Figure S2 Heterologous expression of the Arabidopsis ZIF2 transporter in yeast. (A) Western blot analysis of the GFP-ZIF2 fusion protein in wild-type yeast cells harbouring either the cloning vector pGREG576 or the GFP-ZIF2-encoding pGREG576_ZIF2 plasmid after induction of recombinant protein production using anti-GFP antibodies. (B) Representative fluorescence microscopy images of wild-type yeast cells harbouring either the cloning vector pGREG576 (background fluorescence) or the GFP-ZIF2-encoding pGREG576_ZIF2 plasmid after induction of recombinant protein production, suggesting that the GFP-ZIF2 fusion protein is targeted to the yeast plasma membrane. Scale bars, 1 µm. (C) Comparison of the growth curves of non-adapted wild-type, Δzrt1zrt2 and Δzrc1cot1 mutant yeast cells, harbouring either the cloning vector pGREG576 or the GFP-ZIF2-encoding pGREG576_ZIF2 plasmid, in Zn-free liquid medium supplemented with 0.062 µM (wild-type and Δzrt1zrt2 strains), 2.5 or 20 µM (all strains), and 100, 250 or 500 µM (wild-type and Δzrc1cot1 strains) ZnSO₄. Results are representative of three independent experiments (a replicate is shown in Figure 5).