

Table S2. Number of individuals of *Spartina densiflora* \times *foliosa* ($n = 4$) with worst- or best-parent heterosis for 36 traits measured at each treatment combination of salinities (0.5, 10, 20 and 40 ppt) and inundation depths (shallow inundation (SI), 4.4 cm deep; intermediate inundation (II), 35.5 cm deep; deep inundation (DI), 55.0 cm deep). Percentages of individuals are marked in bold.

	0.5SI	10SI	20SI	40SI	SI	0.5II	10II	20II	40II	II	0.5DI	10DI	20DI	40DI	DI	0.5	10	20	40	Total
AGB : BGB	4	4	4	4	100	4	4	4	4	100	4	4	4	4	100	100	100	100	100	100
Tiller length	4	4	4	4	100	4	4	4	3	94	4	4	4	4	100	100	100	100	92	98
Δ rhizome TNC	4	4	4	4	100	4	4	4	4	100	4	4	4	4	100	100	100	100	100	100
Root Mass Ratio	2	2	4	4	75	2	2	4	4	75	4	4	4	2	88	67	67	100	83	79
Tillers growth rate (TGR)	3	4	3	4	88	4	0	1	4	56	3	1	3	2	56	83	42	58	83	67
Rhizome TNC	1	2	1	4	50	0	3	3	4	63	4	1	3	4	75	42	50	58	100	63
Rhizome Nitrogen content	3	3	4	0	63	2	0	3	3	50	0	0	1	1	13	42	25	67	33	42
Chl <i>a</i> content	2	3	0	4	56	1	0	0	0	6	3	3	0	1	44	50	50	0	42	35
Rhizome C:N ratio	3	2	4	0	56	2	0	3	2	44	0	0	1	1	13	42	17	67	25	38
Leaf Na content	1	1	3	2	44	0	1	3	2	38	0	0	1	3	25	8	17	58	58	35
Na excretion	0	0	0	0	0	2	0	1	0	19	4	1	0	1	38	50	8	8	8	19
Chl. <i>a</i> + <i>b</i> content	1	3	0	4	50	1	0	0	0	6	3	3	0	1	44	42	50	0	42	33
Chl <i>b</i> content	2	2	0	1	31	1	0	0	0	6	2	0	0	1	19	42	17	0	17	19
Net photosynthesis rate	0	1	0	1	13	0	2	0	2	25	1	0	0	2	19	8	25	0	42	19
Proline content	2	2	2	0	38	0	0	1	0	6	0	0	0	2	13	17	17	25	17	19
Glycinebetaine content	3	2	0	0	31	0	2	0	0	13	2	0	0	0	13	42	33	0	0	19
Stomatal conductance	1	1	1	0	19	1	1	1	0	19	0	0	0	2	13	17	17	17	17	17
Root porosity	0	0	2	1	19	2	0	0	1	19	0	1	0	1	13	17	8	17	25	17
Carotenoids content	0	2	0	1	19	0	0	0	0	0	2	1	0	1	25	17	25	0	17	15
Specific Leaf Area	2	1	1	0	25	0	0	0	0	0	2	1	0	0	19	33	17	8	0	15
Chl <i>a</i> : Carotenoids ratio	1	0	1	1	19	0	0	0	1	6	1	0	1	1	19	17	0	17	25	15
Below-ground biomass (BGB)	2	3	1	0	38	0	0	0	0	0	0	1	0	0	6	17	33	8	0	15
Leaf Rolling	2	2	0	2	38	0	0	0	0	0	0	0	0	1	6	17	17	0	25	15
Root biomass (% BGB)	0	0	2	1	19	0	1	0	0	6	1	1	0	0	13	8	17	17	8	13
Leaf biomass (% AGB)	0	0	0	3	19	0	0	1	0	6	0	0	2	0	13	0	0	25	25	13
Leaf Nitrogen content	3	0	2	0	31	0	0	0	0	0	0	0	0	1	6	25	0	17	8	13
Leaf C:N ratio	3	0	2	0	31	0	0	0	0	0	0	0	0	1	6	25	0	17	8	13
Rhizome biomass (% BGB)	0	0	2	1	19	0	2	0	0	13	1	0	0	0	6	8	17	17	8	13
Tiller biomass (% AGB)	0	1	1	3	31	0	0	0	1	6	0	0	0	0	0	0	8	8	33	13
Inflorescences biomass (% AGB)	0	4	1	0	31	0	0	0	0	0	0	0	0	0	0	0	33	8	0	10
Chl <i>a</i> : Chl <i>b</i> ratio	2	0	1	0	19	0	2	0	0	13	0	0	0	0	0	17	17	8	0	10
Water Use Efficiency	0	0	0	0	0	0	0	1	0	6	0	0	1	1	13	0	0	17	8	6
Rhizome porosity	0	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2
Leaf Water content	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leaf Carbon content	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhizome Carbon content	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	34	36	34	34		20	19	23	24		30	20	20	28						