Supplementary Material

Contrasting oxygen dynamics in Limonium narbonense and Sarcocornia fruticosa during partial and complete submergence

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Table S1. Steady state intraplant O_2 concentrations (μ mol L^{-1}) in photosynthetic tissues and roots in *Limonium narbonense* and *Sarcocornia fruticosa*, during drained condition, waterlogging, partial or complete submergence, in darkness or light

Values are means \pm standard deviation (n = 3); \blacklozenge indicates n = 2. Letters indicate significant differences ($P \le 0.05$) based upon ANOVA and Tukey's HSD post-hoc test

	Darkness				Light			
	Drained condition	Waterlogging	Partial submergence	Complete submergence	Drained condition	Waterlogging	Partial submergence	Complete submergence
L. narbonense								
Petiole	172.4±4.9 a	167±25.2 a	9.1±6.1 ^g	4.5±4.9 [♦] g	174.2±4.7 a	163.1±3.1 ab	91.8±10.7 ^{cd}	73 ± 28^{cdef}
Adventitious root	69±22.9 cdef	71.6±27 ^{cdef}	5.6±4.2 ^g	0±0 ^g	71.3±23.3 ^{cdef}	71.8±21.4 ^{cdef}	17.9±14.1 fg	6.6±4.5 ^g
S. fruticosa								
Article	194.6±18.4°	198.4±25.3 a	106.8±28.1 bc	86.8±30.3 ^{cde}	195.6±18.6 a	204.7±23.3 a	180.1±7.4 a	179.7±13.7 a
Root	71.7±17 ^{cdef}	98.8±30.6 ^{cd}	$44.4{\pm}16^{defg}$	3.8 ± 5 g	75.8±14.4 ^{cdef}	57.9±16.1 cdefg	31.3±3 ^{♦ efg}	25.1±2 fg

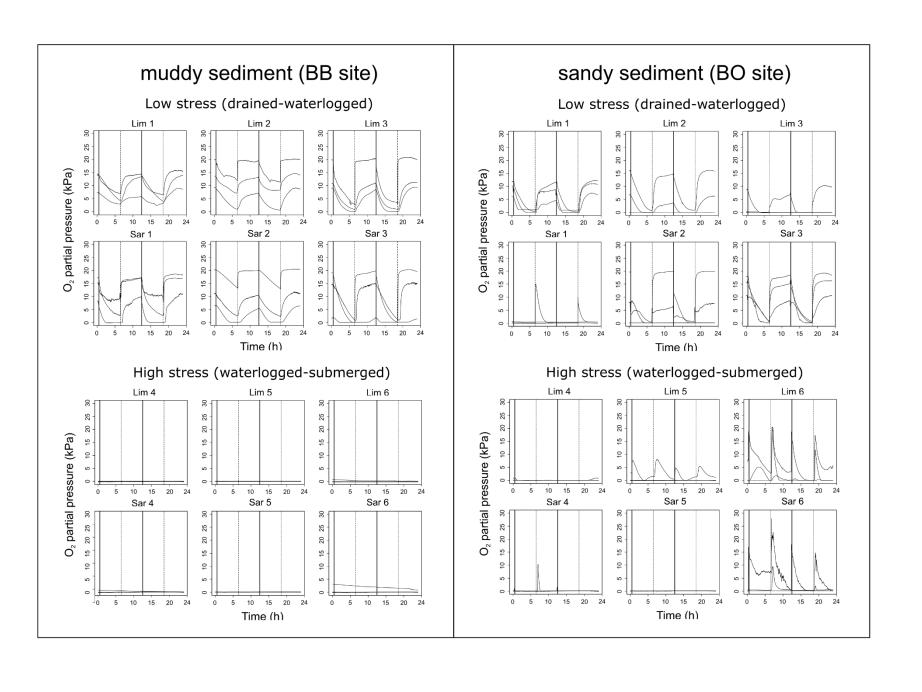


Fig. S1. Oxygen dynamics, expressed as O₂ partial pressure, in sediment monitored during plant acclimation, in muddy sediment (BB) and sandy sediment samples (BO). In each graph, continuous vertical lines refer to an increase of water level (up to waterlogging for the low stress, up to complete submergence for high stress), dashed vertical lines refer to a decrease of water level (down to drained condition for low stress, down to waterlogging for high stress). The two species are identified by the abbreviations Lim for *Limonium narbonense* and Sar for *Sarcocornia fruticosa* with a number (1–6) corresponding to different plant individuals.