

## Supplementary material: Figure legends

Fig. 1: Growth curve of *D. brightwellii* at high light and a) 8.7 pmol L<sup>-1</sup>, b) 12 pmol L<sup>-1</sup>, c) 44 pmol L<sup>-1</sup>, and d) 699 pmol L<sup>-1</sup> 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<sup>-1</sup>, and b) 610 pmol L<sup>-1</sup> 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<sup>-1</sup>, b) 2.2 pmol L<sup>-1</sup>, c) 7.8 pmol L<sup>-1</sup>, d) 43 pmol L<sup>-1</sup>, e) 112 pmol L<sup>-1</sup>, f) 154 pmol L<sup>-1</sup>, and g) 698 pmol L<sup>-1</sup> 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<sup>-1</sup>, b) 2.0 pmol L<sup>-1</sup>, c) 6.8 pmol L<sup>-1</sup>, d) 13 pmol L<sup>-1</sup>, e) 37 pmol L<sup>-1</sup>, f) 98 pmol L<sup>-1</sup>, g) 135 pmol L<sup>-1</sup> and h) 610 pmol L<sup>-1</sup> 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

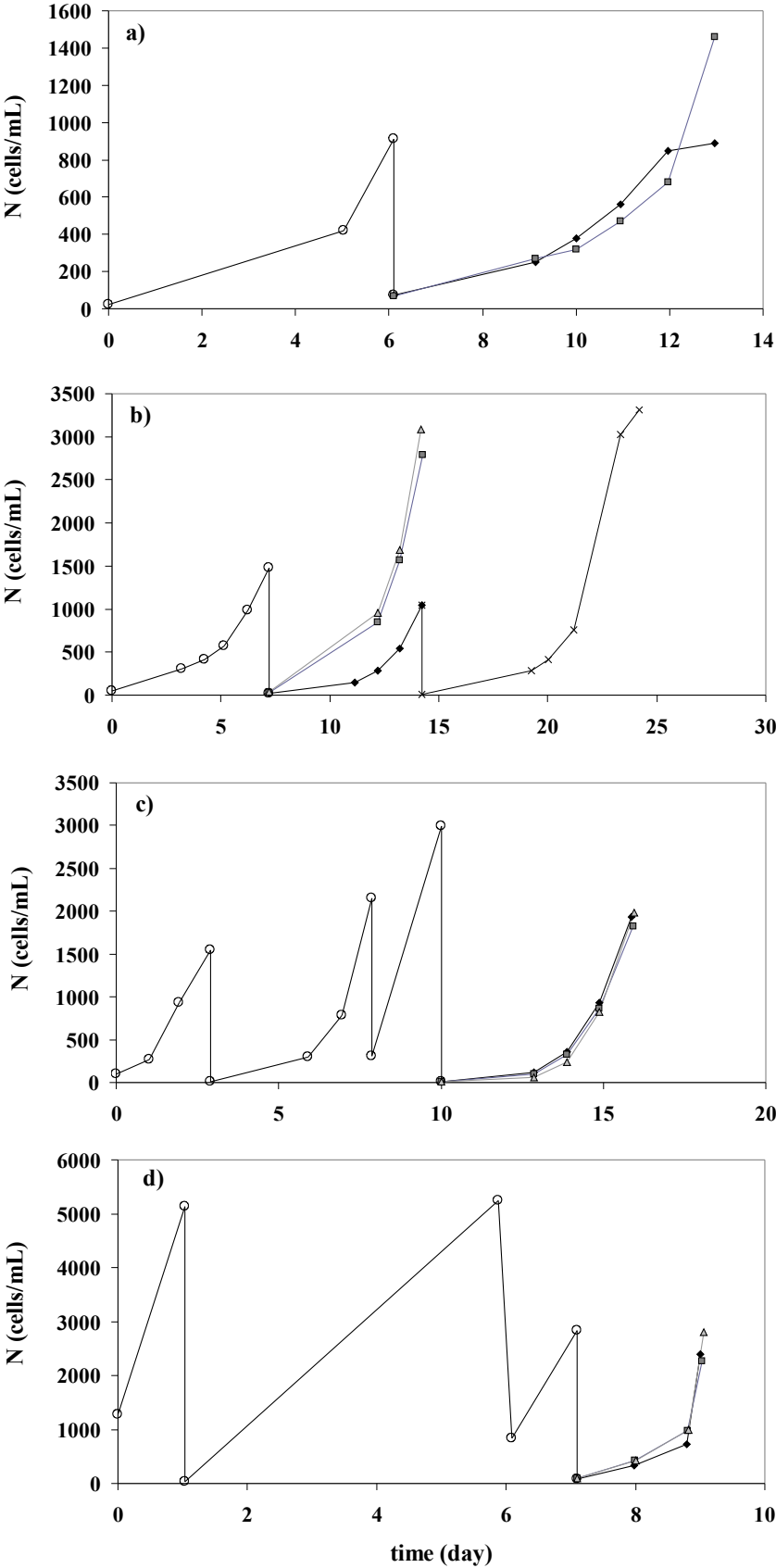


Figure 2

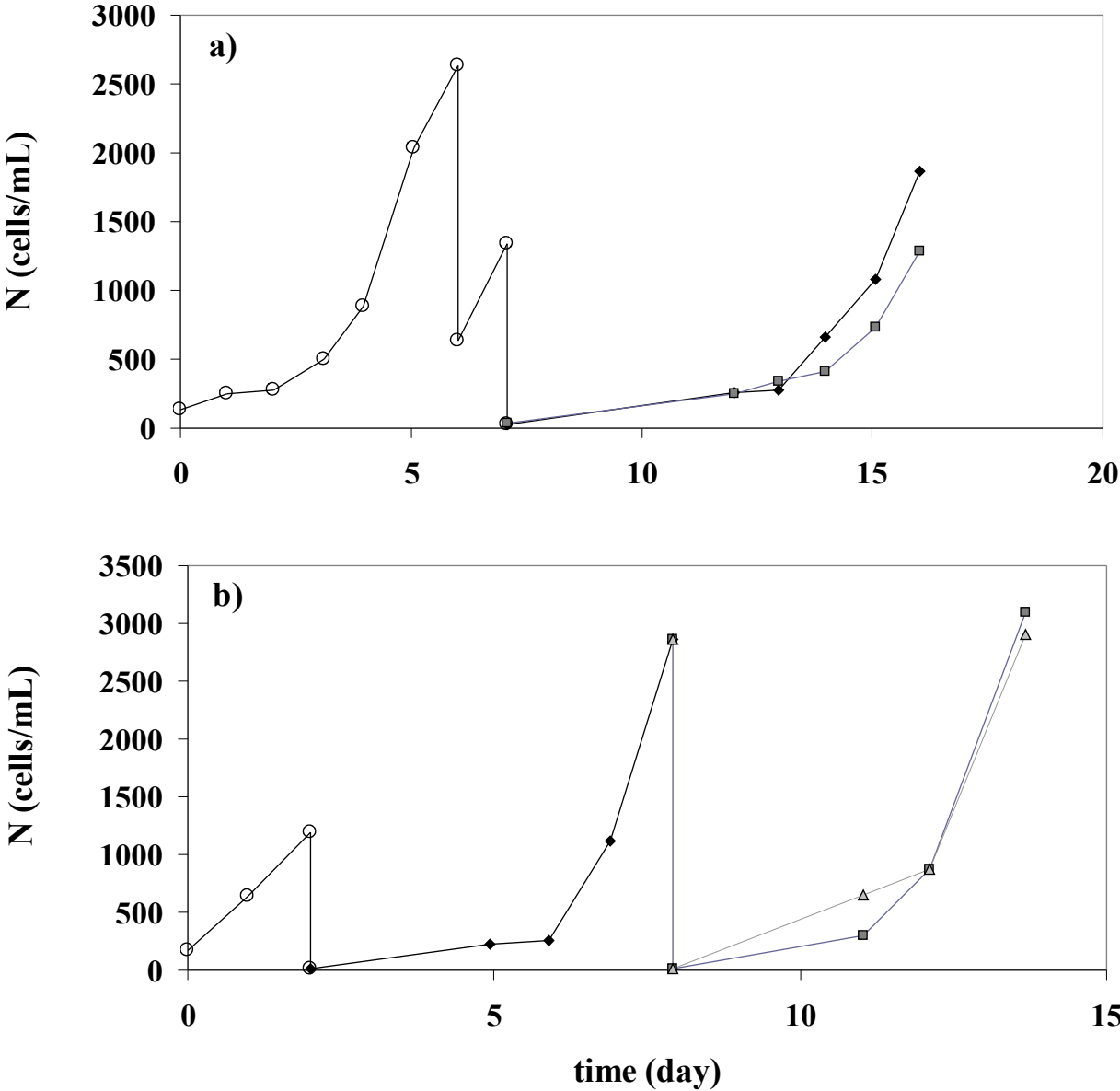


Figure 3

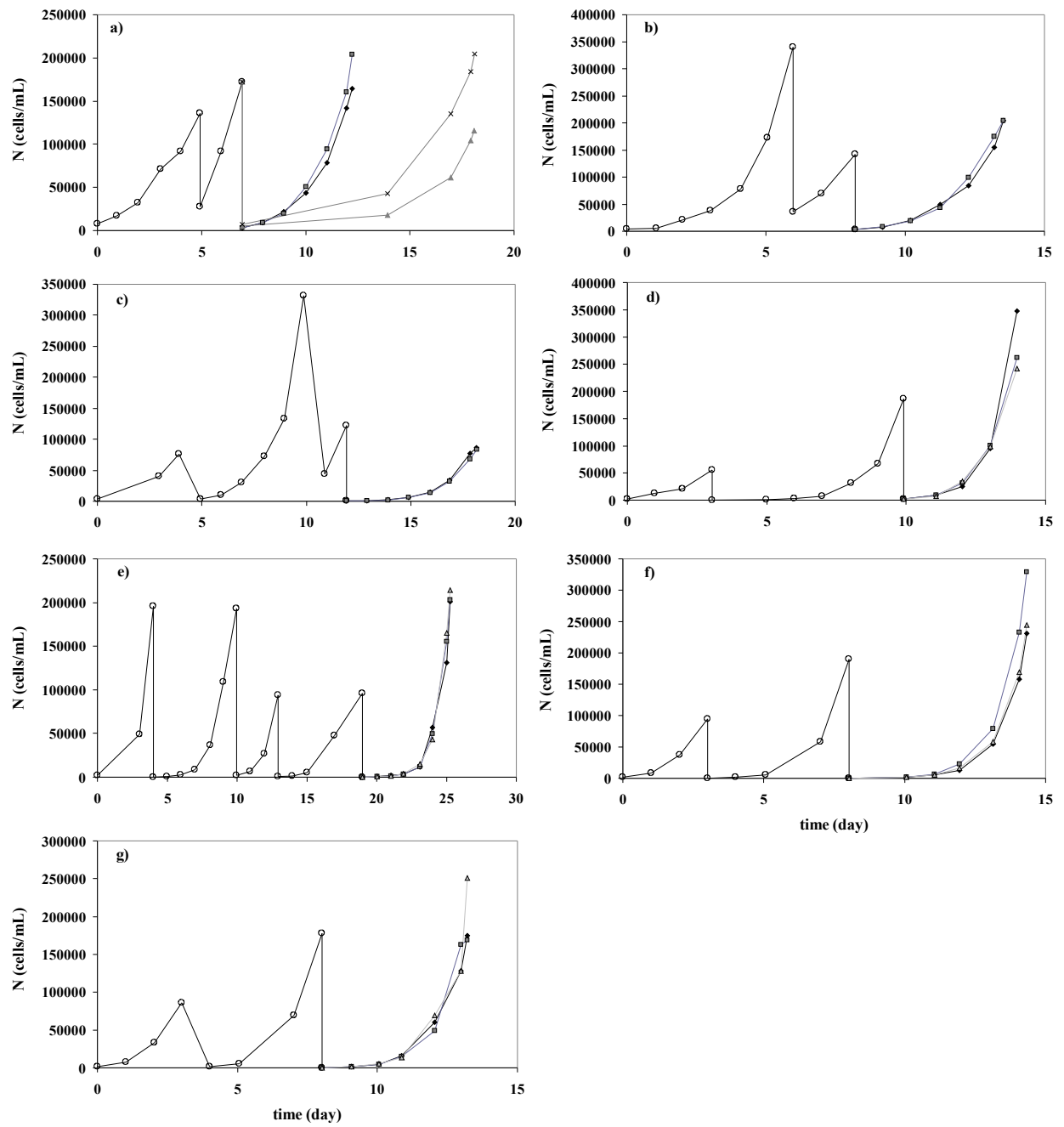


Figure 4

