

Online Resource 14 for:

Genetic diversity and origin of the rare, narrow endemic *Asperula crassifolia* L. (Rubiaceae)

Plant Systematics and Evolution

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Online Resource 14. Analysis of population bottlenecks based on SMM and TPM models of microsatellite evolution and mode-shift test for allele frequency distribution.

Population	SMM		TPM		Allele frequencies distribution
	Sign test	Wilcoxon signed-rank test (two tailed)	Sign test	Wilcoxon signed-rank test (two tailed)	
Capri (global)	0.343	0.301	0.382	0.426	NLS
Solaro	0.173	0.312	0.210	0.461	MS
Krupp	0.293	0.074	0.253	0.195	MS
Nerano	0.176	0.156	0.486	0.437	NLS
Sirenusae	0.554	0.875	0.564	0.312	MS

No significant ($P < 0.05$) excess of heterozygosity was detected.

NLS = normal L-shaped distribution and MS = mode-shift in allele frequency distribution.