

## **Extreme heat changes post-heatwave community reassembly**

Running head: Extreme heat alters community recovery

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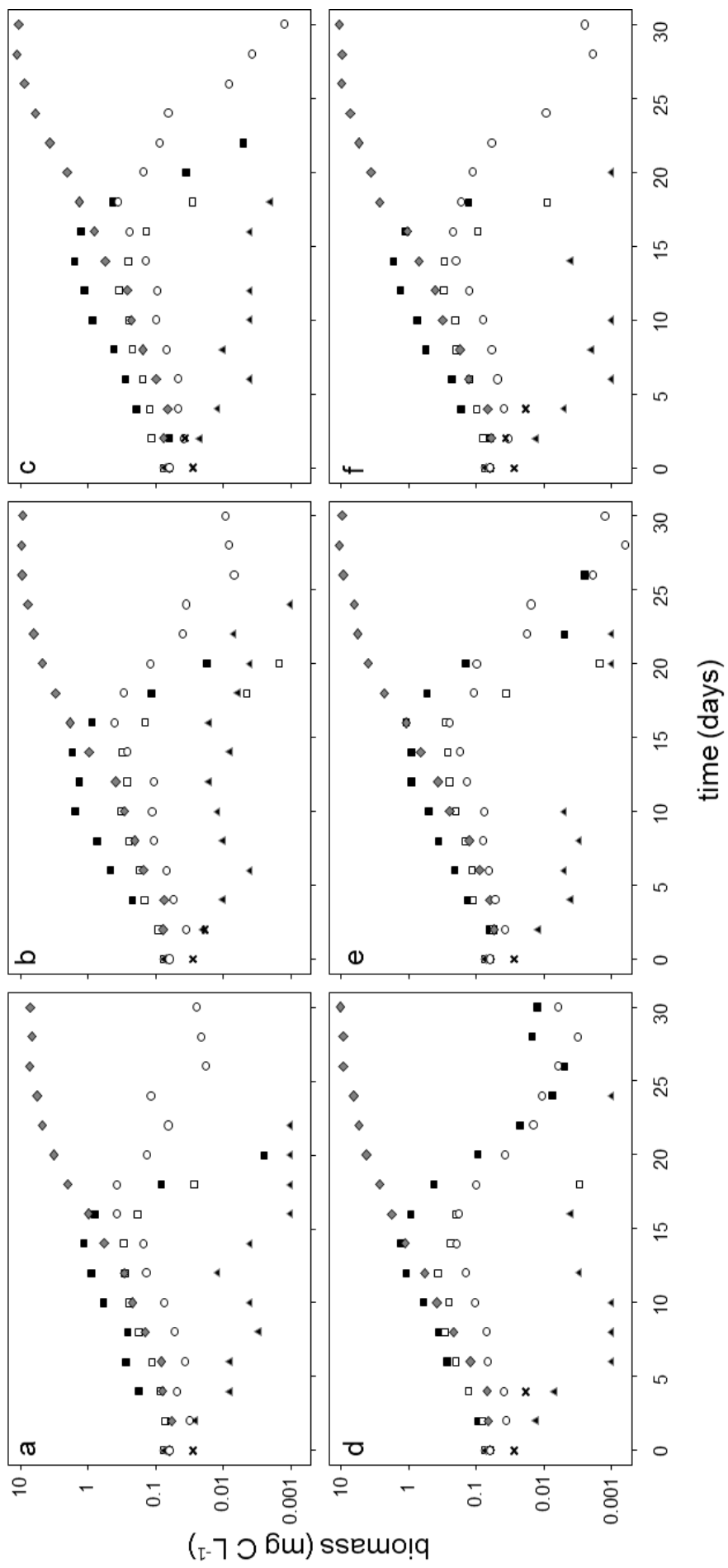
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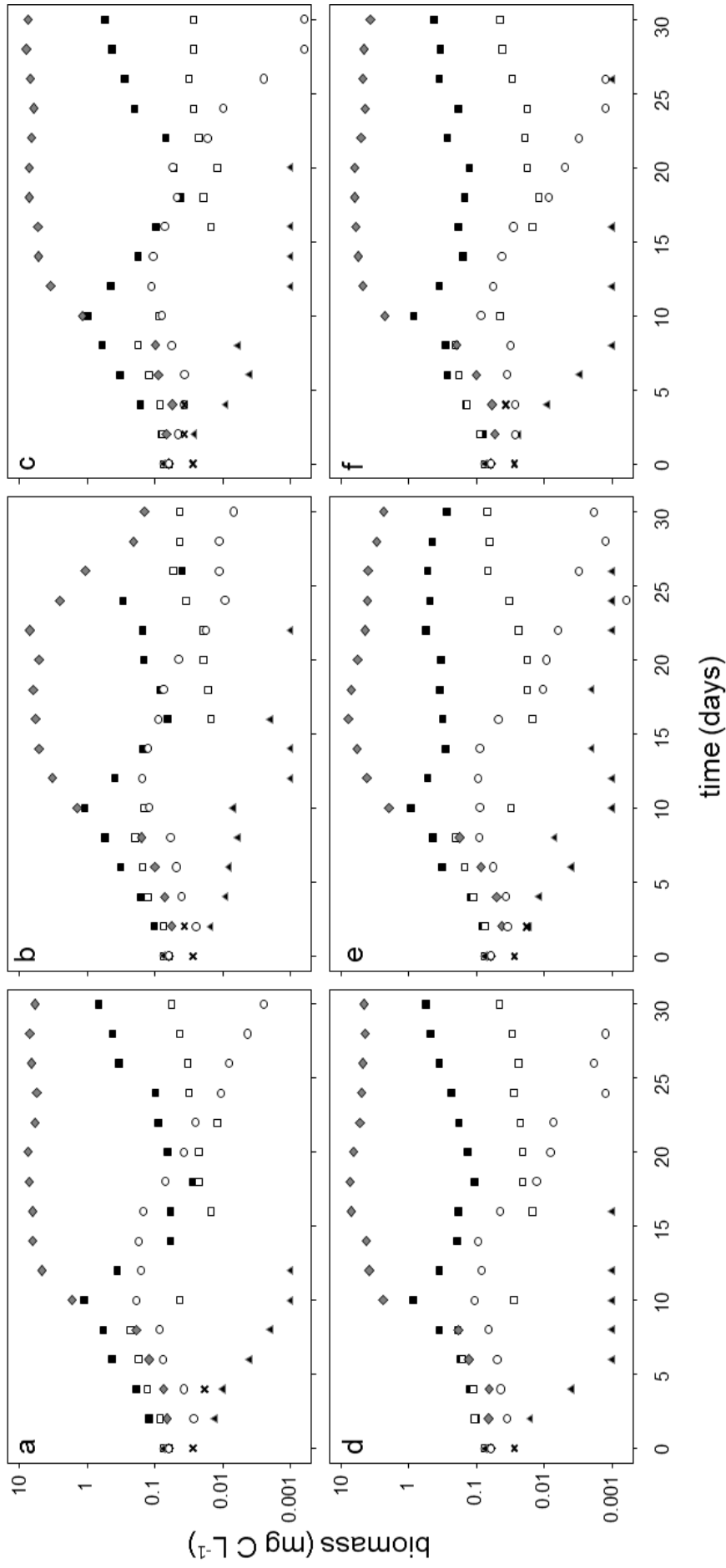
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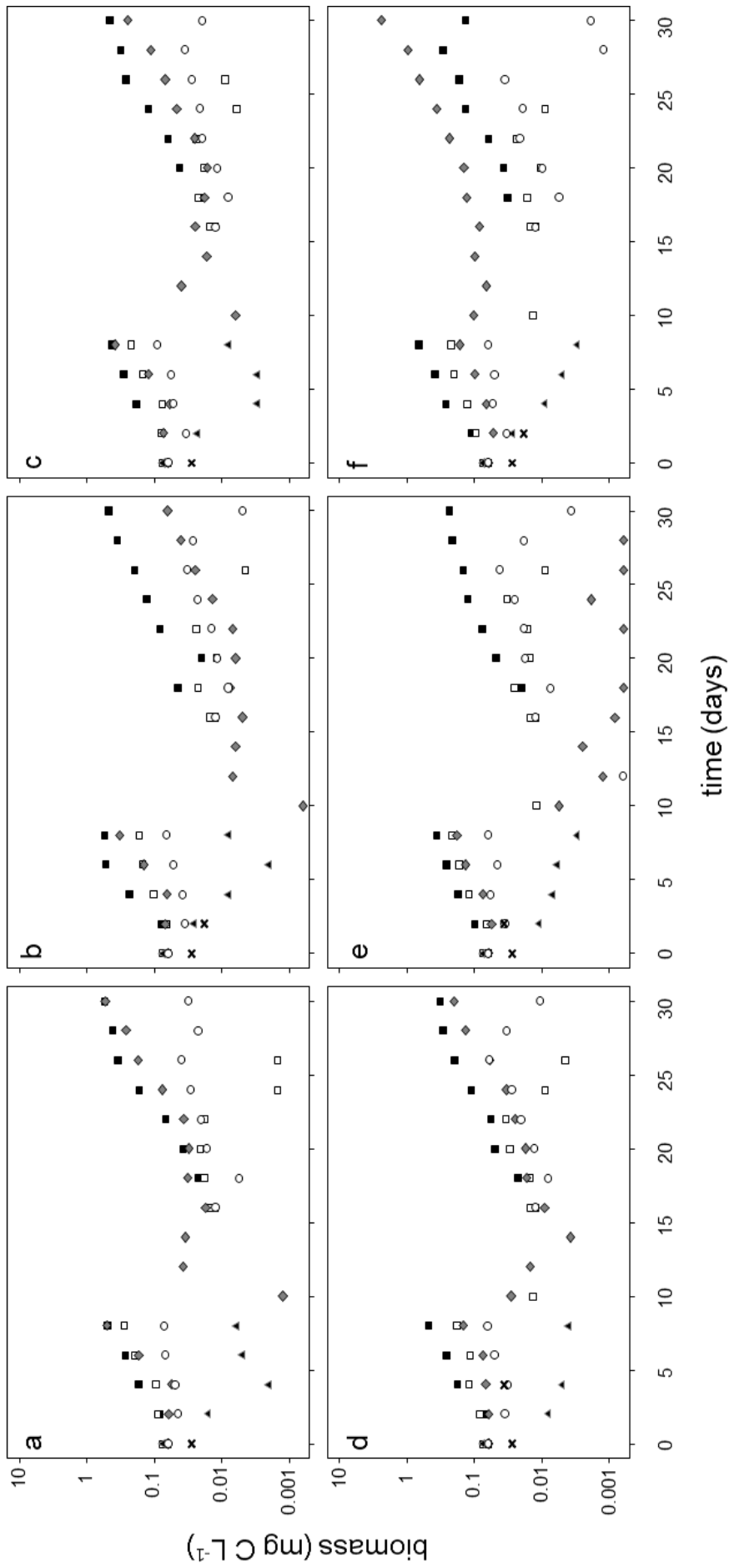
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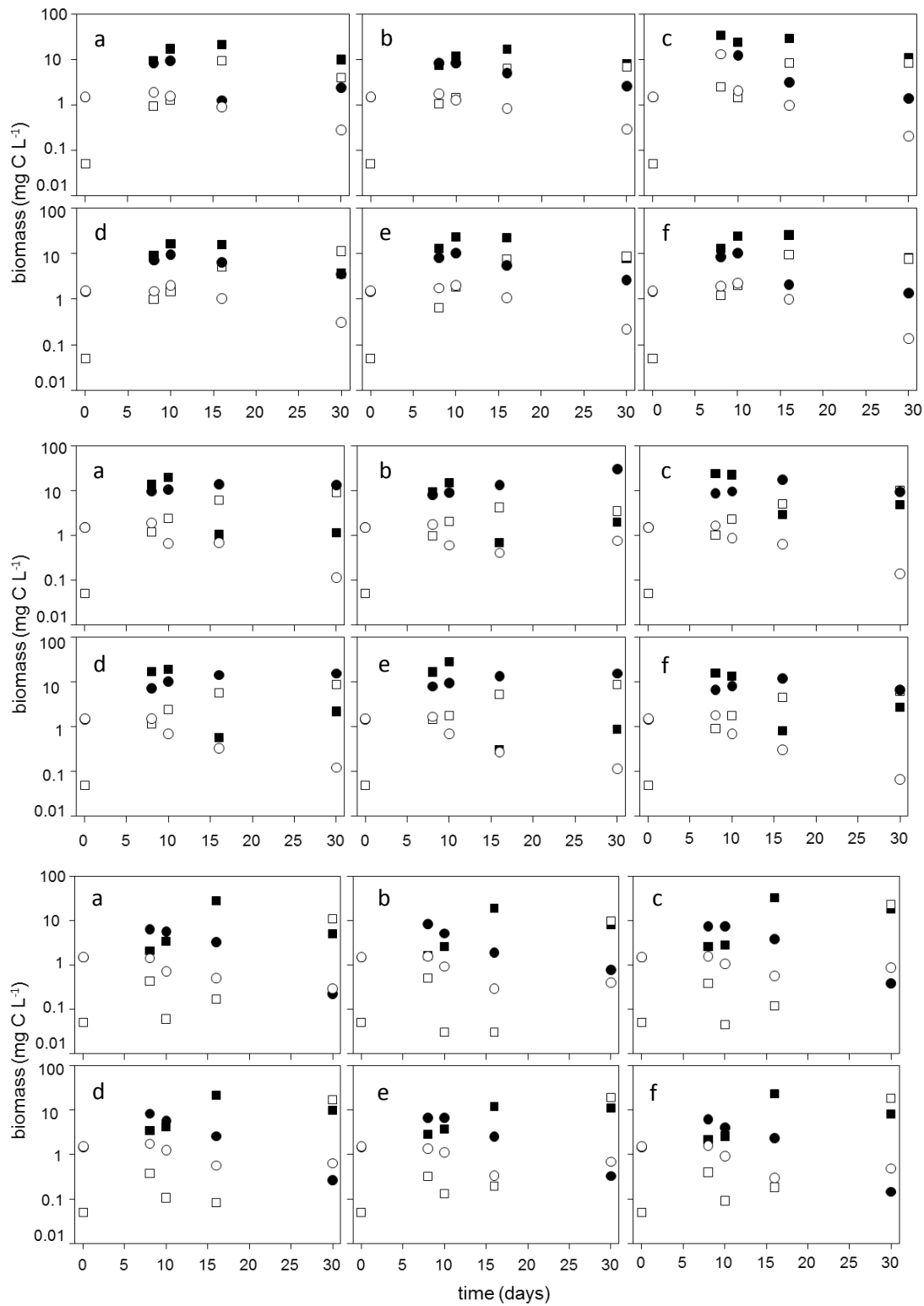
**Fig. S1:** Control rotifer communities at 15°C. Replicates a – f. Mean biomass ( $\pm$ SE) are expressed in mg C L<sup>-1</sup>. Species are *Brachionus calyciflorus* (closed squares), *B. havanaensis* (open squares), *Cephalodella* (grey diamonds), *Lecane* (open circles), *Keratella* (grey triangles) and *Asplanchna* (crosses).



**Fig. S2:** Rotifer communities of the 29°C heat wave treatment. Replicates a – f. Heat waves started at day 8 and ended at day 10. Lost species were re-introduced at day 16. Mean biomass ( $\pm$ SE) are expressed in mg C L<sup>-1</sup>. Species are *Brachionus calyciflorus* (closed squares), *B. havanaensis* (open squares), *Cephalodella* (grey diamonds), *Lecane* (open circles), *Keratella* (grey triangles) and *Asplanchna* (crosses).



**Fig. S3:** Rotifer communities of the 39°C heat wave treatment. Replicates a – f. Heat waves started at day 8 and ended at day 10. Lost species were re-introduced at day 16. Mean biomass (±SE) are expressed mg C L<sup>-1</sup>. Species are *Brachionus calyciflorus* (closed squares), *B. havanaensis* (open squares), *Cephalodella* (grey diamonds), *Lecane* (open circles), *Keratella* (grey triangles) and *Asplanchna* (crosses).



**Fig. S4:** Algal communities of (top) the control, (middle) the 29°C heat wave and the (bottom) 39°C heat wave treatment. Replicates a – f. Heat waves started at day 8 and ended at day 10. Species are *Monoraphidium* (closed circles), *Nannochloropsis* (open circles), *Chlamydomonas* (closed squares), Chrysophyte (open squares).