

Table S1: Sampling localities for *Thaumetopoea* spp. and number of sequenced and genotyped individuals. No COI: number of individuals sequenced for the COI gene; No ITS1: number of individuals sequenced for the ITS1 domain; No microsat: number of individuals genotyped for the 5 microsatellite loci.

Species	Country	Locality	Code	Geographic coordinates	No COI	No ITS1	No microsat
<i>T. pityocampa</i>	Portugal	Leiria (Winter)	PT-LW	39° 50' N; 8° 57' W	6	2	36
<i>T. pityocampa</i>	Portugal	Leiria (Summer)	PT-LS	39° 43' N; 8° 59' W	5	2	29
<i>T. pityocampa</i>	Portugal	Viseu	PT-VIS	40° 40' N; 7° 54' W	5	2	24
<i>T. pityocampa</i>	Portugal	Alcacer	PT-ALC	38° 23' N; 8° 31' W	5	2	31
<i>T. pityocampa</i>	Portugal	Apostica	PT-APO	38° 34' N; 9° 08' W	6	2	-
<i>T. pityocampa</i>	Portugal	Vargès	PT-VAR	41° 52' N; 6° 40' W	5	2	-
<i>T. pityocampa</i>	Portugal	Sevivas	PT-SEV	41° 31' N; 7° 30' W	5	2	-
<i>T. pityocampa</i>	Spain	Boltaña	SP-BOL	42°26' N; 0°02' E	6	-	-
<i>T. pityocampa</i>	Spain	Granada	SP-GRA	37° 47' N; 3° 46' W	6	2	23
<i>T. pityocampa</i>	Spain	Guadarrama	SP-GUA	40°41' N; 4°02' W	5	2	24
<i>T. pityocampa</i>	France	Bordeaux	FR-BOR	44°44' N; 0°46' W	6	2	-
<i>T. pityocampa</i>	France	Toulon	FR-TOU	43°03' N; 5°51' E	5	2	-
<i>T. wilkinsoni</i>	Cyprus	Limassol Evrychou Platania	ThWil	34° 40' N; 33° 02' E 34° 55' N; 32° 53' E 35° 00' N; 32° 40' E	4	2	-
<i>T. pinivora</i>	Sweden	Gotland Island	ThPin	57°30' N; 18°30' E	5	2	-
<i>T. solitaria</i>	Lebannon	Smar jbeil	ThSol	34°13' N; 35°04' E	5	2	-
<i>T. processionea</i>	France	Nancy	ThPro	48°35' N; 6°25' E	-	2	-