Supplementary material: Figure legends

Fig. 1: Growth curve of *D. brightwellii* at high light and a) 8.7 pmol L\(^{-1}\), b) 12 pmol L\(^{-1}\), c) 44 pmol L\(^{-1}\), and d) 699 pmol L\(^{-1}\) of inorganic Fe in the culture medium. Pre-conditioned cultures are shown by empty circles, and replicates that have been filtered by diamonds, squares, triangles and crosses.

Fig. 2: Growth curve of *D. brightwellii* at low light and a) 37 pmol L\(^{-1}\), and b) 610 pmol L\(^{-1}\) of inorganic Fe in the culture medium. Pre-conditioned cultures are shown by empty circles, and replicates that have been filtered by diamonds, squares and triangles.

Fig. 3: Growth curve of *T. oceanica* at high light and a) 0.9 pmol L\(^{-1}\), b) 2.2 pmol L\(^{-1}\), c) 7.8 pmol L\(^{-1}\), d) 43 pmol L\(^{-1}\), e) 112 pmol L\(^{-1}\), f) 154 pmol L\(^{-1}\), and g) 698 pmol L\(^{-1}\) of inorganic Fe in the culture medium. Pre-conditioned cultures are shown by empty circles, and replicates that have been filtered by diamonds, squares, triangles and crosses.

Fig. 4: Growth curve of *T. oceanica* at low light and a) 0.7 pmol L\(^{-1}\), b) 2.0 pmol L\(^{-1}\), c) 6.8 pmol L\(^{-1}\), d) 13 pmol L\(^{-1}\), e) 37 pmol L\(^{-1}\), f) 98 pmol L\(^{-1}\), g) 135 pmol L\(^{-1}\) and h) 610 pmol L\(^{-1}\) of inorganic Fe in the culture medium. Pre-conditioned cultures are shown by empty circles, and replicates that have been filtered by diamonds and squares.
Figure 1
Figure 2

(a) 

(b)
Figure 3
Figure 4

- a), b), c), d), e), f), g), h) are graphs showing cell growth over time. The x-axis represents time (days), and the y-axis represents N (cells/mL). The graphs depict different scenarios or conditions, likely varying in terms of environmental factors or experimental treatments.

- Each graph includes multiple data points and lines, indicating multiple data sets or conditions being compared.

- The graphs provide a visual representation of cell growth dynamics, which could be useful in understanding cell culture behavior under different conditions.