

Figure S2

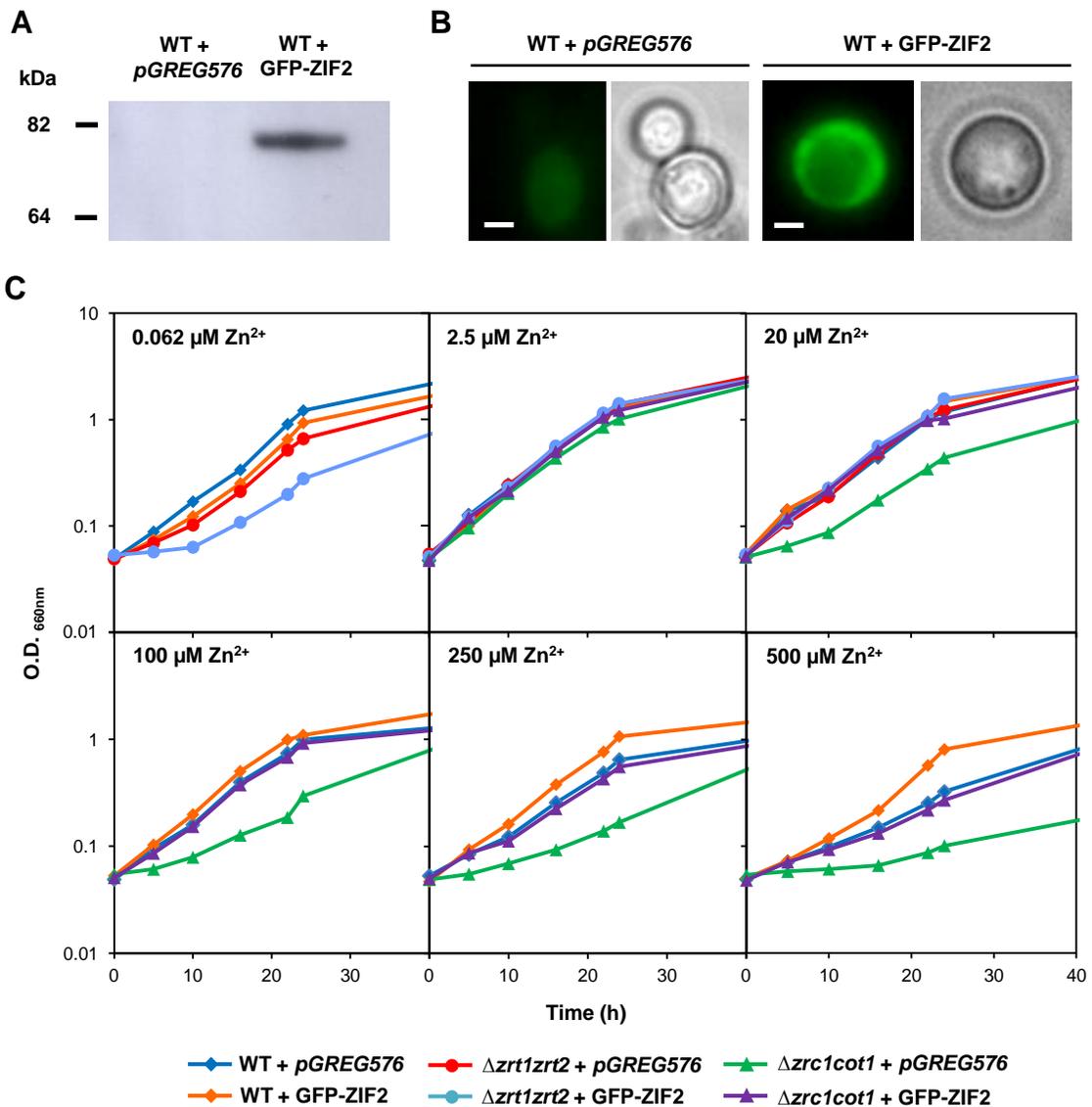


Figure S2 Heterologous expression of the *Arabidopsis* ZIF2 transporter in yeast. **(A)** Western blot analysis of the GFP-ZIF2 fusion protein in wild-type yeast cells harbouring either the cloning vector *pGREG576* or the GFP-ZIF2-encoding *pGREG576_ZIF2* plasmid after induction of recombinant protein 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 μ m. **(C)** Comparison of the growth curves of non-adapted wild-type, $\Delta zrt1zrt2$ and $\Delta zrc1cot1$ 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 μ M (wild-type and $\Delta zrt1zrt2$ strains), 2.5 or 20 μ M (all strains), and 100, 250 or 500 μ M (wild-type and $\Delta zrc1cot1$ strains) $ZnSO_4$. Results are representative of three independent experiments (a replicate is shown in Figure 5).