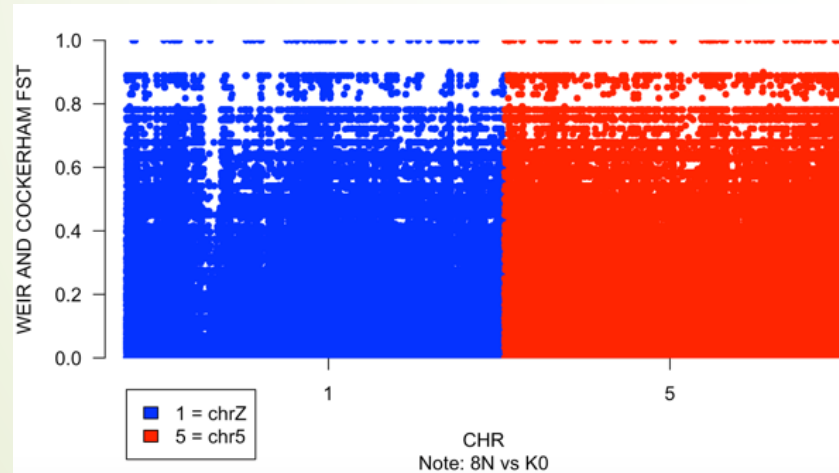
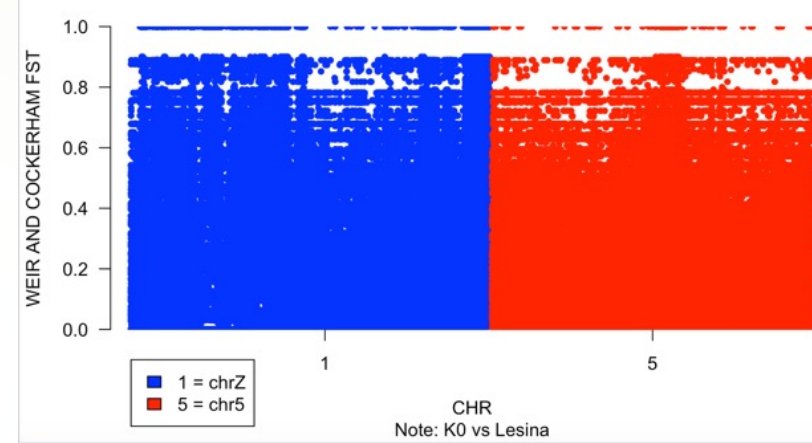
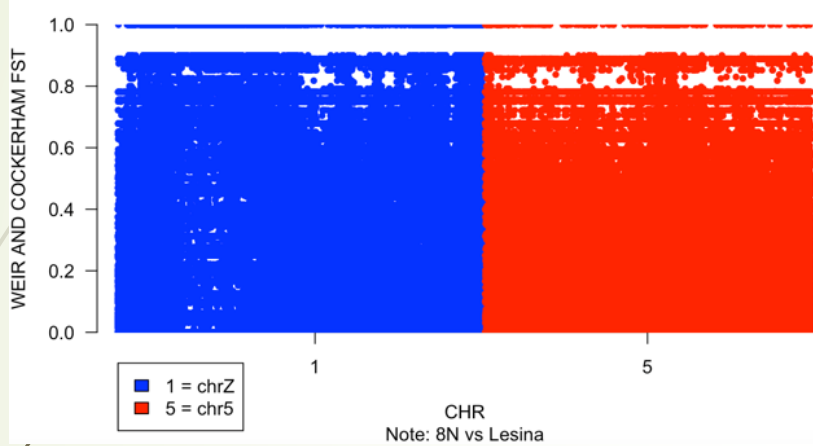
Admixture findings (K=2) found that K0 had the highest probabilities of clustering with the 8N.



## Conclusion

Moderate genetic differentiation between 8N and K0, as well as between K0 and Lesina. Relatively high genetic differentiation between 8N and Lesina, suggesting a notable degree of genetic divergence.

The PCA and admixture findings support the genetic relationships observed through  $F_{st}$  analysis, with K0 showing a closer relationship to 8N compared to Lesina.



The  $F_{st}$  in the range of 0.05–0.15 indicates moderate divergence.  $F_{st}$  estimate between the 8N and K0 was 0.054429, K0 and Lesina was 0.13074, indicating a moderate level of genetic differentiation being studied. 8N and Lesina was 0.20142 indicated that relatively high genetic differentiation between taxa