

GENETIC DIVERSITY OF FIELD PEA GENOTYPES ASSESSED BY MORPHOLOGICAL AND MOLECULAR DATA

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Peas are one of our most ancient and important legume crops. They play an important role in both human consumption and animal nutrition. They provide an excellent source of protein and nutrients. In our work, 13 microsatellite (SSR) markers were used to identify the genetic variability of 23 field pea genotypes. In our study, the 13 SSR markers we selected showed a high degree of polymorphism. The average PIC was 0.8116. The genetic distance data for the samples were between 0.1267 and 0.2800 according to the Jaccard matching coefficient. After the construction of the UPGMA dendrogram, three main clusters were separated. The results of our marker studies were supported by morphological data obtained during field cultivation of selected samples.