

Supplementary Material

Improved reproductive growth of euhalophyte *Suaeda salsa* under salinity is correlated with altered phytohormone biosynthesis and signal transduction

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Table S1. Primer pairs for quantitative real-time PCR.

Table S2. DEGs related to aldehyde dehydrogenase in flowers from control and NaCl-treated plants, as determined by RNA-seq analysis.

Table S1. Primer pairs for quantitative real-time PCR

Genes	Sense primer (5' - 3')	Antisense primer (5' - 3')
<i>Actine</i>	TGTGTTGAGTGGTGGTTC	TAGGAGCAAGAGCGGTAA
<i>Cluster-10319.38466</i>	CATCATCACCTGTAGTAGTTG	TGGTTTGCCTCTGTAGAA
<i>Cluster-10319.182028</i>	CTTCCTGTTGCCATTATAG	AGTACCATTCTTGCTCTC
<i>Cluster-10319.152492</i>	TGCTTCTGCTTCTTCTTC	TCTGTTCCATCATCATCTTC
<i>Cluster-10319.147696</i>	GTGGTGTTGATGAAGAAG	ACTGACTGAACTGATGAG
<i>Cluster-10319.9783</i>	TATCGCCTTGTTAGTTCT	TTCTTCATTCTTGCTTCC
<i>Cluster-10319.97131</i>	ATGGCAGATAACAATAACG	GGATGACAAGGTAAGAGA
<i>Cluster-10319.28905</i>	ACTTCCTGTTGCCATTATAG	TACCATTCTTGCTCTCCA
<i>Cluster-10319.107233</i>	TACTGGAATGAGGATGATGAT	TCTGAGGAATCTGGCTAAG
<i>Cluster-10319.52178</i>	CACCAAGCCAGACGAATA	TGAACAAGTACGCCAGAA
<i>Cluster-10319.40772</i>	CACTTCTAAGGCATCTGAT	CTGTTGTTGGAGGAATGA
<i>Cluster-10319.94158</i>	GTGGTGTTGATGAAGAAG	ACTGACTGAACTGATGAG
<i>Cluster-10319.70084</i>	ATGTTGACTTGGCAGATG	GGAATGTGGTTGTGAGAA

Table S2. List of DEGs in control and NaCl-treated *S. salsa* flowers determined by RNA-seq analysis; these genes are related to aldehyde dehydrogenase.

Gene ID	Control readcount	NaCl readcount	log ₂ FC	Regulated
Cluster-10319.9485	0	165.56	Inf	up
Cluster-10319.59146	0	41.30	Inf	up
Cluster-10319.137170	0	29.82	Inf	up
Cluster-10319.93786	0	25.51	Inf	up
Cluster-10319.71385	7.78	109.17	3.81	up
Cluster-10319.146517	1.75	46.04	4.72	up
Cluster-10319.156586	0.29	109.84	8.52	up
Cluster-10319.93788	3.54	179.46	5.66	up
Cluster-10319.78264	35.22	508.51	3.85	up
Cluster-10319.29373	1.18	28.48	4.59	up
Cluster-10319.149362	127.01	0.36	-8.46	down
Cluster-10319.39526	24.99	0.33	-6.23	down
Cluster-10319.81664	19.53	0	-19.53	down
Cluster-10319.49948	148.96	0	-148.96	down
Cluster-10319.86167	90.92	0	-90.92	down
Cluster-10319.90993	34.58	2.70	-3.67	down
Cluster-10319.50846	67.93	0	-67.93	down