

Environmental Stress Tolerance and Intraspecific Variability in *Cortaderia selloana*: Implications for Invasion Risk in Mediterranean Wetlands

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Supplementary material

Table S1. Summary of climatic data recorded at the SIAR stations (Ministry of Agriculture, Fisheries and Food) closest to the sampled populations: (a) Polinyà del Xúquer for Sueca and (b) Gandía-Marxuquera for Gandía. The table shows, on a monthly basis: number of days per month, mean temperature (°C), absolute maximum temperature (°C), absolute minimum temperature (°C), mean relative humidity (%), and total precipitation (mm). The last row presents the annual means for all these variables.

(a) POLINYÀ DEL XÚQUER						
Month	Nº Days	Mean T (°C)	Max T (°C)	Min T (°C)	Mean H (%)	Precipitation (mm)
JANUARY	31	10.29	25.69	0.67	73.09	33.16
FEBRUARY	29	12.05	25.23	3.96	67.95	8.80
MARCH	31	13.38	26.63	3.35	69.53	37.98
APRIL	30	15.46	28.92	3.62	67.79	34.32
MAY	31	19.14	31.73	7.85	68.78	16.97
JUNE	30	22.84	32.74	12.75	75.41	22.74
JULY	31	25.80	38.79	17.45	80.24	3.89
AUGUST	31	25.95	34.56	18.72	83.24	15.37
SEPTEMBER	30	22.93	34.29	11.48	80.35	78.84
OCTOBER	31	18.81	34.36	11.14	79.53	54.91
NOVEMBER	30	14.48	24.76	9.20	87.99	67.36
DECEMBER	31	11.79	24.63	2.88	73.40	20.09
Annual average		17.137	30.32	8.52	74.40	27.95
(b) GANDÍA-MARXUQUERA						
Month	Nº Days	Mean T (°C)	Max T (°C)	Min T (°C)	Mean H (%)	Precipitation (mm)
JANUARY	31	10.29	25.69	0.67	73.09	33.16
FEBRUARY	29	12.05	25.23	3.96	67.95	8.80
MARCH	31	13.38	26.63	3.35	69.53	37.98
APRIL	30	15.46	28.92	3.62	67.79	34.32
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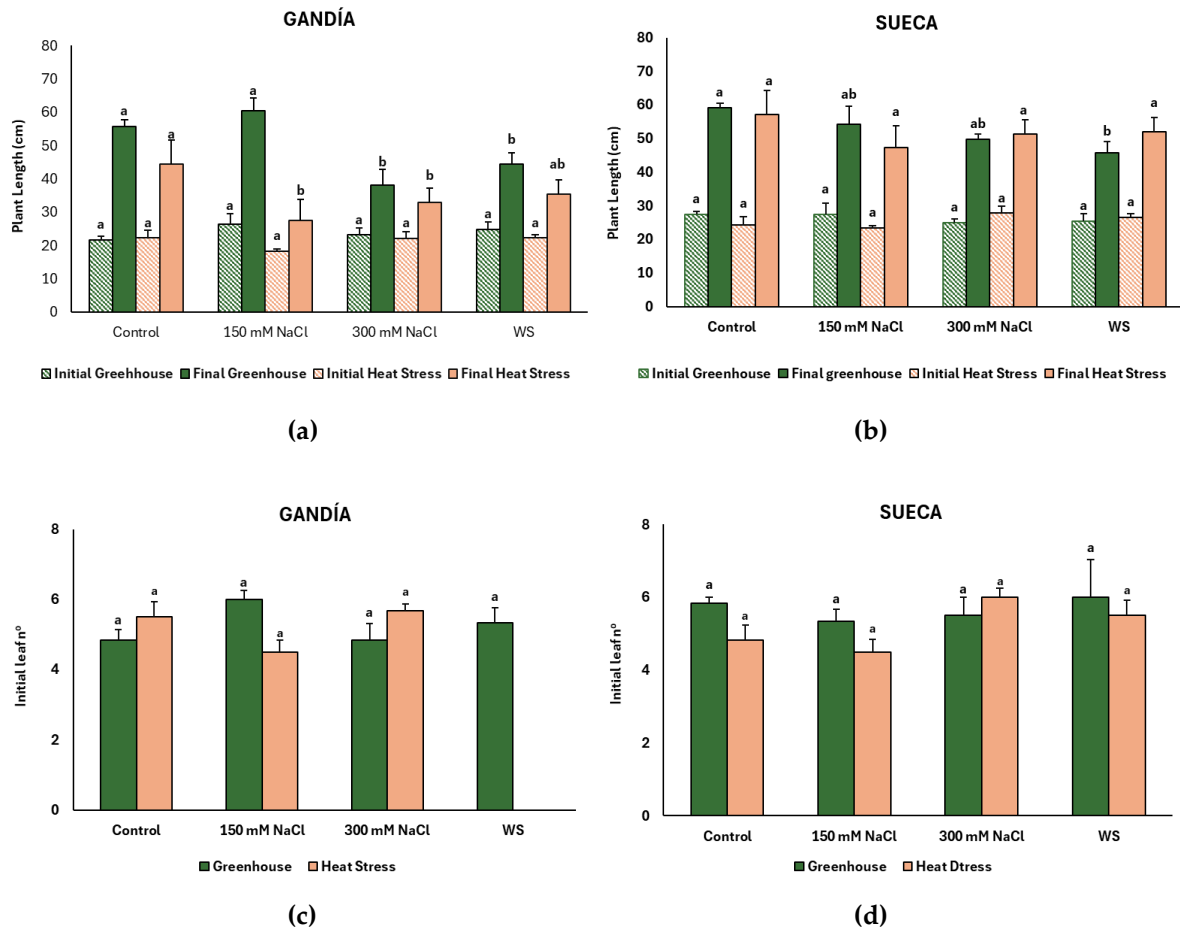


Figure S1. Initial and final plant length (a, b) and initial number of leaves (c, d) in *Cortaderia selloana* plants from the Gandía and Sueca populations, grown under two temperature regimes: greenhouse conditions (green bars) and heat stress conditions (red bars), according to the applied treatment (control, 150 mM NaCl, 300 mM NaCl, and water stress). Values shown are means $\pm$ SE; n = 6. Different letters within each locality indicate significant differences between treatments at the 95% confidence level, as determined by Tukey's test.

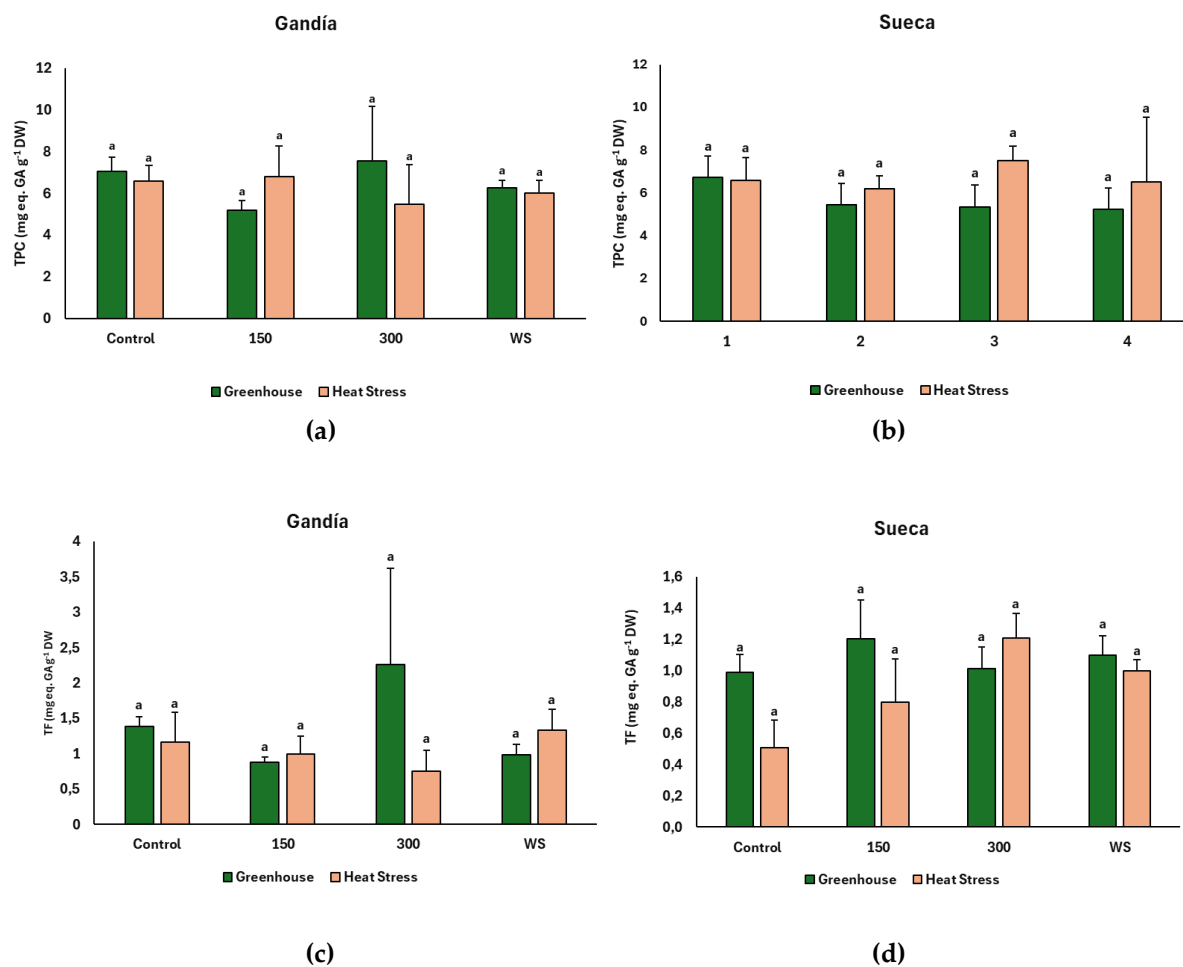


Figure S2. Total phenolic compounds (TPC; a, b) and total flavonoids (TF; c, d) in *Cortaderia selloana* plants from the Gandía and Sueca populations, grown under two temperature regimes: greenhouse conditions (green bars) and heat stress conditions (red bars), according to the applied treatment (control, 150 mM NaCl, 300 mM NaCl, and water stress). Values shown are means $\pm$ SE; $n = 6$. Different letters within each locality indicate significant differences between treatments at the 95% confidence level, as determined by Tukey's test.