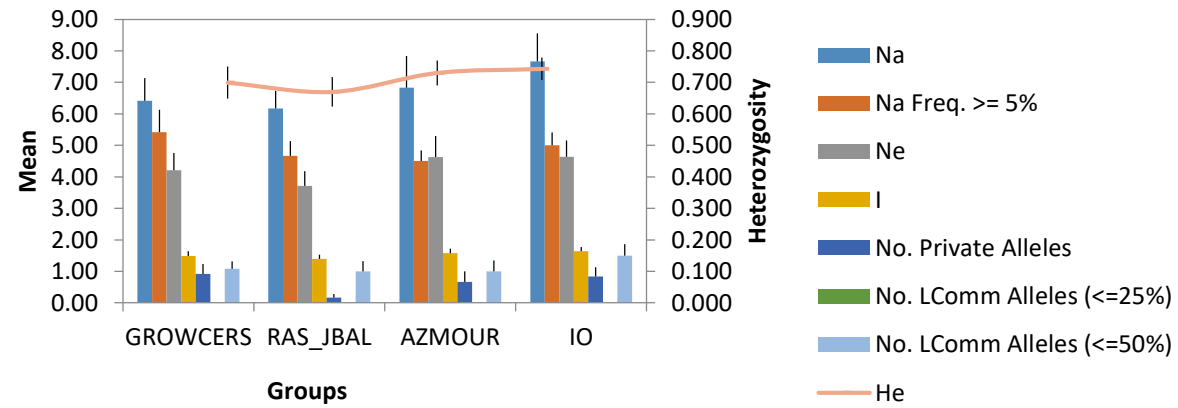
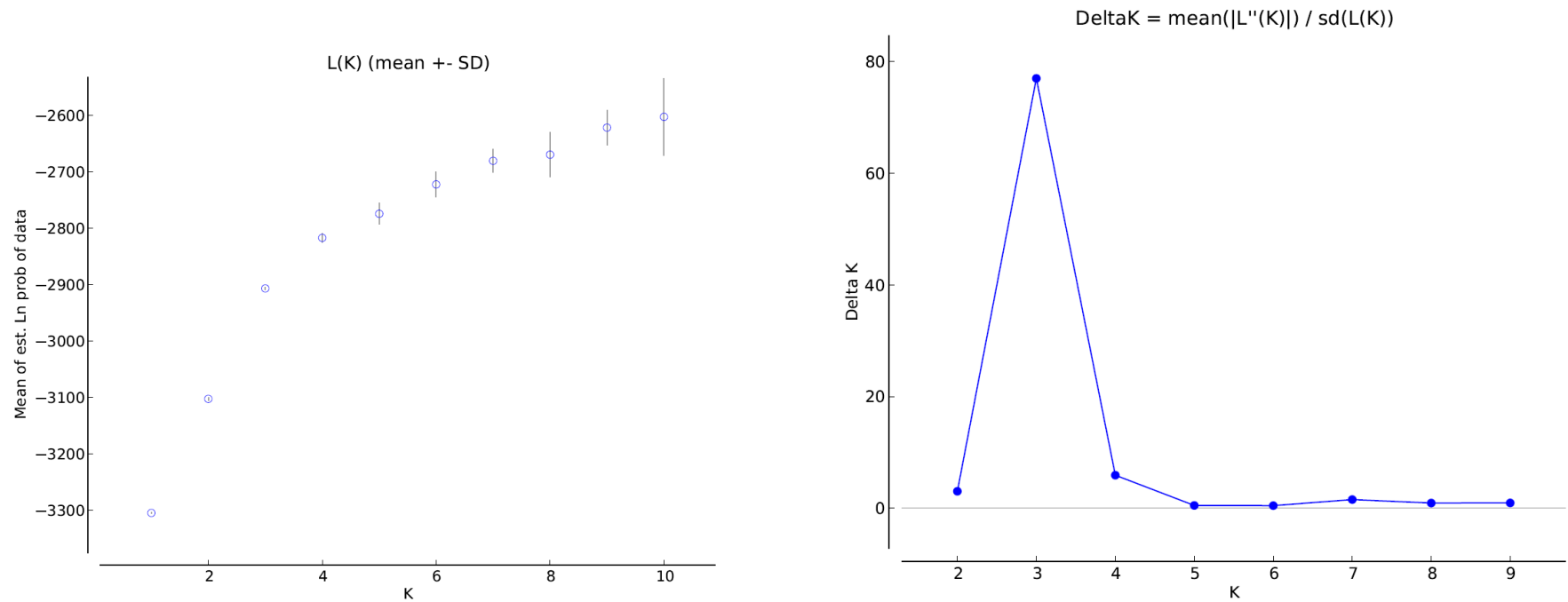


Supplementary Figure 1: Probability of identity for the 4 groups of olive genotypes considered in this study. A minimum of 3 microsatellite loci were needed to meet the PID threshold of $P < 0.01$ (Waits et al., 2001).



Supplementary Figure 2: Allelic patterns across the four groups considered in the study, based on geographic origin.



Supplementary Figure 3: a) Mean of estimation ln probabilistic data of Tunisian Olive samples; b) Graph of delta K values to determine the best number of populations present in olive germplasm collection. The best K was at K = 3.