

Supplementary Materials

Article

Response and tolerance of *Macleaya cordata* to excess zinc based on transcriptome and proteome patterns

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Table S1. Transcriptome sequencing data of *Macleay cordata* leaves under Zn treatment.

Samples	Read Number	Base Number	GC Content	%≥Q30
CK-1	24079770	7223931000	43.52	92.78
CK-2	22351713	6705513900	44.08	93.72
CK-3	18952705	5685811500	43.34	95.08
Zn 1d-1	22030032	6609009600	44.36	95.15
Zn 1d-2	23837633	7151289900	44.75	95.20
Zn 1d-3	21502239	6450671700	44.11	94.77
Zn 7d-1	22848084	6854425200	44.31	94.72
Zn 7d-2	21969066	6590719800	44.78	94.89
Zn 7d-3	21566127	6469838100	43.71	94.78

Table S2. Primers of some genes for quantitative real-time PCR in *Macleay cordata* leaves under Zn treatment.

Primer name	Sequence (From 5' to 3')
<i>Mc18S-F</i>	CTTCGGGATCGGAGTAATGA
<i>Mc18S-R</i>	GCGGAGTCCTAGAAGCAACA
<i>McABCX1-F</i>	CGGTCGCAGACAACATAAGA
<i>McABCX1-R</i>	AAGGTCAGCAAGGTTGAGTAG
<i>McABCX3-F</i>	AGTGGCAGTGGCAAATCA
<i>McABCX3-R</i>	AGGGAGAGAACATCGAGATCA
<i>McTDT-F</i>	CCTCGTTCTTGGGAGCTTTATC
<i>McTDT-R</i>	TAGAGGCTCCACGCAGAATA
<i>McVIT-F</i>	GGTCTCCACAGCATCTTTGA
<i>McVIT-R</i>	ACTACAAGCTCCGGCTACTA
<i>McMT3c-F</i>	TGTTCTTCTGCTCCAACGTC
<i>McMT3c-R</i>	GTGAGGAAGGAGAGCCAATATG
<i>McWRKY-F</i>	TGGAGAAAGCCCTGAATTGG
<i>McWRKY-R</i>	AAGATGAAGACGGGTTGAGATG
<i>McMYB-F</i>	GGAATCTGACCCACCAACAA
<i>McMYB-R</i>	AACCCAGCAGGAACATTCTC
<i>McERF105-F</i>	TGGACGTCTATTGGGAGAATG
<i>McERF105-R</i>	GATGACCATCAGCTGGGAATAA
<i>McERF61-F</i>	TTATGATCGTGCGGCGTATAA
<i>McERF61-R</i>	AAGCCTCGAGTTGTCTCTAAAC