

Table S1: AMOVA design and results from 245 individuals.

Structure design	Source of variation	d.f.	Sum of squares	Variance components	Percentage of variation
3 Groups: Group 1= Granada Group 2= Málaga Group 3= Almería	Among populations	2	10.234	-0.00542 Va	-0.09
	Among individuals within populations	242	1451.158	0.13602 Vb	2.32
	Within populations	245	1402.500	5.72449 Vc	97.77
	Total	489	2863.892	5.85509	Fixation index FIS:0.02321 FST: -0.00099 FIT: 0.02230