Table 3 Analysis of molecular variance (AMOVA) for the extraction of SSR variation among groups (populations) and among individuals within populations

Grouping	Source of variation	d.f.	Sum of squares	Variance components	Percentage of variation
K=2 (2 pos and mixed)	Among populations	2	521.378	5.3344	15.3*
	Within populations	181	5326.046	29.42567	84.65
	Total	183	5847.424	34.76006	
K=3 (3 pops and mixed	Among populations	3	1156.175	8.07679	23.66*
	Within populations	180	4691.249	26.06249	76.34
	Total	183	5847.424	34.139	
K=4 (4 pops and mixed)	Among populations	4	1349.915	8.7638	25.86*
	Within populations	179	4497.509	25.12575	74.14
	Total	183	5847.424	33.88954	
K=5 (5 pops and mixed)	Among populations	5	1450.722	8.93096	26.56*
	Within populations	178	4396.702	24.70058	73.44
	Total	185	5847.424	33.63154	
K=5 (6 pops and mixed)	Among populations	6	1566.737	9.3348	27.85*
	Within populations	177	4280.687	24.18467	72.15
	Total	183	5847.424	33.51947	
Cluster analysis (6 groups)	Among populations	5	1303.463	8.16166	24.26*
	Within populations	177	4509.296	25.47625	75.74
	Total	182	5812.76	33.63791	
Analysis based on SPR (2 groups)	Among populations	1	226.525	2.14151	6.49*
	Within populations	181	5586.235	30.86318	93.51
	Total	182	5812.76	33.00469	

*p-value<0.0001