

Supplementary Material of Enhanced Cadmium Accumulation and Tolerance in Transgenic Hairy Roots of *Solanum Nigrum* L. Expressing Iron-Regulated Transporter Gene *IRT1*

Table S1. Primers' sequences of PCR

Primers	Sequences
Forward primer	ATG GCT TCA AAT TCA GCA CTT CTC
Reverse primer	TTA AGC CCA TTT GGC GAT AAT CG

Table S2. PCR cycling conditions

Operation steps	Conditions
Denaturation step	94 °C, 10 min
Cycles	35 cycles: 94 °C, 1 min; annealing, 56 °C, 1 min, and elongating, 72 °C, 1 min
Elongation	72 °C, 10 min

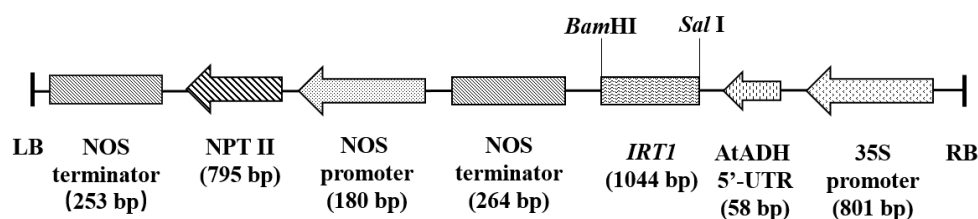


Figure S1. Schematic representation of the T-DNA region of the recombinant plasmid pRI101-*IRT1* based on plasmid pRI101-AN.

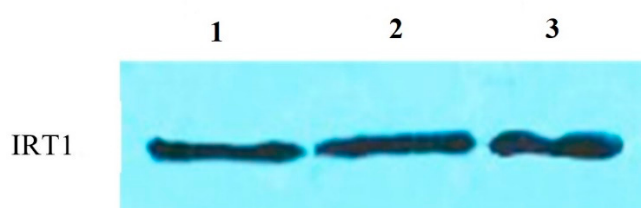


Figure S2. Western blot test of transgenic hairy roots of *Solanum nigrum* L. Lane 1-3: the *IRT1* protein observed in the transgenic hairy roots of *Solanum nigrum* L.

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