

Effect of forest management on the genetic diversity of *Abies hidalgensis*, a threatened species with restricted distribution

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Electronic Supplementary Material (ESM)

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Table S1. Alleles with higher frequency by locus and study condition

Locus	Allele/ <i>n</i>	Forest management	Conserved
Ab07	<i>N</i>	30	30
	219	0.033	0.150
	223	0.033	0.150
	228	0.133	0.150
	233	0.100	0.217
	239	0.183	0.100
	240	0.083	0.067
	243	0.050	0.033
	245	0.150	0.017
	249	0.183	0.083
	257	0.050	0.033
Ab08	<i>N</i>	30	30
	128	0.083	0.217
	133	0.083	0.233
	137	0.067	0.100
	140	0.150	0.150
	143	0.150	0.067
	146	0.200	0.000
	149	0.267	0.233
Ab09	<i>N</i>	30	30
	129	0.083	0.283
	132	0.217	0.367
	138	0.133	0.083
	142	0.150	0.100
	148	0.417	0.167
Ab12	<i>N</i>	30	30
	230	0.100	0.183
	233	0.017	0.200
	240	0.383	0.300
Ab15	<i>N</i>	30	30
	239	0.583	0.617
	245	0.417	0.383
Ab20	<i>N</i>	30	30
	134	0.133	0.167
	136	0.333	0.350
	141	0.183	0.233
	144	0.350	0.250
Ab23	<i>N</i>	30	30
	185	0.017	0.433
	187	0.383	0.417
	189	0.600	0.150

N – samples size; *n* – number of allelesTable S2. Analysis of molecular variance (AMOVA) of *Abies hidalgensis* from nuclear microsatellites

Source	<i>df</i>	<i>SS</i>	<i>MS</i>	Estimated variance	Variation (%)	<i>F</i> statistics
Between pops.	1	12	11.56	0.15	6	$F_{ST} = 0.056^{***}$
Among indiv.	58	162	2.80	0.33	13	$F_{IS} = 0.135^{***}$
Within	60	128	2.13	2.13	82	$F_{IT} = 0.183^{***}$
Total	119	302	–	2.61	100	–

*** $P < 0.001$; *SS* – sum of squares; *MS* – mean squares; F_{ST} – differentiation coefficient; F_{IS} – inbreeding coefficient; F_{IT} – total inbreeding coefficient; pops – populations; indiv. – individuals