

Supplementary figures:

Fig. S1. Light micrographs of dominant protozoan species representative of the major protozooplankton groups differentiated during this study.

Acantharia: (A) *Gigartacon* sp. and (B) *Acanthostaurus* sp.

Nassellaria: (C) *Cycladophora bicornis*

Phaeodaria: (D) *Protocystis* sp.

Taxopodida: (E) *Sticholonche zanclea*

Foraminifera: (F) *Globigerina bulloides*

Aloricate ciliate: (G) *Strobilidium* sp.

Tintinnids: (H) *Cymatocylis calyciformis*, (I) *Cymatocylis antarctica* and (J) *Codonellopsis pusila*

Athecate dinoflagellate: (K) *Gyrodinium* sp.

Thecate dinoflagellates: (L) *Protoperidinium* sp., (M) *Dinophysis* sp.

Scale bar = 20 μ m

Fig. S2. Total acantharia standing stocks integrated over the upper 350 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

Fig. S3. Total aloricate ciliate standing stocks integrated over the upper 100 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

Fig. S4. Total tintinnid standing stocks integrated over the upper 350 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

Fig. S5. Total athecate dinoflagellate standing stocks integrated over the upper 100 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

Fig. S6. Total small (<20 μ m) aplastidic thecate dinoflagellate standing stocks integrated over the upper 100 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

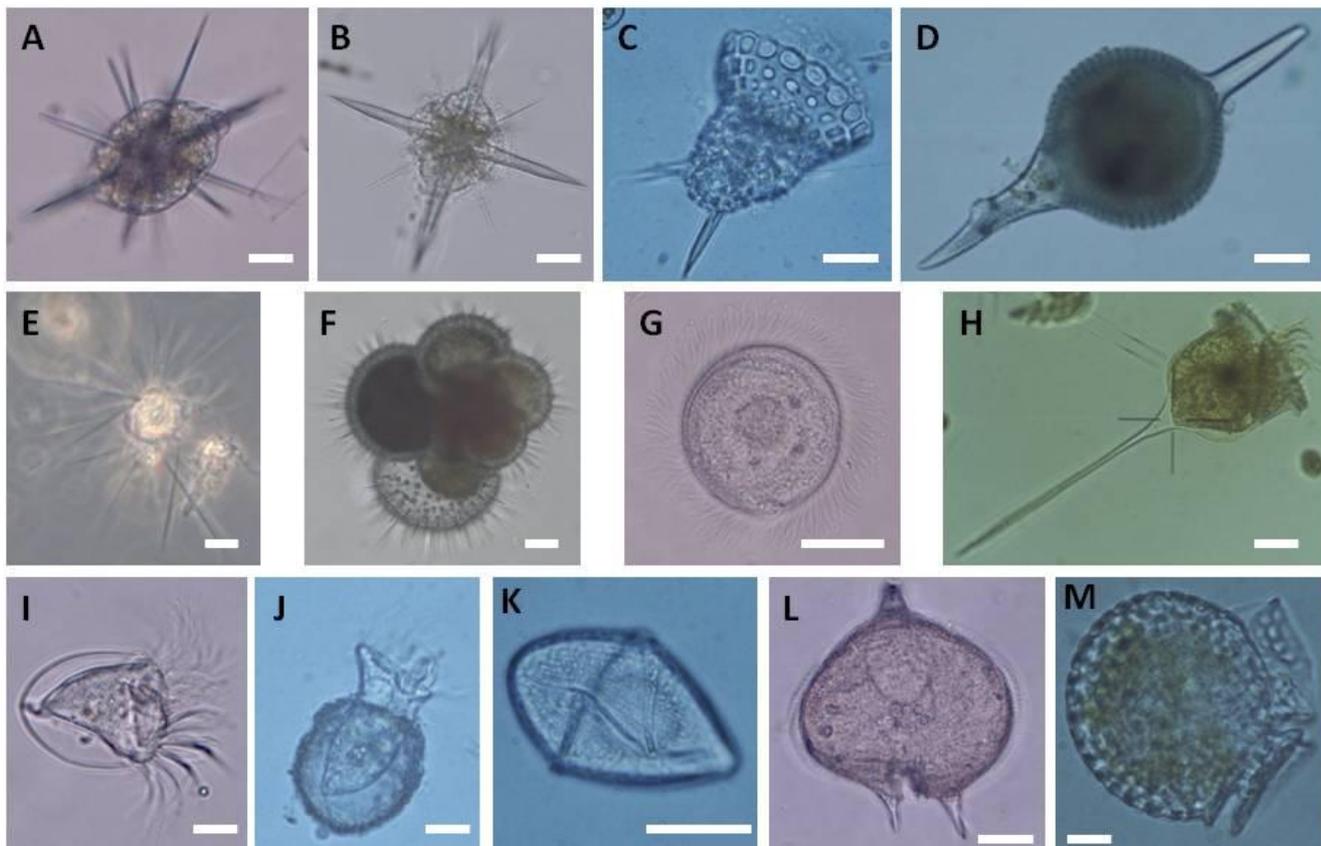
Fig. S7. Total large (>20 μ m) aplastidic thecate dinoflagellate standing stocks integrated over the upper 350 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

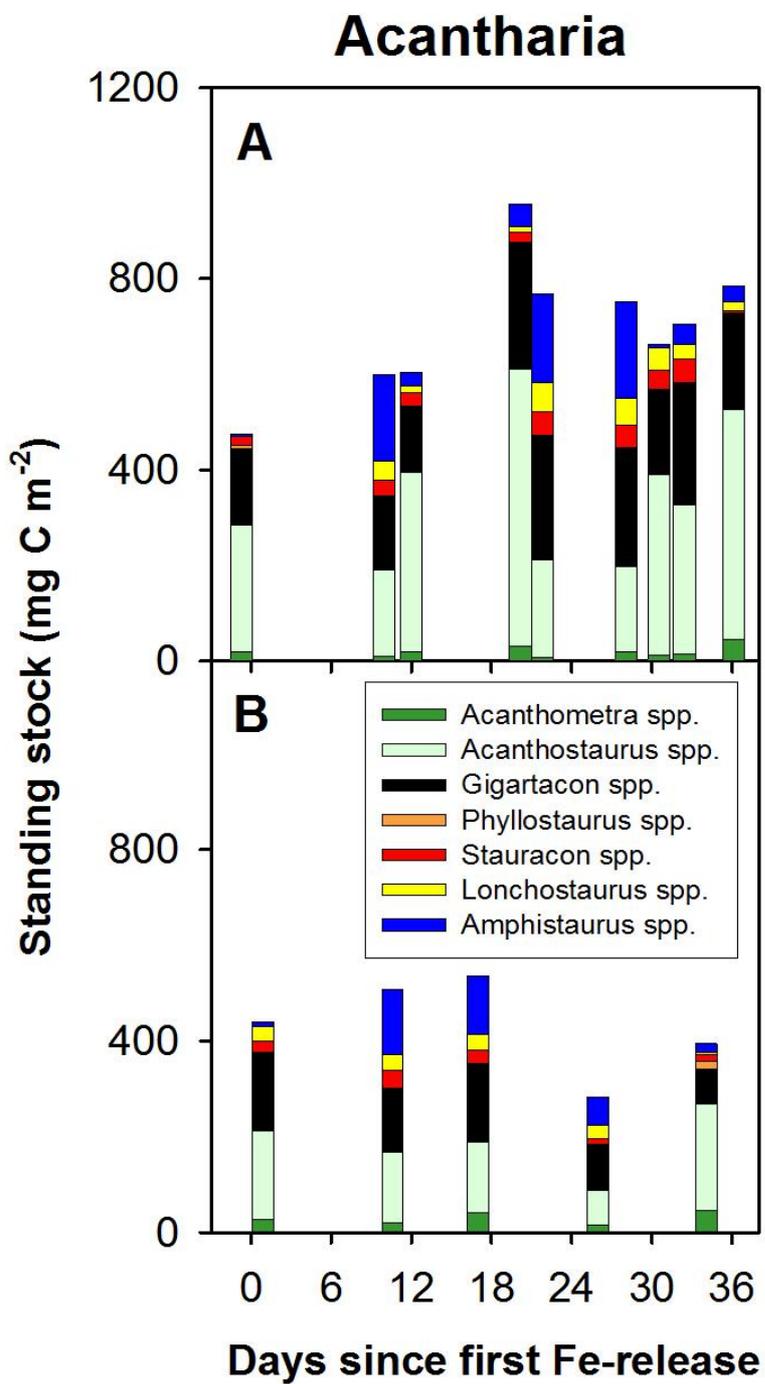
Fig. S8. Total foraminifera standing stocks integrated over the upper 350 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

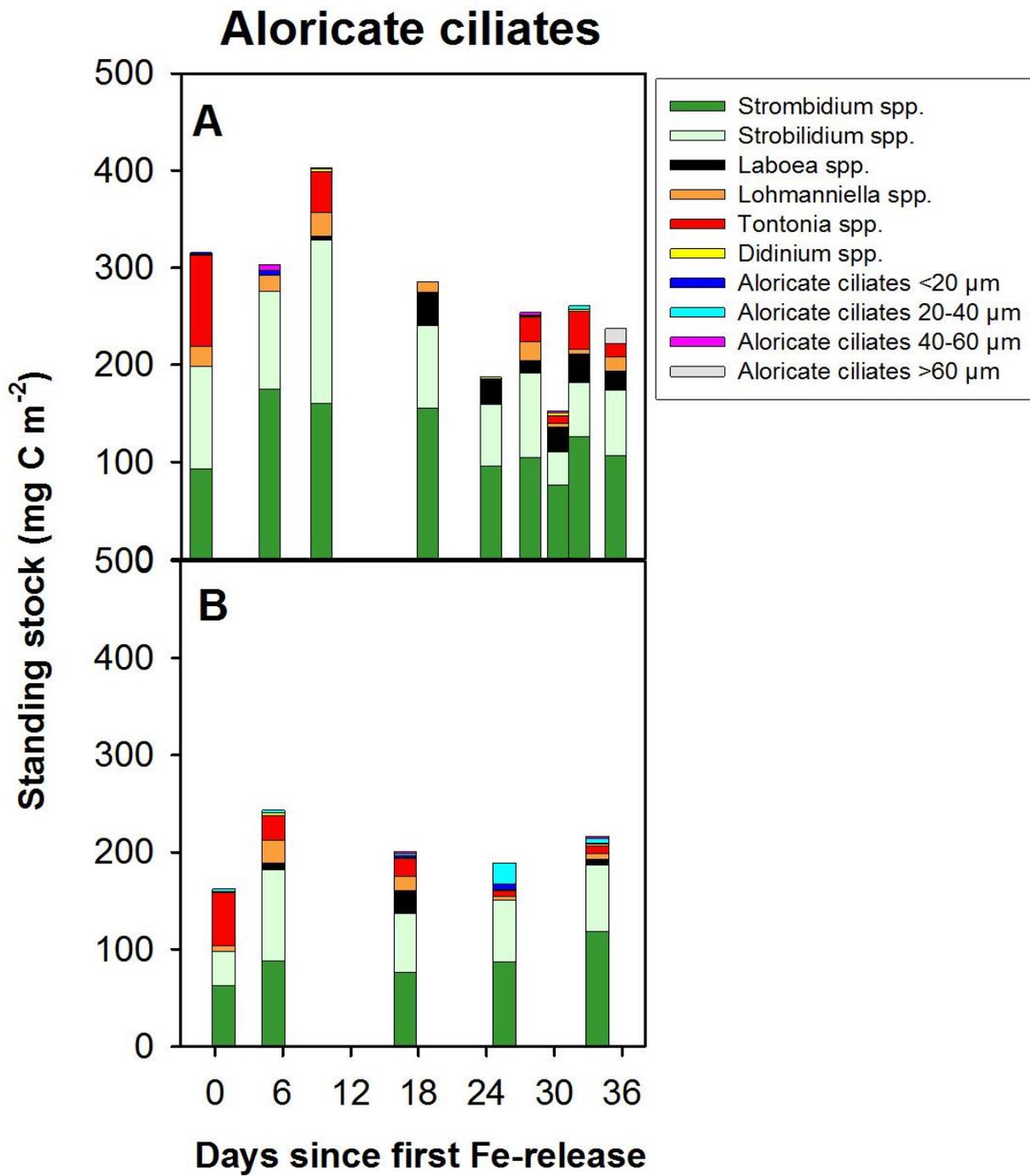
Fig. S9. Total nassellaria standing stocks integrated over the upper 350 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

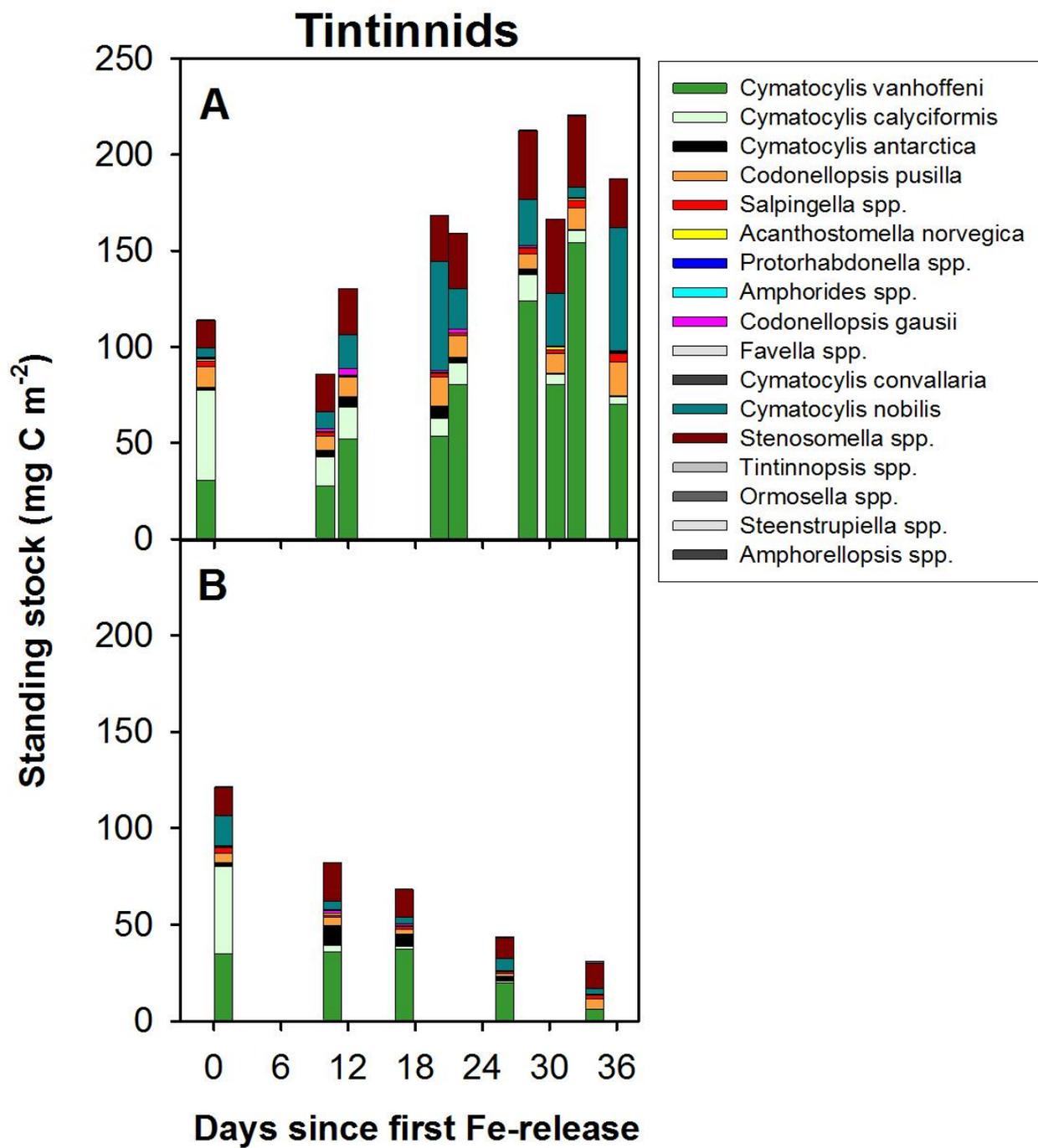
Fig. S10. Total spumellaria standing stocks integrated over the upper 350 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

Fig. S11. Total phaeodaria standing stocks integrated over the upper 350 m with the contribution of different taxa (A) inside and (B) outside the fertilized patch.

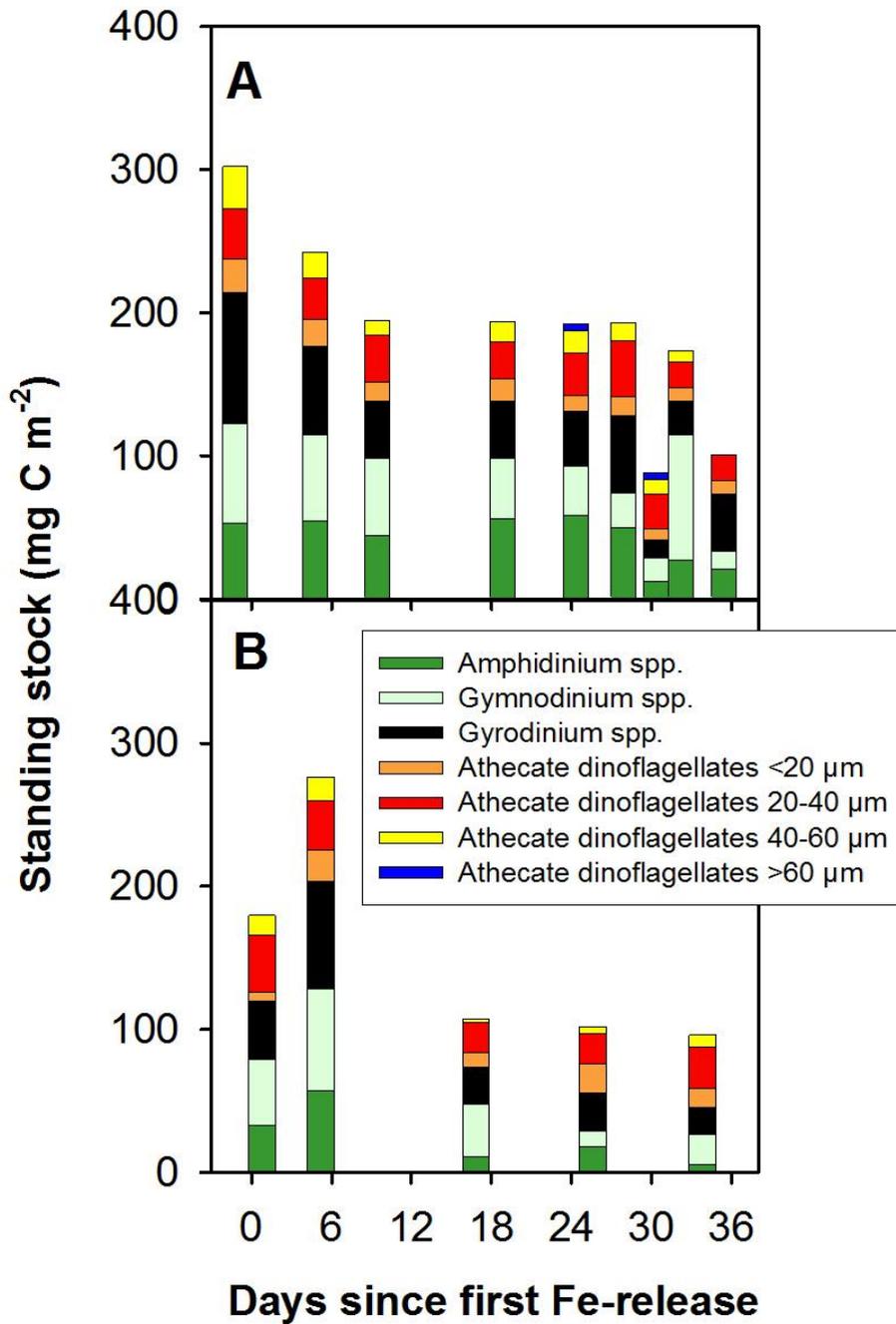




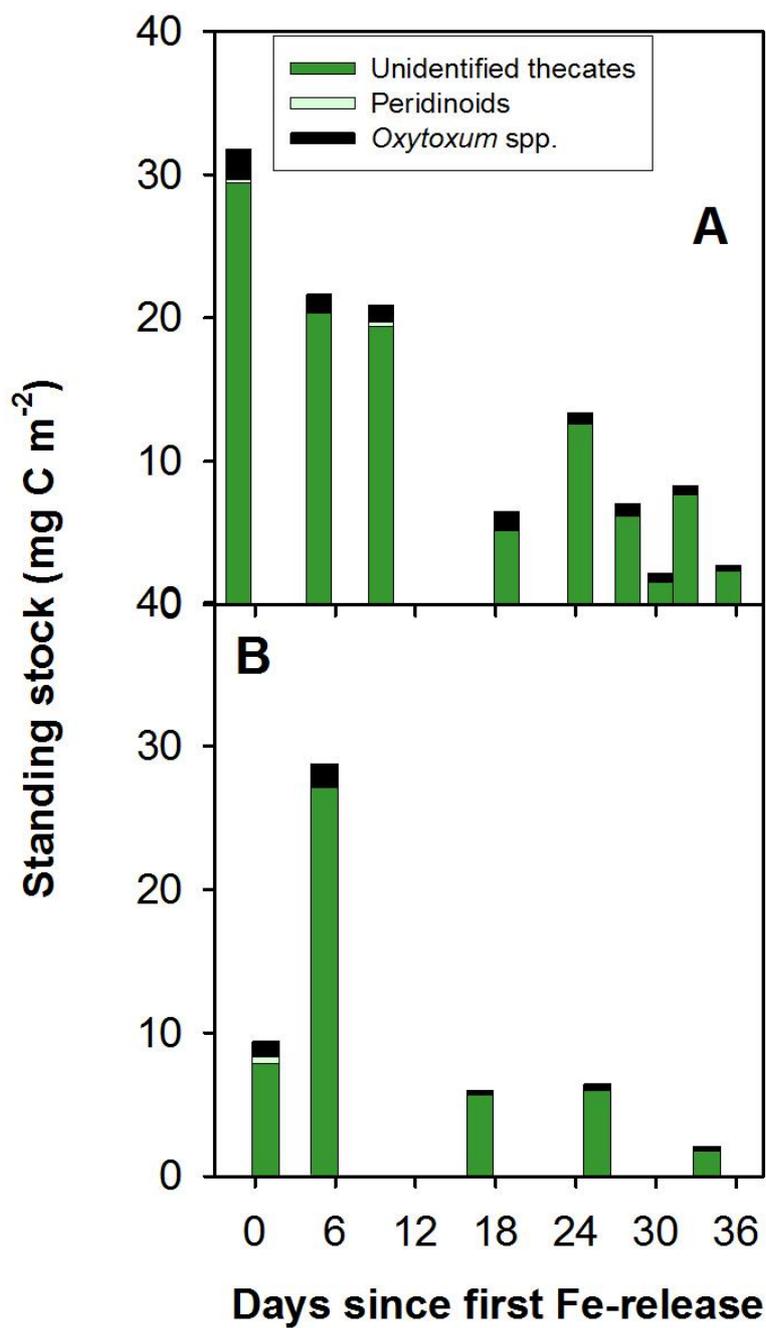




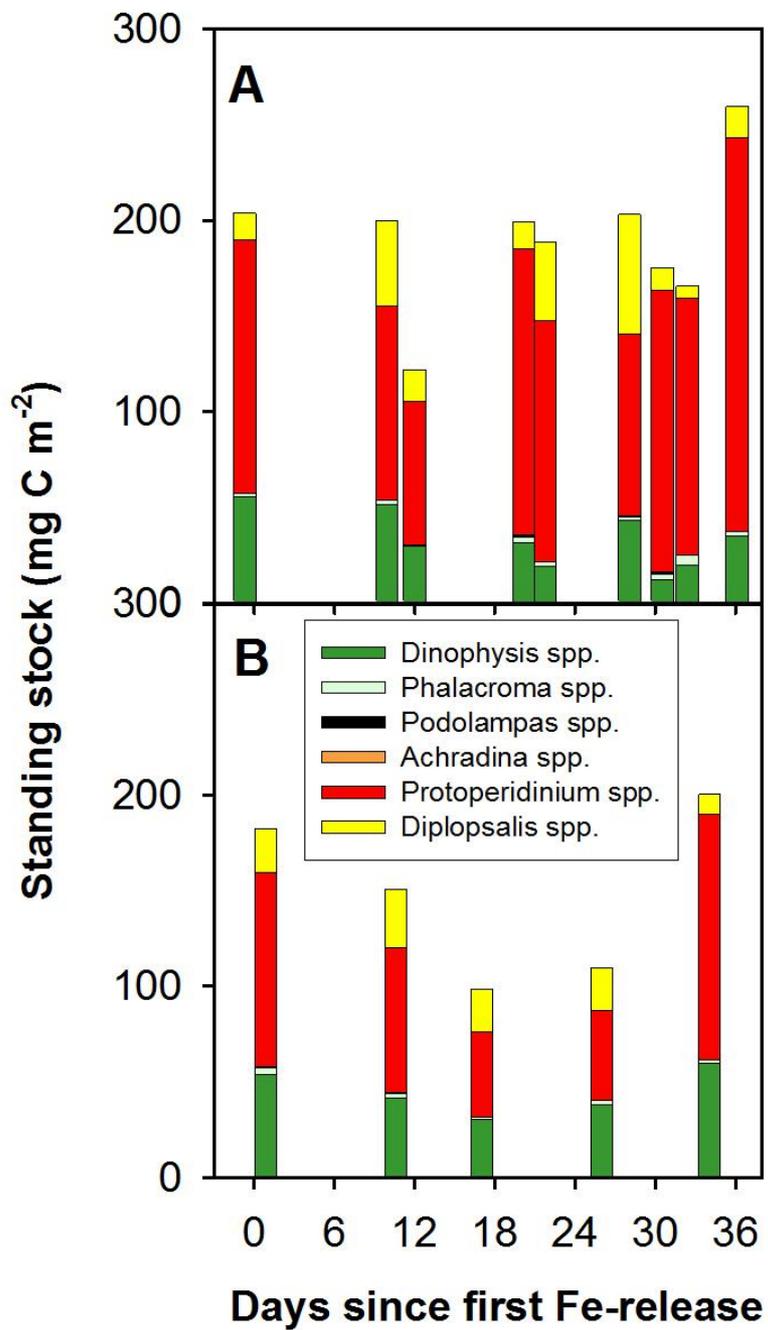
Athebate dinoflagellates

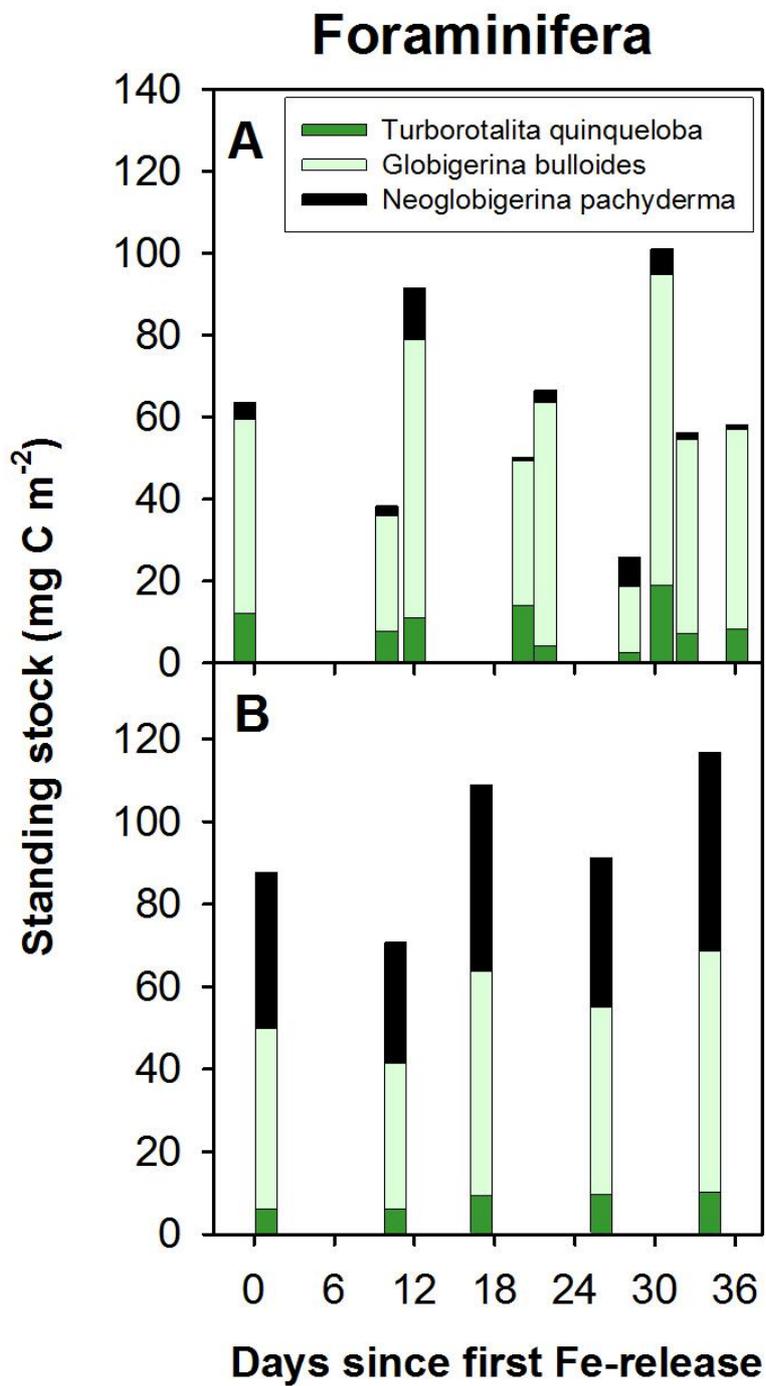


Thecate dinoflagellates <20 μm



Thecate dinoflagellates >20 μm





Nassellaria

