

Table S1. Mean seed weight (SW, mg), seed dormancy (Dorm, non-germinated seeds in control conditions, %) and germination (%) after heat treatments (100°C, 120°C, and 150°C for 5 minutes), smoke treatments (S) and heat plus smoke treatment (100°C +S) with their corresponding control treatments (C), for each population (Pop) and species (*Cistus salviifolius* and *Lavandula stoechas*). Differences in germination between treatments and respective controls were evaluated using a GLM. ns: non-significant, * p < 0.05, ** p < 0.01, *** p < 0.001, **** p < 0.0001). For each species and region (Iberia and Anatolia) it is also shown the mean (and standard deviation, SD) of seed weight (mg) seed dormancy and of germination stimulation after each treatment (differences in germination between treatment and control, %).

Pop	SW (mg)	Dorm	C	Treatment						
				100°C	Heat 120°C	150°C	C	Smoke S	Heat + Smoke 100°C +S	
<i>Cistus salviifolius</i>										
IB1	1.1347	90	10	18 ns	90****	96****	22	11 **	19 ns	
IB2	1.0967	98	2	28****	84****	97****	7	6 ns	36****	
IB3	0.8011	96	4	56****	87****	100****	8	8 ns	51****	
Mean (sd)	1.01 (0.18)	94.0 (4.4)		28.0 (22.3)	81.0 (2.0)	91.7 (5.9)		-4.0 (6.1)	23.0 (23.6)	
AN1	1.1524	90	10	32****	91****	99****	5	14 **	20****	
AN2	1.2865	97	3	10 **	52****	99****	2	3 ns	4 ns	
AN3	0.8547	93	7	91****	86****	92****	6	8 ns	60****	
Mean (sd)	1.09 (0.22)	93.3 (3.5)		37.7 (40.8)	69.7 (17.9)	90.0 (5.6)		4.0 (4.3)	23.7 (27.1)	
<i>Lavandula stoechas</i>										
IB1	0.8212	65	35	52***	59****	41 ns	33	95****	93****	
IB2	0.7045	46	54	50 ns	68 **	24****	51	99****	95****	
IB3	0.6096	44	56	69 **	76****	26****	3	99****	91****	
Mean (sd)	0.70 (0.11)	51.7 (11.6)		8.7 (11.1)	19.3 (5.0)	-18.0 (20.8)		48.7 (29.7)	44.0 (16.0)	
AN1	0.7068	52	50	50 ns	87****	97****	30	99****	99****	
AN2	0.8261	48	52	66 *	96****	54 ns	85	100****	100****	
AN3	0.7267	83	17	39****	69****	75****	19	100****	100****	
Mean (sd)	0.75 (0.06)	60.3 (19.7)		12.0 (11.1)	44.3 (7.5)	35.7 (29.7)		55.0 (35.2)	55.0 (35.2)	