

**S6 Table** AMOVA  $F$ -statistical comparison of genetic divergence within and between *Hyalesthes obsoletus* populations grouped according to host-plant associations or geography. The results present the percent of total among-population divergence that can be attributed to groups ( $F_{CT}$ ) or to the within-group variance ( $F_{SC}$ ).

Analysis	Overall genetic variance	Variance within group	Variance between group (host-plant or geography)	% of the total variance attributed to host-plant or geography
	$F_{ST}$	$F_{SC}$	$F_{CT}$	$F_{CT}/F_{ST} \times 100\%$
All 50 <i>H. obsoletus</i> populations genotyped in this study and single population associated with <i>V. agnus-castus</i> from Israel, grouped according to host-plant	0.180***	0.047***	0.139***	77%
Montenegrin and Greek <i>H. obsoletus</i> populations from <i>V. agnus-castus</i> , grouped according to regional affiliation	0.097***	0.041***	0.059*	60%
Montenegrin and Greek <i>H. obsoletus</i> populations from <i>V. agnus-castus</i> and single population associated with <i>V. agnus-castus</i> from Israel, grouped according to regional affiliation (2 clusters) as classified by STRUCTURE	0.108***	0.064***	0.046**	42%

\* $p < 0.05$ ; \*\* $p < 0.01$ ; \*\*\* $p < 0.001$ .