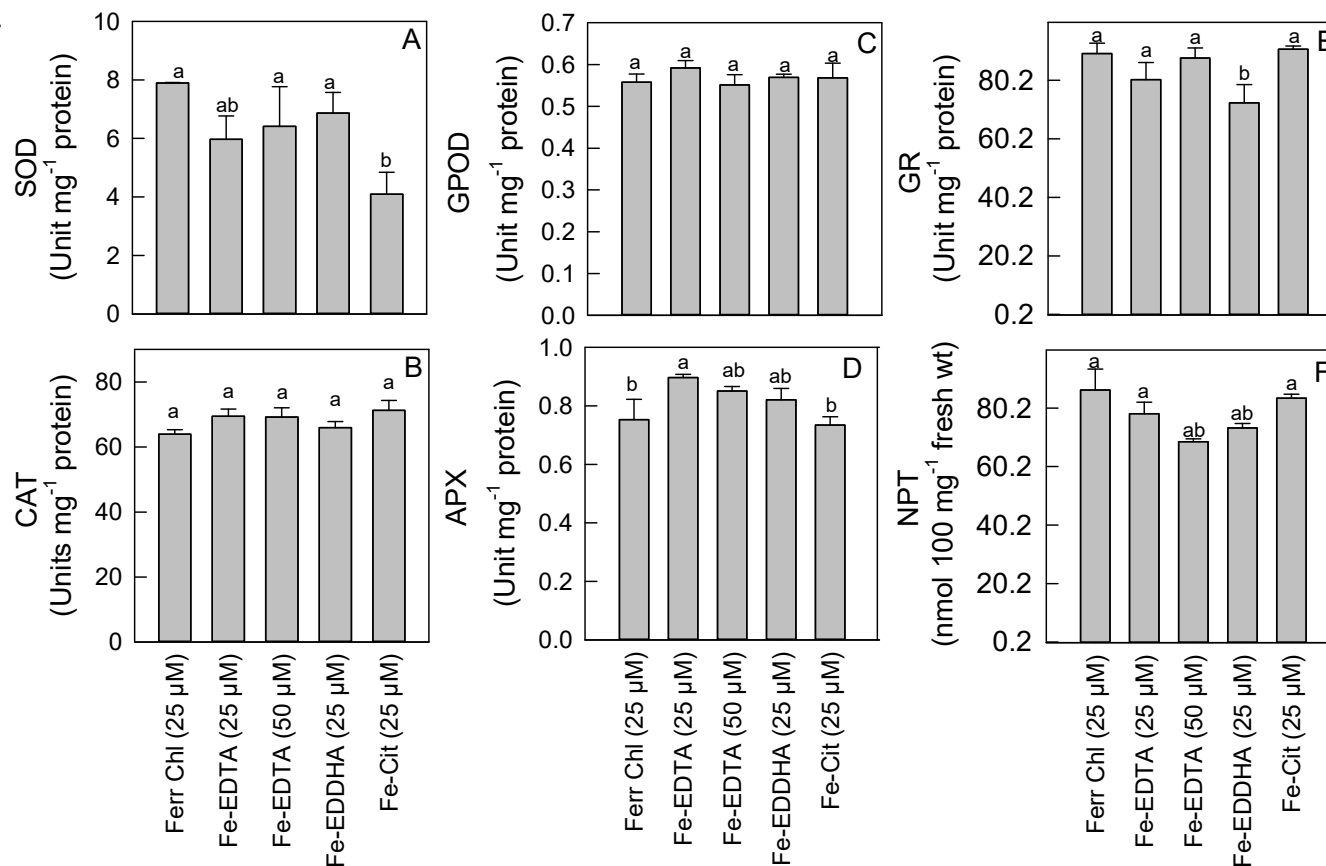
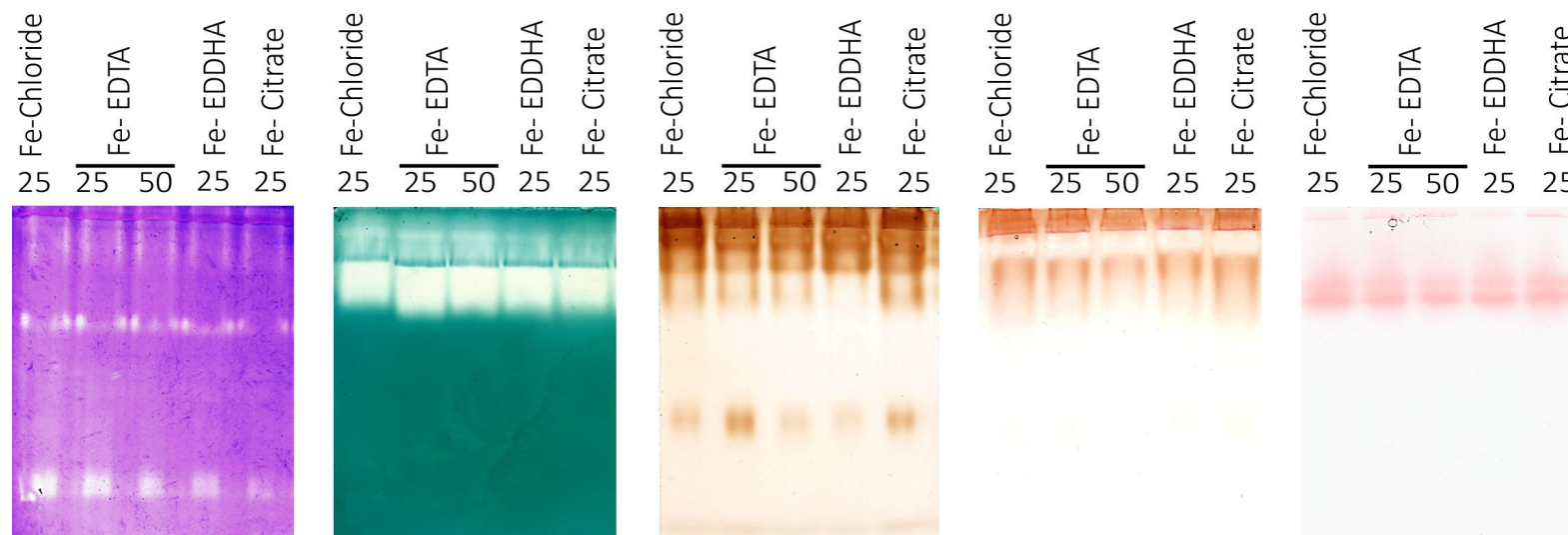


Fig.S1



**Fig S1:** Effect of Fe-complexed with different synthetic organic ligands on (A) Superoxide dismutase, (B) Catalase, (C) Guaiacol peroxidase, (D) Ascorbate peroxidase, (E) Gluthione reductase activity, and (F) Non-protein thiol concentration in the leaves of wheat plants treated with Fe-Chloride (25  $\mu$ M), Fe-EDTA (25  $\mu$ M), Fe-EDTA (50  $\mu$ M), Fe-EDDHA (25  $\mu$ M), and Fe-Citrate (25  $\mu$ M). The data plotted represent mean  $\pm$  SE of replicates (n=6) at 40 DAT. Bars carrying different letters are statistically significant at ( $P \leq 0.05$ ) by Fisher LSD method.

Fig.S2



**Fig S2:** Effect of Fe-complexed with different synthetic organic ligands on (A) Superoxide dismutase, (B) Catalase, (C) DAB-POD, (D) Guaiacol peroxidase, and (E) Glutathione reductases activity in the leaves of wheat plants treated with Fe-Chloride (25  $\mu$ M), Fe-EDTA (25  $\mu$ M), Fe-EDTA (50  $\mu$ M), Fe-EDDHA (25  $\mu$ M), and Fe-Citrate (25  $\mu$ M).