

**S5 Table. Root length**

NPs Concentration (mg/L)	CK		10		100		1000	
	Mean $\pm$ SD	95%	Mean $\pm$ SD	95%	Mean $\pm$ SD	95%	Mean $\pm$ SD	95%
		Confidence Interval for Mean		Confidence Interval for Mean		Confidence Interval for Mean		Confidence Interval for Mean
Super-elevated CO <sub>2</sub> /cm	7.28 $\pm$ 2.03a	6.20-8.36	8.51 $\pm$ 1.73a	7.58-9.43	7.58 $\pm$ 1.11a	6.98-8.17	7.11 $\pm$ 1.02a	6.57- 7.65
Normal CO <sub>2</sub> /cm	11.65 $\pm$ 4.22a*	8.97-14.33	10.53 $\pm$ 1.76a*	9.42-11.65	10.61 $\pm$ 3.28a*	8.53-12.69	9.82 $\pm$ 2.90a*	7.97-11.66

Values are mean  $\pm$  SD (n $\geq$ 3). Letters represent significant difference (p<0.05) among TiO<sub>2</sub> NPs treatments under the same growth conditions; \* represents significant difference (p<0.05) between super-elevated CO<sub>2</sub> and normal CO<sub>2</sub> conditions at each TiO<sub>2</sub> NPs concentration.