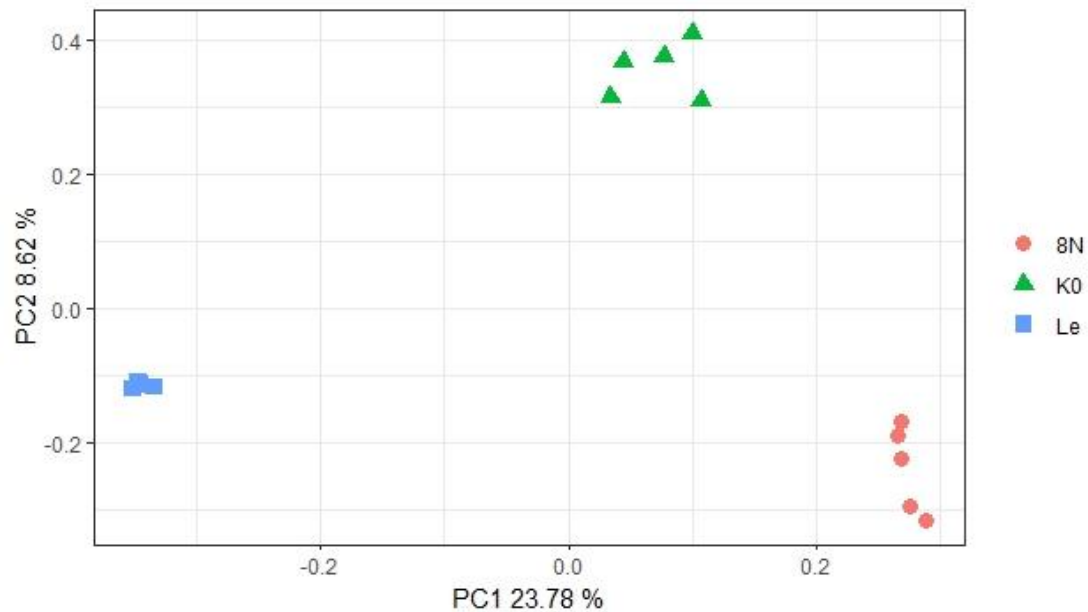
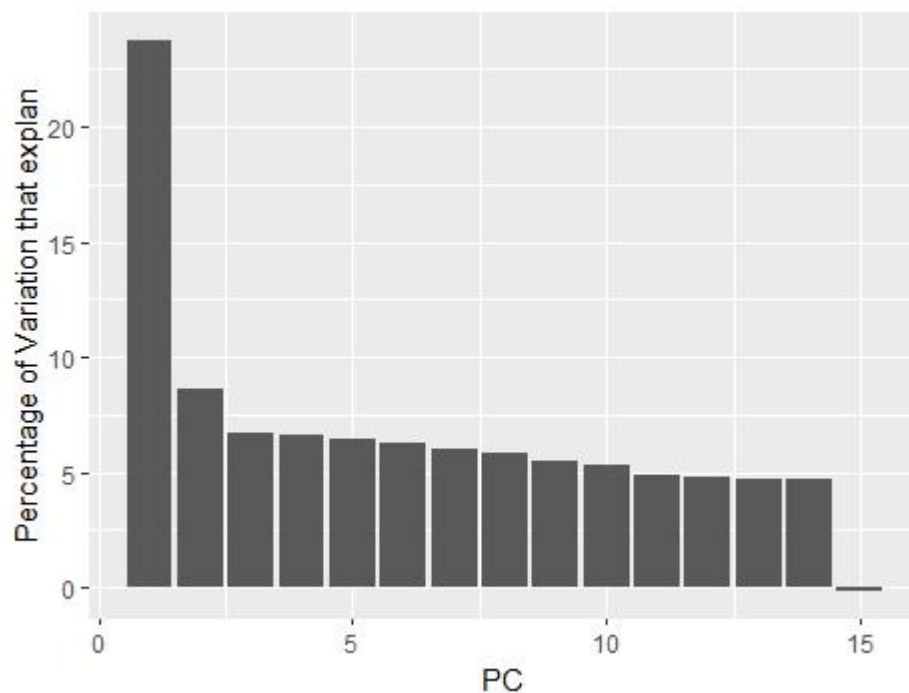


What are the multivariate relationships between the taxa?



In the PCA plot, three population locate independently to each other. Among each population, these individuals all get together with each other.

More precisely, in the PCA plot, the individuals of blue group have the similar value in both PC1 and PC2. But, individuals of red group have scattered value on PC2, compared with blue group. And individual in green group have scattered value on both PC1 and PC2.



In the plot of percentage of PC, PC1 explains the highest proportion of variation of data, making up 23.78%, and PC2 explain 8.6% of variation of data.

And among the rest of PCs ranked from third to 14th place, each PC explains around 5% of variation of data.

In conclusion, the three populations have different genotype result, and individuals in the same group have relatively similar genotype result.