

Table S4. Effect of different salts on electrical conductivity, Na<sup>+</sup> concentration, K<sup>+</sup> concentration and Na<sup>+</sup> + K<sup>+</sup> concentration in different parts of *Plantago maritima* and *Tripolium pannonicum* plants. Data are means from 4 replicates  $\pm$  SE per treatment.

Treatment	Old Leaves	Middle Leaves	New Leaves	Roots
<i>Plantago maritima</i> Electrical Conductivity (mS m <sup>-1</sup> )				
Control	143 $\pm$ 8 b	133 $\pm$ 9 b	107 $\pm$ 10 b	31 $\pm$ 3 b
NaCl	253 $\pm$ 13 a	166 $\pm$ 11 ab	122 $\pm$ 14 b	50 $\pm$ 9 ab
NaOAc	167 $\pm$ 5 b	180 $\pm$ 14 a	99 $\pm$ 4 b	33 $\pm$ 1 ab
NaHCO <sub>3</sub>	171 $\pm$ 8 b	157 $\pm$ 6 ab	123 $\pm$ 7 b	33 $\pm$ 3 ab
NaNO <sub>3</sub>	219 $\pm$ 8 a	178 $\pm$ 14 a	172 $\pm$ 11 a	52 $\pm$ 3 a
<i>Plantago maritima</i> Na <sup>+</sup> Concentration (g kg <sup>-1</sup> )				
Control	6.8 $\pm$ 0.5 c	7.1 $\pm$ 0.6 c	5.2 $\pm$ 0.3 c	2.7 $\pm$ 0.4 b
NaCl	55.9 $\pm$ 6.4 a	33.8 $\pm$ 2.5 b	27.2 $\pm$ 3.6 ab	11.1 $\pm$ 2.2 a
NaOAc	37.3 $\pm$ 2.6 b	46.7 $\pm$ 4.4 a	26.1 $\pm$ 0.8 b	8.9 $\pm$ 0.3 a
NaHCO <sub>3</sub>	42.8 $\pm$ 3.2 ab	39.6 $\pm$ 2.0 ab	28.0 $\pm$ 2.0 ab	7.9 $\pm$ 1.2 a
NaNO <sub>3</sub>	57.7 $\pm$ 3.4 a	46.6 $\pm$ 4.4 a	37.3 $\pm$ 5.5 a	12.6 $\pm$ 1.5 a
<i>Plantago maritima</i> K <sup>+</sup> Concentration (g kg <sup>-1</sup> )				
Control	29 $\pm$ 3 a	30 $\pm$ 3 a	21 $\pm$ 3 a	10 $\pm$ 1 a
NaCl	16 $\pm$ 2 b	11 $\pm$ 2 b	8 $\pm$ 1 b	7 $\pm$ 1 ab
NaOAc	17 $\pm$ 2 b	9 $\pm$ 2 b	7 $\pm$ 1 b	3 $\pm$ 0 c
NaHCO <sub>3</sub>	12 $\pm$ 2 b	10 $\pm$ 1 b	9 $\pm$ 1 b	3 $\pm$ 0 c
NaNO <sub>3</sub>	17 $\pm$ 2 b	10 $\pm$ 2 b	9 $\pm$ 1 b	6 $\pm$ 1 bc
<i>Plantago maritima</i> Na <sup>+</sup> + K <sup>+</sup> Concentration (mol kg <sup>-1</sup> )				
Control	1.03 $\pm$ 0.09 c	1.07 $\pm$ 0.08 b	0.76 $\pm$ 0.07 b	0.36 $\pm$ 0.04 b
NaCl	2.85 $\pm$ 0.24 a	1.82 $\pm$ 0.11 a	1.39 $\pm$ 0.17 a	0.66 $\pm$ 0.13 a
NaOAc	2.06 $\pm$ 0.09 b	2.25 $\pm$ 0.18 a	1.31 $\pm$ 0.04 a	0.46 $\pm$ 0.01 ab
NaHCO <sub>3</sub>	2.17 $\pm$ 0.15 b	1.98 $\pm$ 0.09 a	1.45 $\pm$ 0.09 a	0.43 $\pm$ 0.06 ab
NaNO <sub>3</sub>	2.93 $\pm$ 0.17 a	2.29 $\pm$ 0.22 a	1.86 $\pm$ 0.25 a	0.69 $\pm$ 0.06 a
<i>Tripolium pannonicum</i> Electrical Conductivity (mS m <sup>-1</sup> )				
Control	81 $\pm$ 9 c	60 $\pm$ 3 c	39 $\pm$ 3 c	39 $\pm$ 2 b
NaCl	150 $\pm$ 12 ab	128 $\pm$ 9 ab	116 $\pm$ 11 a	45 $\pm$ 3 b
NaOAc	160 $\pm$ 20 ab	79 $\pm$ 4 bc	61 $\pm$ 1 bc	59 $\pm$ 2 ab
NaHCO <sub>3</sub>	112 $\pm$ 8 bc	74 $\pm$ 8 c	50 $\pm$ 8 c	46 $\pm$ 4 b
NaNO <sub>3</sub>	193 $\pm$ 22 a	157 $\pm$ 17 a	106 $\pm$ 8 ab	64 $\pm$ 7 a
<i>Tripolium pannonicum</i> Na <sup>+</sup> Concentration (g kg <sup>-1</sup> )				
Control	10.1 $\pm$ 0.3 b	9.1 $\pm$ 0.6 c	5.8 $\pm$ 1.0 c	11.4 $\pm$ 1.2 b
NaCl	47.1 $\pm$ 7.6 a	41.3 $\pm$ 4.0 a	31.5 $\pm$ 2.2 a	16.2 $\pm$ 1.2 b
NaOAc	57.5 $\pm$ 2.5 a	22.5 $\pm$ 0.5 b	15.3 $\pm$ 0.3 b	13.3 $\pm$ 0.8 b
NaHCO <sub>3</sub>	40.0 $\pm$ 3.6 a	28.0 $\pm$ 2.2 b	13.5 $\pm$ 1.6 b	17.1 $\pm$ 0.9 b
NaNO <sub>3</sub>	58.4 $\pm$ 5.6 a	48.8 $\pm$ 2.3 a	27.8 $\pm$ 2.6 a	26.3 $\pm$ 2.4 a
<i>Tripolium pannonicum</i> K <sup>+</sup> Concentration (g kg <sup>-1</sup> )				

Treatment	Old Leaves	Middle Leaves	New Leaves	Roots
Control	29.1 ± 3.0 a	19.9 ± 3.2 ab	12.4 ± 1.4 ab	8.8 ± 0.6 a
NaCl	39.4 ± 3.5 a	23.3 ± 5.3 a	17.0 ± 1.2 a	6.7 ± 0.9 a
NaOAc	44.0 ± 1.5 a	15.5 ± 1.5 ab	12.3 ± 0.3 ab	10.5 ± 0 a
NaHCO <sub>3</sub>	12.1 ± 1.8 b	7.4 ± 0.5 b	9.4 ± 1.1 b	8.0 ± 1.1 a
NaNO <sub>3</sub>	34.3 ± 1.3 a	17.6 ± 2.7 ab	11.9 ± 1.0 b	7.1 ± 0.7 a
<i>Triplolium pannonicum</i> Na <sup>+</sup> + K <sup>+</sup> Concentration (mol kg <sup>-1</sup> )				
Control	1.20 ± 0.09 c	0.91 ± 0.11 b	0.57 ± 0.08 c	0.72 ± 0.07 b
NaCl	3.06 ± 0.40 a	2.40 ± 0.28 a	1.81 ± 0.12 a	0.88 ± 0.07 ab
NaOAc	3.63 ± 0.15 a	1.38 ± 0.05 b	0.98 ± 0.01 bc	0.85 ± 0.03 ab
NaHCO <sub>3</sub>	2.05 ± 0.14 b	1.41 ± 0.09 b	0.83 ± 0.09 c	0.95 ± 0.06 ab
NaNO <sub>3</sub>	3.42 ± 0.26 a	2.57 ± 0.16 a	1.51 ± 0.12 ab	1.33 ± 0.11 a