

Table S1 – Poliannual (1993-2023) temperatures and rainfall in the collection area of *Cakile maritima* fruits, in the Northern Apulia region

Month	Temperatures (°C)		Rainfall
	minimum	maximum	(mm)
January	3	12	42
February	3	13	41
March	5	15	43
April	7	19	36
May	11	24	37
June	15	28	36
July	18	32	26
August	18	31	27
September	15	28	46
October	11	22	53
November	7	17	53
December	4	13	57

Table S2 - Monthly maximum and minimum temperatures during stratification trials (3 and 4) of *Cakile maritima* fruits.

Month	Trial 3 (2022-2023)			Trial 4 (2023-2024)		
	Day	Tmax	Tmin	Day	Tmax	Tmin
Sept.	26*	20.0±2	18.0±2	-		
October		20.0±2	18.0±2	-		
November	30	20.0±2	18.0±2	13**	18.8	9.4
December	01**	19.5	8.2		16.7	8.2
January		13,4	5.9		14.6	7.3
February		14.2	4.9		17.5	8.0
March		18.1	8.3		19.0	9.2
April		18.5	9.5	04	24.9	12.2
May	15	21.5	13.2	-		

\* in the growth chamber from September 26, 2022, to November 30, 2022.

\*\* the open-air phase.