

Supplemental legends

Suppl Data 1, relative weight of different elements.

Suppl Data 2, 2-DE gels of different NaCl treated plant leaves.

Suppl Data 3, information for differential protein spots on 2-DE gels and the corresponding collected MS identities.

Suppl Data 4, detail information for protein identification with MALDI TOF MS.

Suppl Data 5, Blast2go analysis results of the identified proteins.

Suppl Data 6, the main pathways involved in salt tolerance of *Thellungiella*.

Suppl Data 7, the salt responsive genes changed more than 2.0 folds under salinity.

Suppl Data 8, determination of gene expression patterns for the identified proteins.

Suppl Data 9, the primers used in the RT-PCR and qRT-PCR analysis.

Suppl Data 1, Table 1

Relative weight of different elements in cross-section of leaves from different concentrations of NaCl treated salt cress (mean \pm SD; n \geq 5).

NaCl	Tissues	O	Na	Mg	P	S	Cl	K	Ca
0	leaf	34.09 \pm 2.12	1.82 \pm 0.45	2.01 \pm 0.23	0	10.81 \pm 1.08	3.13 \pm 0.46	16.89 \pm 1.55	31.24 \pm 3.61
200	leaf	28.52 \pm 3.54	7.69 \pm 1.78	2.14 \pm 0.43	0	8.41 \pm 1.08	17.17 \pm 2.55	12.99 \pm 1.05	23.08 \pm 4.69
400	leaf	27.33 \pm 4.06	9.14 \pm 2.14	1.95 \pm 0.34	0.89 \pm 0.13	7.08 \pm 0.99	18.41 \pm 2.81	13.67 \pm 1.45	21.55 \pm 3.72
600	leaf	26.25 \pm 3.58	11.27 \pm 1.25	1.83 \pm 0.29	2.62 \pm 0.23	9.38 \pm 1.21	19.85 \pm 2.43	11.94 \pm 1.09	16.86 \pm 2.88