

Supplementary Data

Impact of Zero-valent Iron Nanoparticles on *Fremyella diplosiphon* Transesterified Lipids and Fatty Acid Methyl Esters

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Supplementary Data List

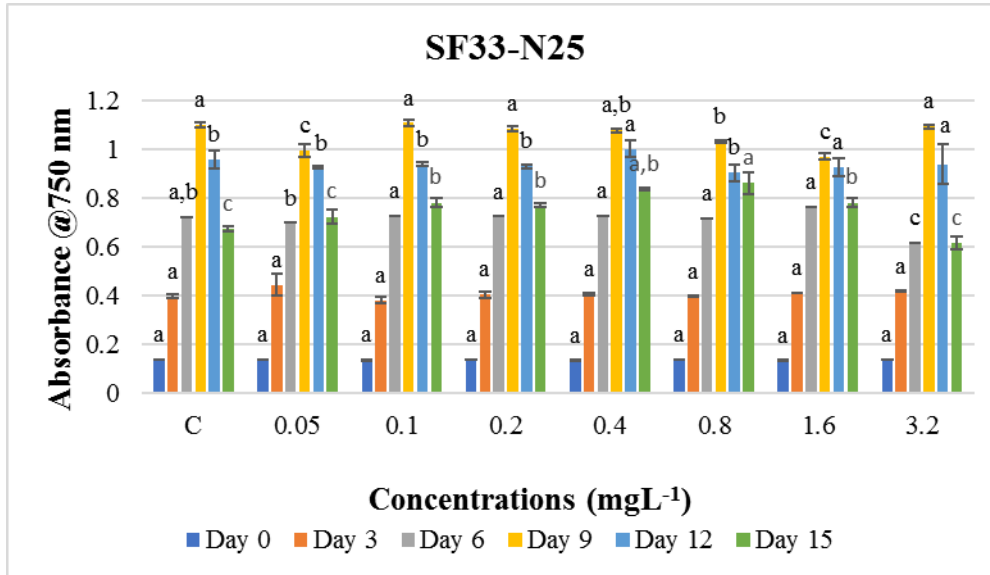
Figure S1. *Fremyella diplosiphon* strains (a) SF33 and (b) B481 grown in BG11/HEPES medium with 0.05, 0.1, 0.2, 0.4, 0.8, 1.6 and, 3.2 mg L⁻¹ Nanofer 25 over a period 15 days.

Figure S2. Impact of 0.2, 0.4, 0.8, and 1.6 mg L⁻¹ Nanofer 25s on (a) chlorophyll *a* (chl*a*) and (b) carotenoid accumulation in *Fremyella diplosiphon* strains, SF33 and B481.

Figure S3. Impact of 0.2, 0.4, 0.8, and 1.6 mg L⁻¹ Nanofer 25s on (a) phycoerythrin, (b) allophyocyanin, and (c) phycoerythrin accumulation in *Fremyella diplosiphon* strains, SF33 and B481.

Figure S1. *Fremyella diplosiphon* strains (a) SF33 and (b) B481 grown in BG11/HEPES medium with 0.05, 0.1, 0.2, 0.4, 0.8, 1.6 and, 3.2 mg L⁻¹ Nanofer 25 over a period 15 days.

a)



b)

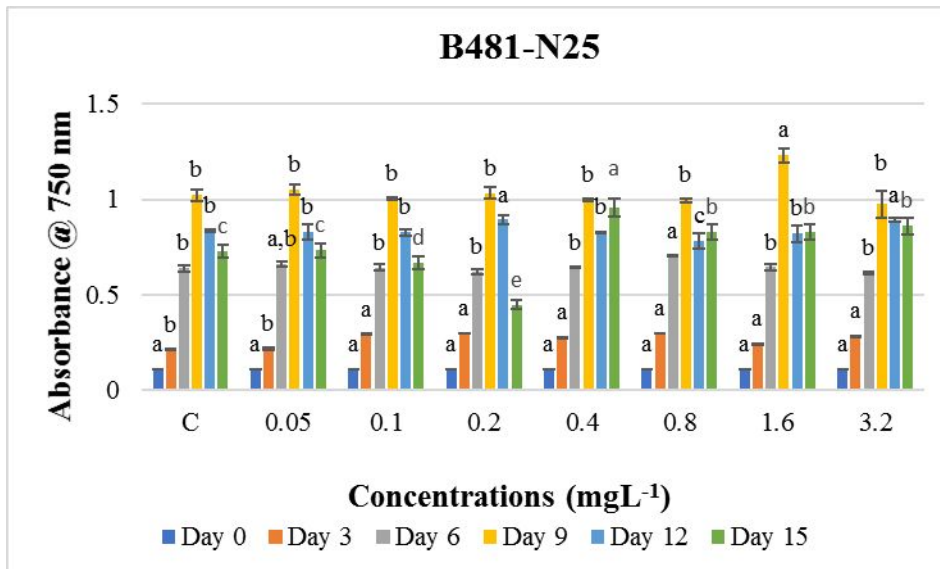
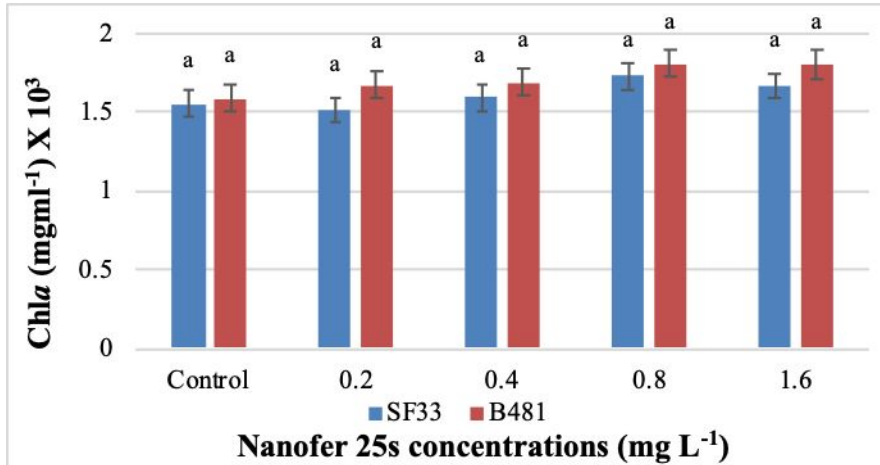


Figure S2. Impact of 0.2, 0.4, 0.8, and 1.6 mg L⁻¹ Nanofer 25s on (a) chlorophyll *a* (chl_a) and (b) carotenoid accumulation in *Fremyella diplosiphon* strains, SF33 and B481.

a)



b)

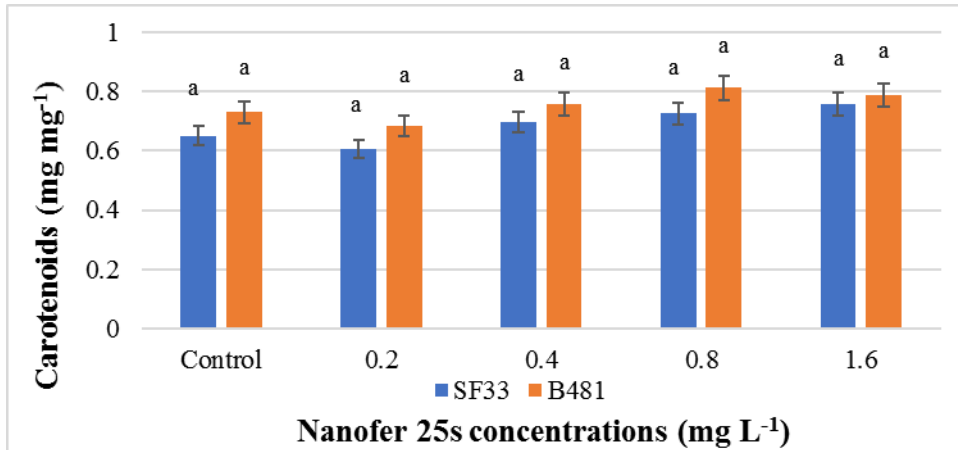
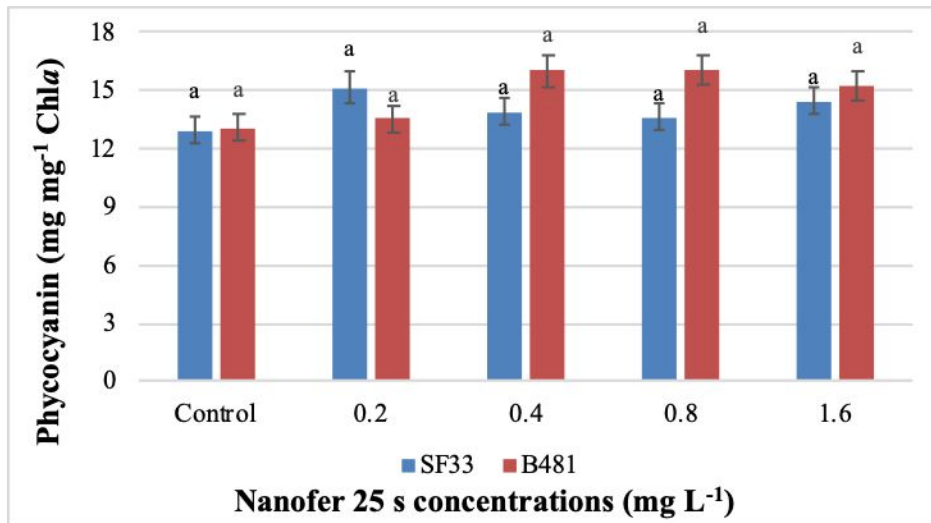
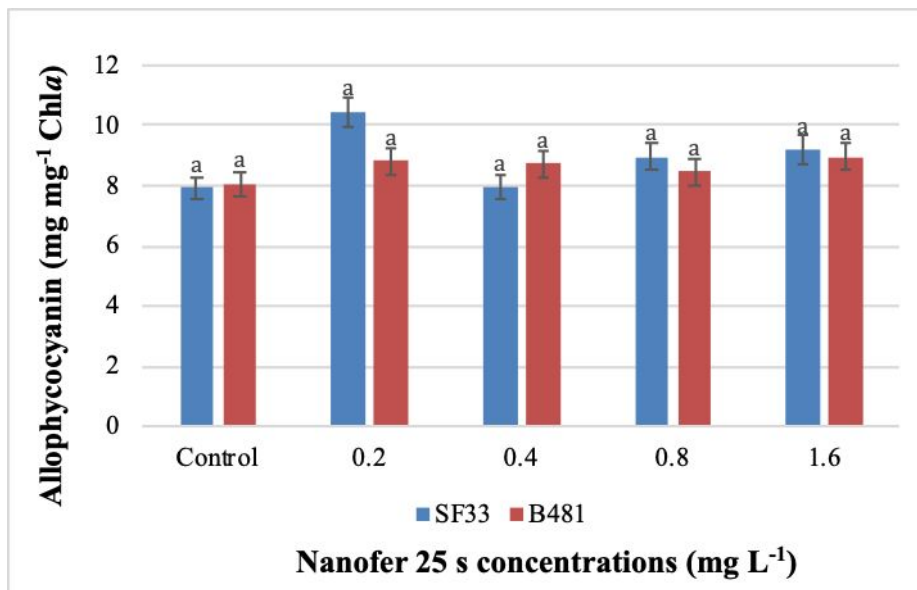


Figure S3. Impact of 0.2, 0.4, 0.8, and 1.6 mg L⁻¹ Nanofer 25s on (a) phycoyanin, (b) allophycoyanin, and (c) phycoerythrin accumulation in *Fremyella diplosiphon* strains, SF33 and B481.

a)



b)



c)

