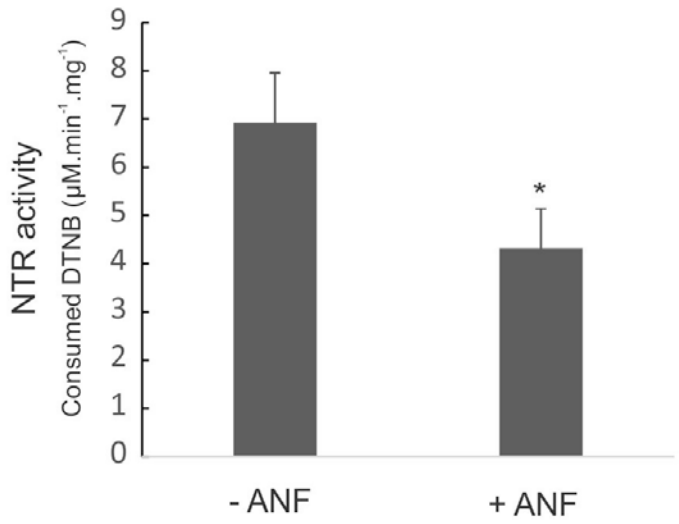
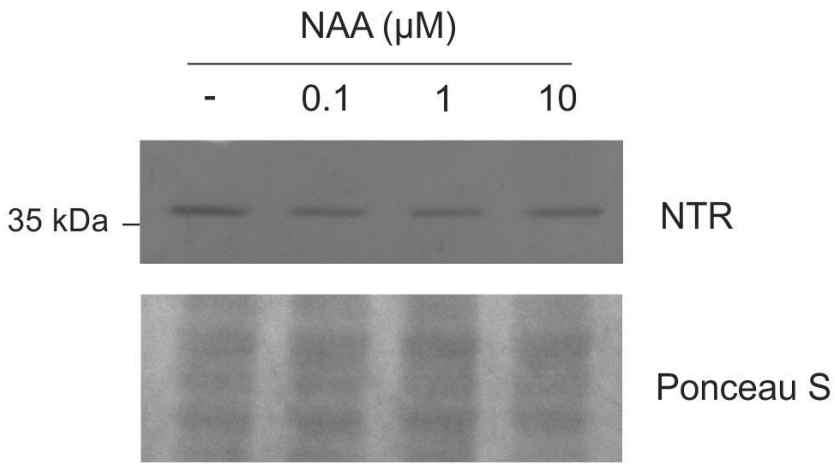
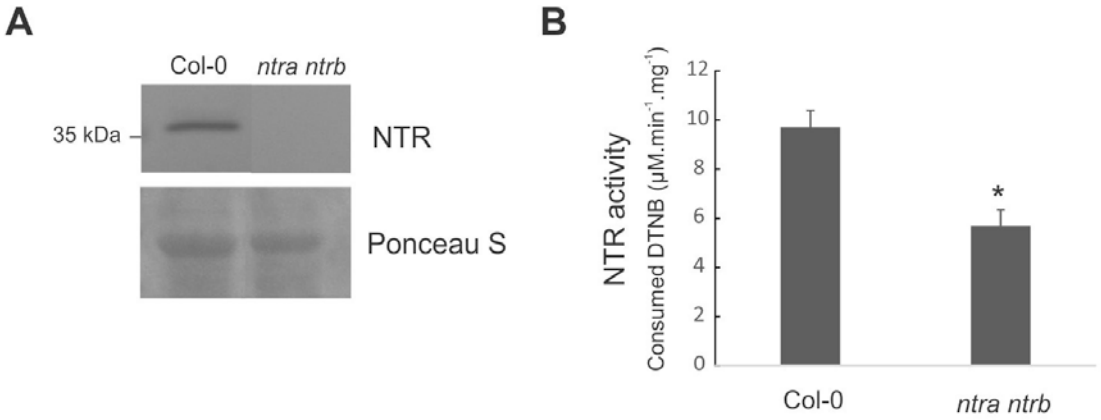
SUPPLEMENTARY DATA



Supplementary Fig. S1. Effect of auranofin (ANF) on thioredoxin reductase (NTR) activity in Arabidopsis roots. NTR activity was measured in 100 mM phosphate buffer pH 7.0, 10 mM EDTA and 200 µM NADPH. Reactions were initiated by the addition of 300 µM of the substrate 5,5`-dithiobis(2-nitrobenzoic) acid (DTNB) and followed at 412 nm. For inhibition experiments of NTR activity, samples were incubated with 5 µM ANF for 15 min previous to the measurement of NTR activity. Activity is expressed as µM DTNB consumed.min^{-1}.mg^{-1}. Bars denote SE (n=5). Asterisk indicates a statistical difference respect to control (t-test, $P < 0.05$).



Supplemental Fig. S2. NTR protein levels in auxin-treated roots. Arabidopsis seedlings were treated with different concentrations of the auxin naphtyl acetic acid (NAA) for 1 day. NTR protein levels were analyzed in roots using an anti NTR antibody which recognize NTRA and NTRB isoforms.



Supplemental Fig. S3: Western blot and NTR activity in *ntra ntrb* mutant. A) Western blot of 7-d old wild type and *ntra ntrb* mutant seedlings using an anti NTR antibody which detects the NTRA and NTRB isoforms. B) Total reductase activity in wild type and *ntra ntrb* seedlings. Activity is expressed as µM DTNB consumed.min^{-1}.mg^{-1}. Bars denote SE (n=3). Asterisk indicates a statistical difference between samples (t-test, $P < 0.05$).