

Table S1: Germination assay of Wheat seed after soaking with different concentration of α -lipoic acid

ALA	Time		
	2 h	4h	8 h
Fresh weight (mg. seedling ⁻¹)			
Control	52.08 \pm 0.28 de	54.48 \pm 0.71 cd	54.23 \pm 0.66 cd
1 μM	54.51 \pm 0.40 cd	55.02 \pm 0.95 cd	47.93 \pm 0.08 f
5 μM	55.65 \pm 1.48 cd	56.54 \pm 0.42 bc	48.04 \pm 0.09 f
10 μM	54.77 \pm 0.69 cd	59.86 \pm 0.79 b	46.13 \pm 0.56 fgh
20 μM	55.87 \pm 1.39 cd	66.49 \pm 1.19 a	42.41 \pm 1.29 hi
50 μM	49.80 \pm 1.03 ef	46.59 \pm 1.74 fg	37.30 \pm 0.64 j
100 μM	43.89 \pm 0.84 ghi	41.31 \pm 0.48 i	34.31 \pm 1.60 j
Antioxidant capacity by DPPH assay (%)			
Control	66.78 \pm 0.71 fg	73.47 \pm 0.79 d	67.97 \pm 0.11 ef
1 μM	68.51 \pm 0.36 ef	74.53 \pm 2.03 cd	62.26 \pm 0.67 hi
5 μM	67.93 \pm 0.47 ef	77.38 \pm 0.80 bc	58.62 \pm 0.52 ijk
10 μM	68.14 \pm 0.82 ef	79.50 \pm 0.87 b	56.37 \pm 1.08 jk
20 μM	71.62 \pm 1.61 de	86.99 \pm 1.44 a	55.93 \pm 0.90 jk
50 μM	63.64 \pm 0.76 gh	58.80 \pm 0.92 ij	45.80 \pm 1.32 m
100 μM	54.68 \pm 1.13 kl	51.05 \pm 0.34 l	40.88 \pm 0.62 n