Increased sensitivity to iron deficiency in *Arabidopsis thaliana* over-accumulating nicotianamine

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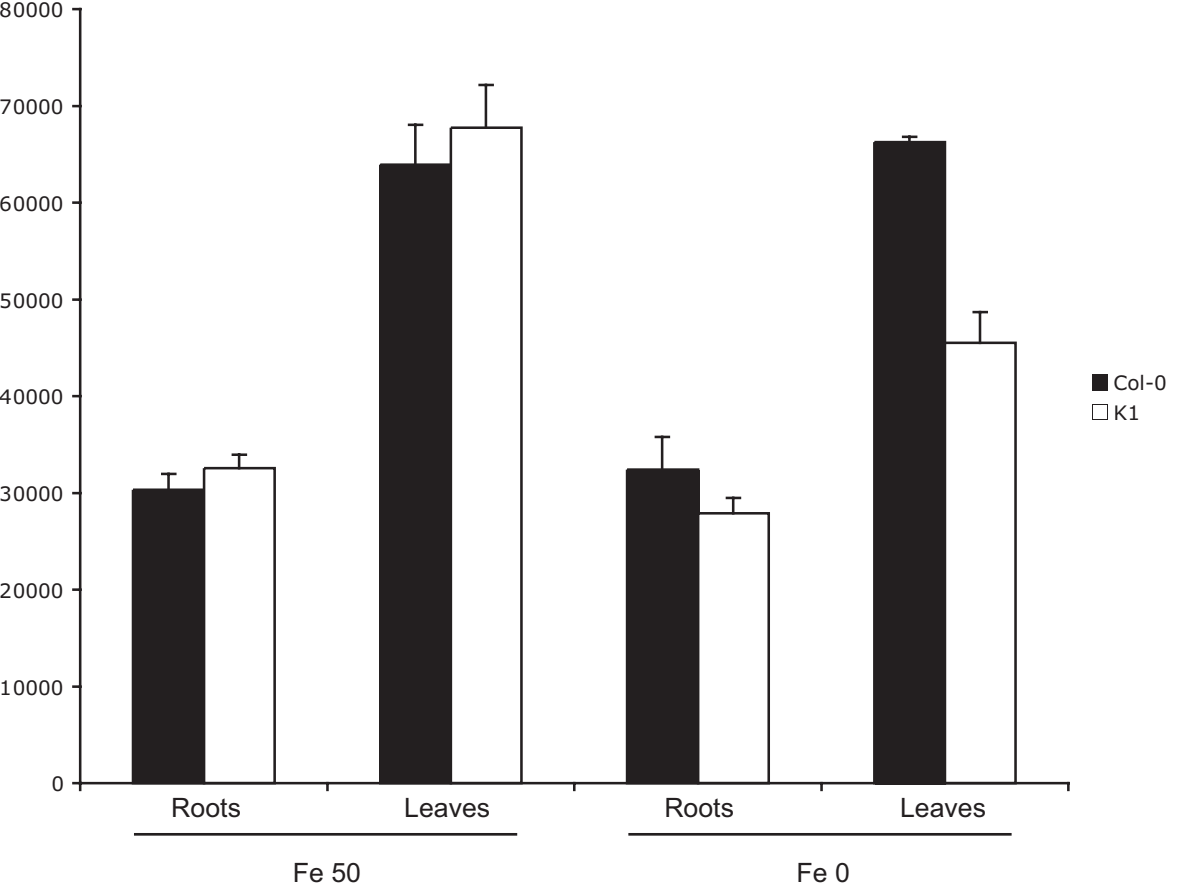
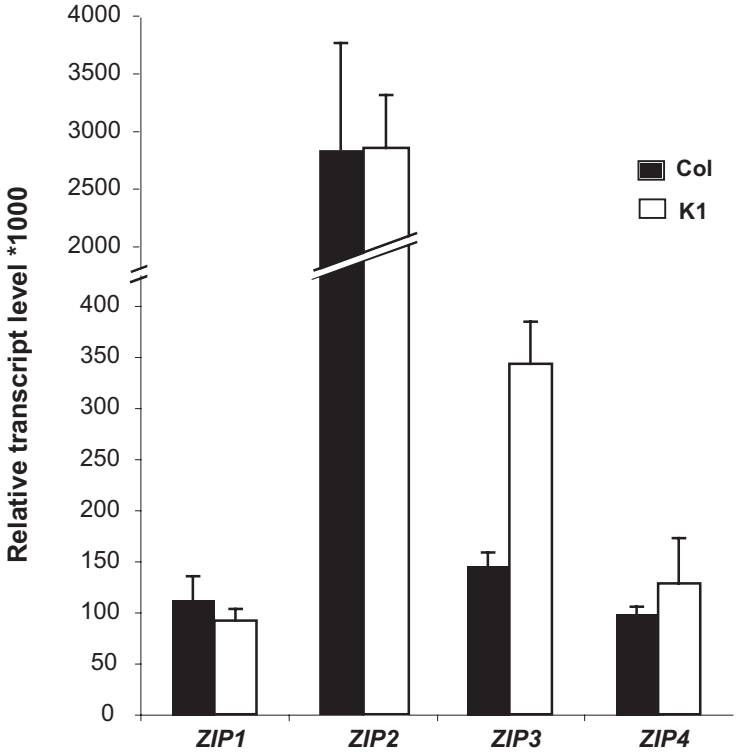
Supplementary Material

Supplementary Fig. 1. Potassium content in Arabidopsis Col-0 wild-type plants and the K1 NA over-accumulating line. Col-0 plants (black bars) and K1 plants (white bars) were sown on half-strength MS medium and after 5 days transferred to an iron-sufficient (Fe(III)-EDTA 50 µM) or iron depleted (no iron added) medium for 12 days. Potassium concentration was determined by atomic absorption spectrometry in roots and leaves. Error bars represent SE of 4 repetitions.

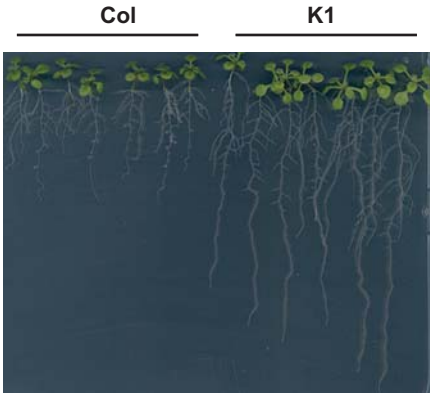
Supplementary Fig. 2. Zn and Mn phenotype of the NA over-accumulating line. (A) Real time RT-PCR determination of the relative transcript levels corresponding to the *AtZIP 1-4* genes. (B) Zn and (C) Mn deficiency resistance of the K1 line. Col-0 and K1 plants over-accumulating NA were sown and transferred after 5 days to a Zn- or Mn-deficient medium. Picture was taken 12 days after transfer.


80000
70000
60000
50000
40000
30000
20000
10000
0
Roots
Leaves
Roots
Leaves
Fe 50
Fe 0
Col-0
K1

A

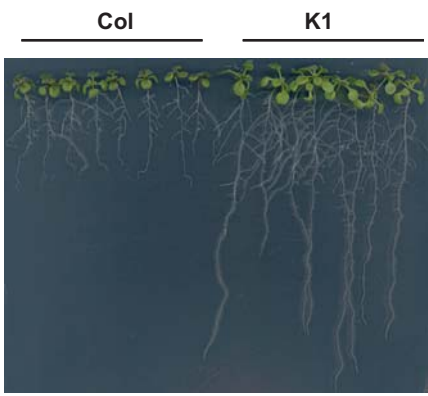


B



0 μM Zn

C



0 μM Mn