

Table S1. Descriptive statistics of cpSSR loci in the studied species. The total number of alleles, total number of private alleles, the minimum, maximum, average allele size, and private alleles of studied species for each marker are presented

Locus	Total alleles	Private alleles	<i>P. brutia</i>		<i>P. halepensis</i>	
			Min-Max size	Private alleles	Min-Max size	Private alleles
Pt15169	12	6	110-119	3	105-118	3
Pt30204	8	5	132-141	5	137-139	0
Pt41093	8	4	71-79	3	72-80	1
Pt87268	15	7	161-178	5	166-179	2
Pt11048	8	3	82-87	2	81-86	1

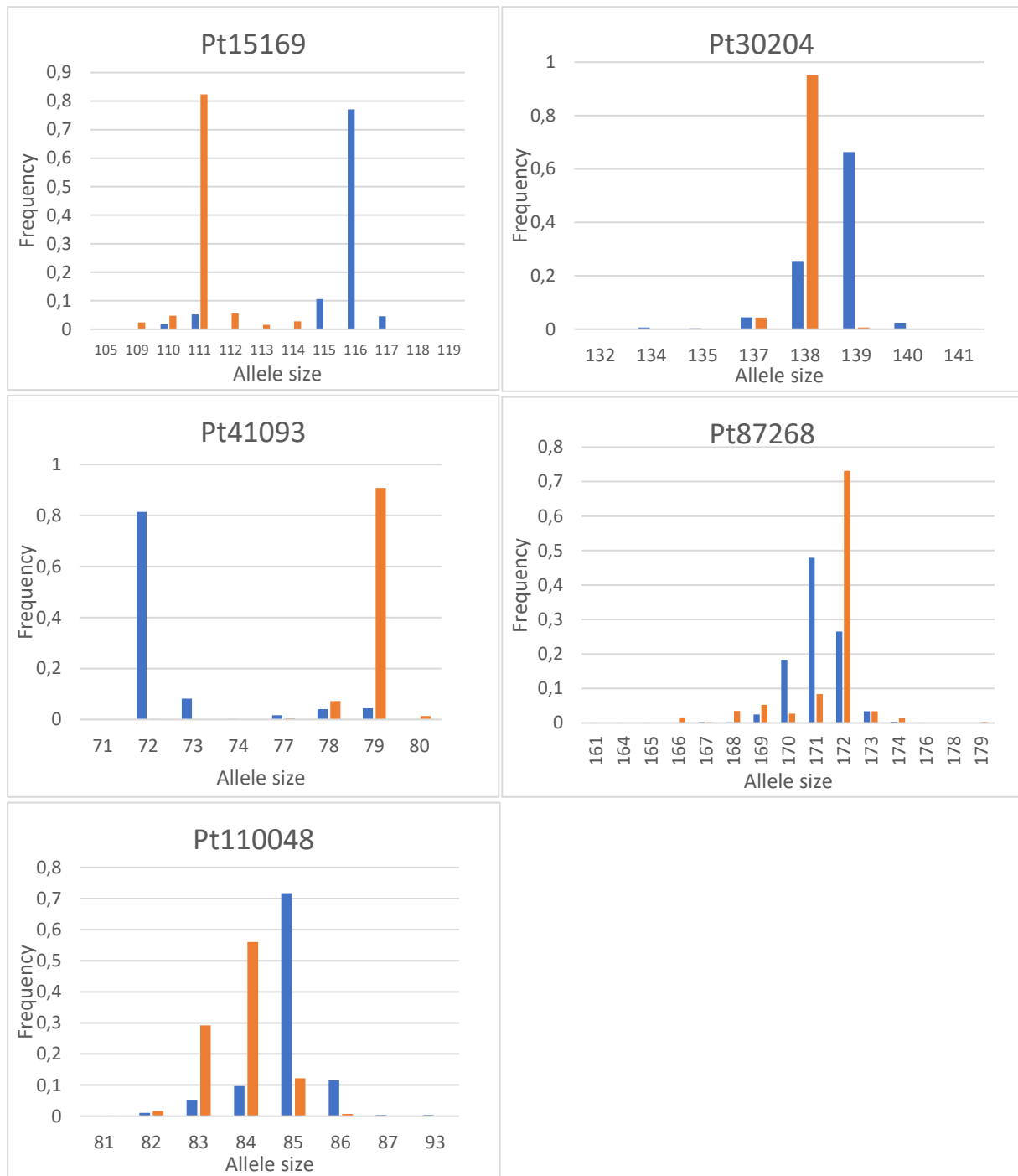


Figure S1. Distribution of allele size and frequencies for five SSR loci in Allepo pine (red bars) and Brutian pine (blue bars).

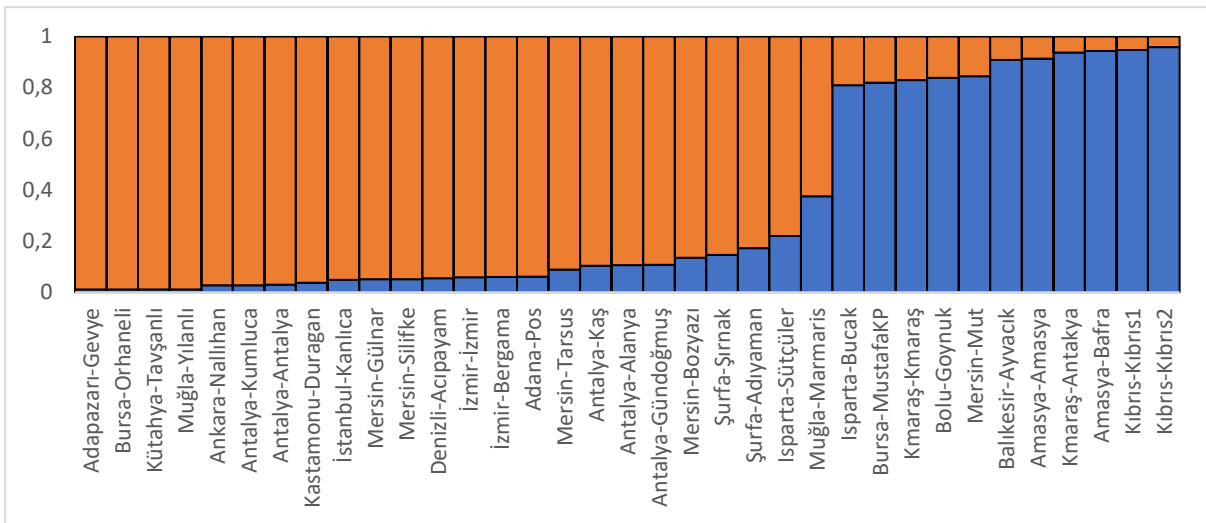
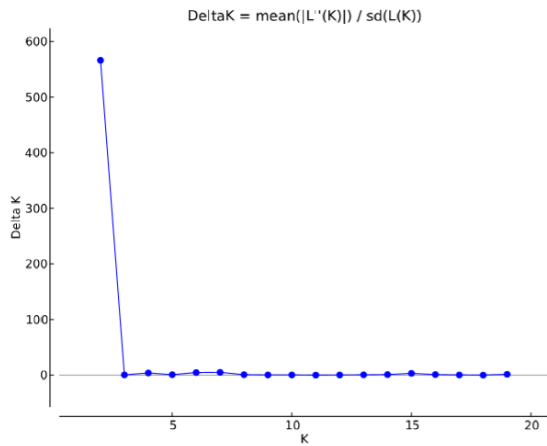


Figure S2. K-Delta graphic utilized to establish the number of clusters and Structure patterns of the Brutian pine populations

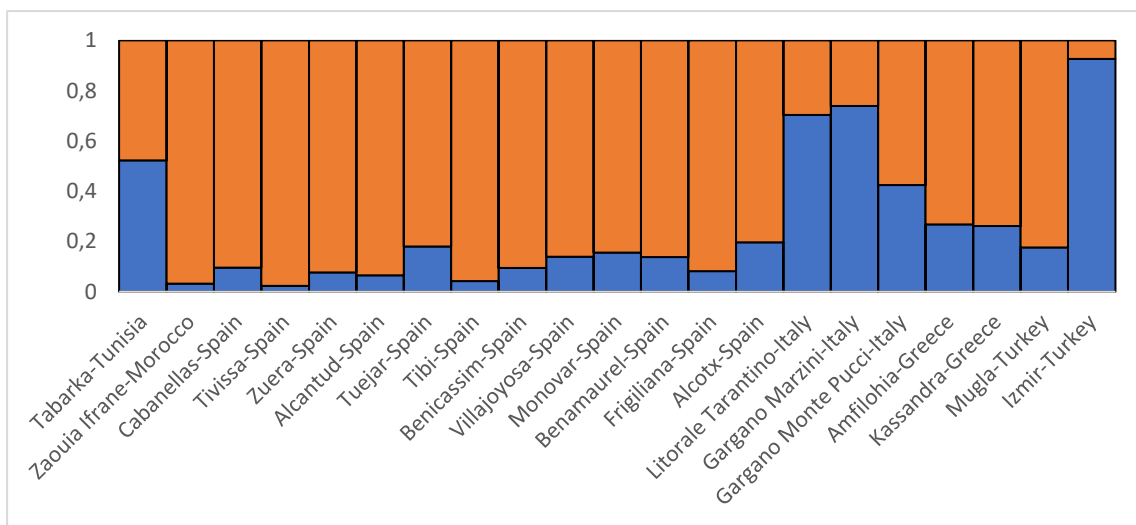
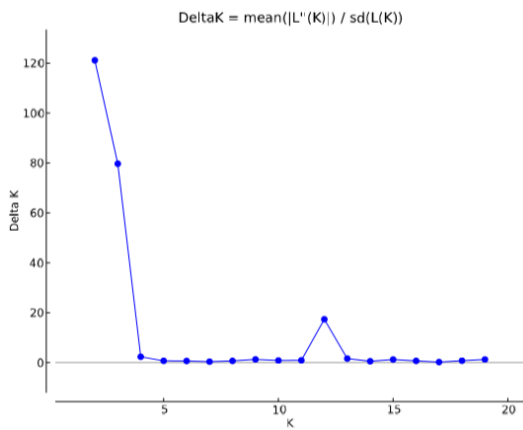


Figure S3. K-Delta graphic utilized to establish the number of clusters and Structure patterns of the Aleppo pine populations