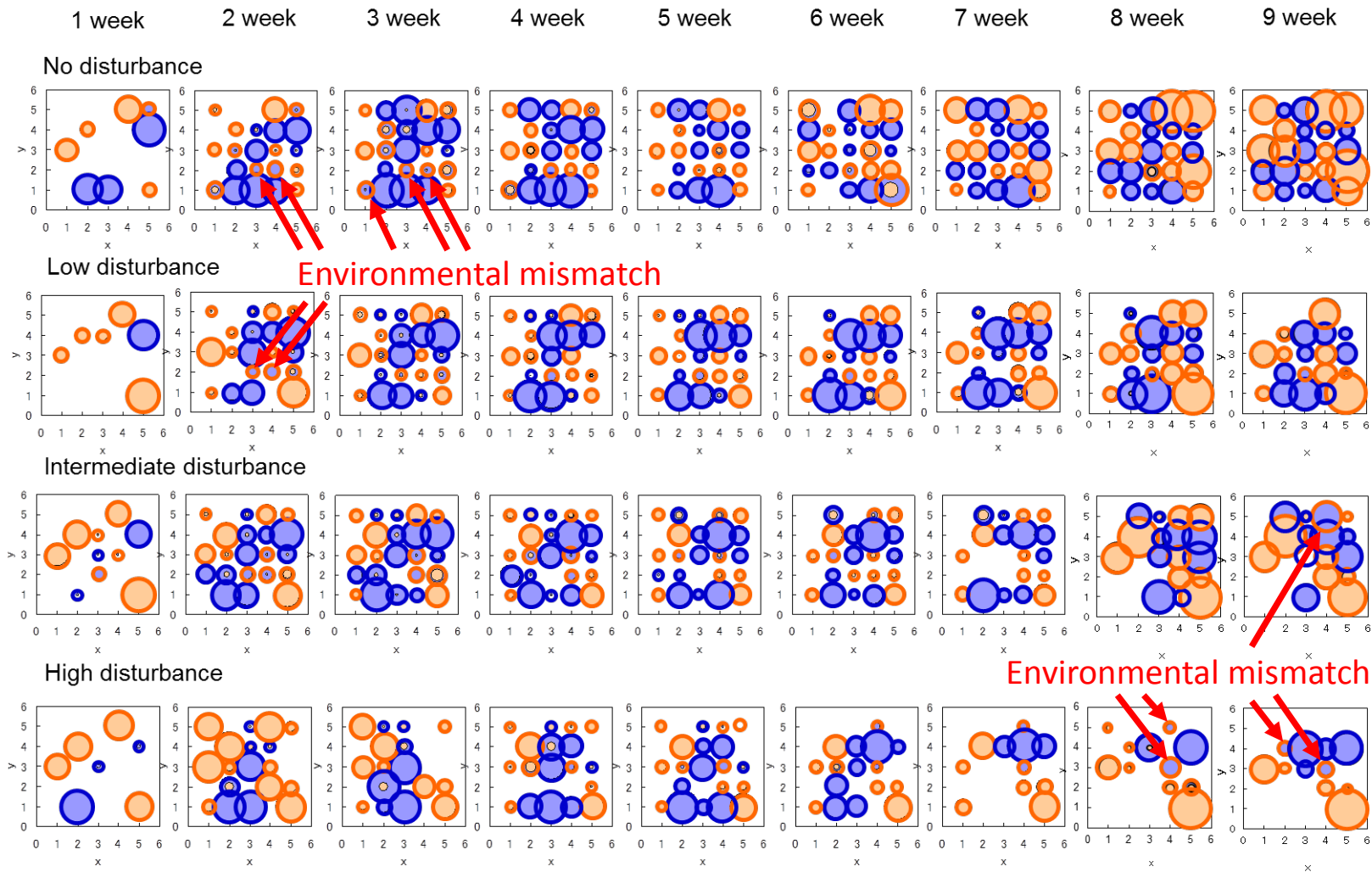
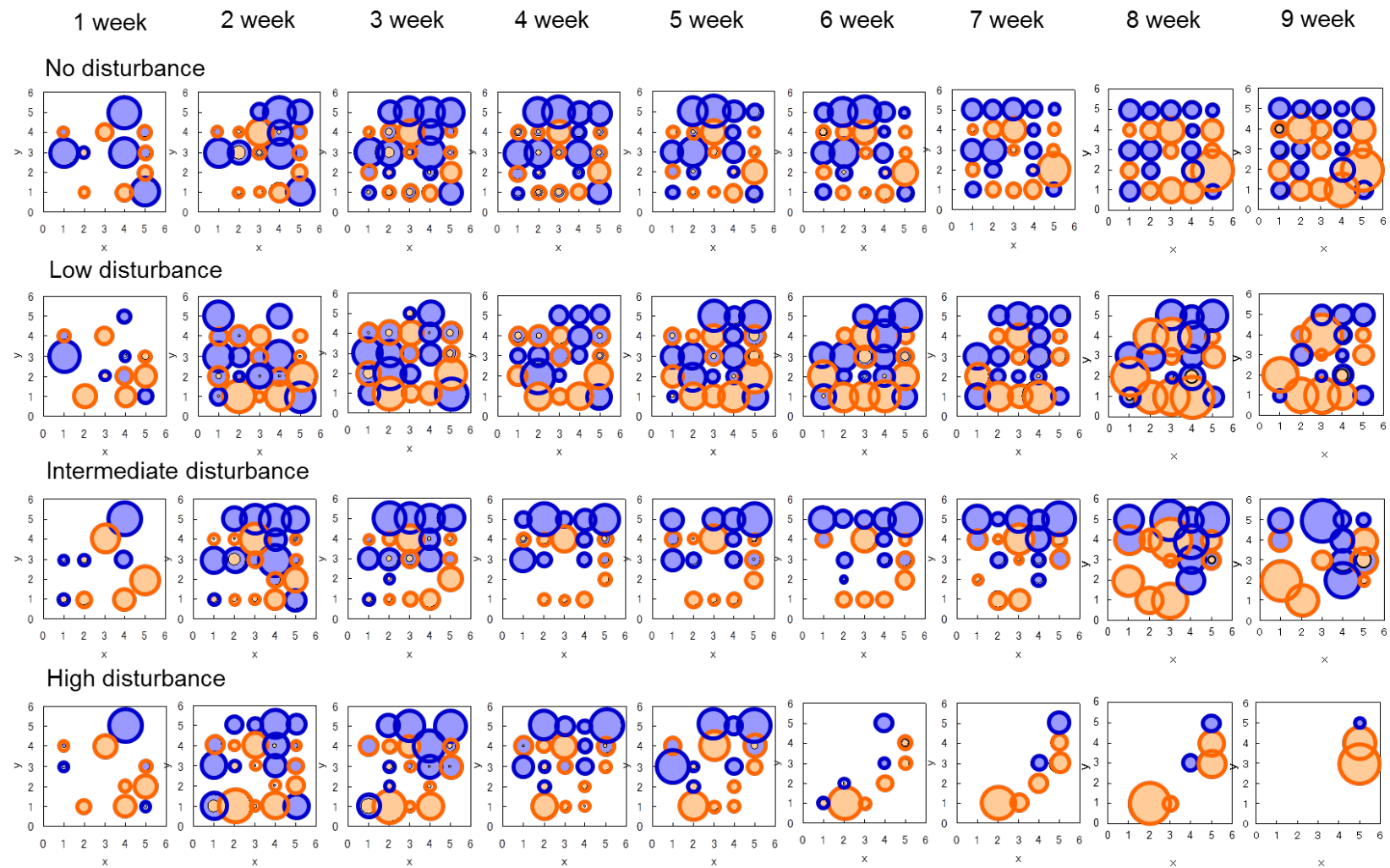


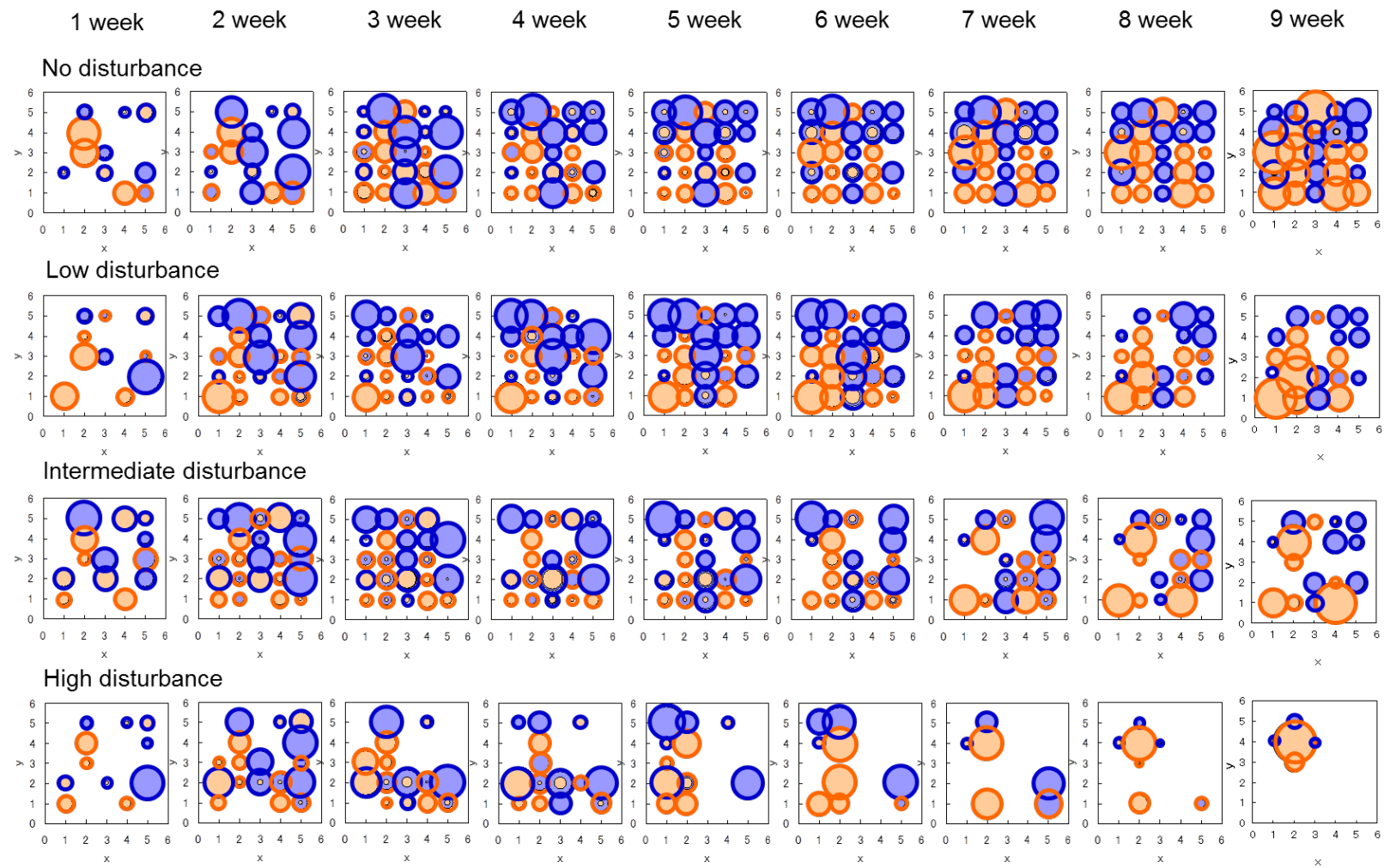
Appendix E. Fig. E1–5 (below). Species distribution pattern of two protist species in four disturbance treatments during the 9-week experimental period. Panels a–e show five replicates of landscapes that have different alignment of light and dark environments. Edge colors of patches show light (blue) and dark (orange) environments and patch internal colors show *Paramecium* (blue circles) and *Colpidium* (orange circles). If the species stay in their optimal environments (i.e., *Paramecium* stay in the light patch), edge and internal colors are the same type of color (i.e., blue and blue). The size of circles is proportional to the population size in each patch. Patches with two colors show species coexistence. Red arrows show the patches that have environmental mismatch (see text).



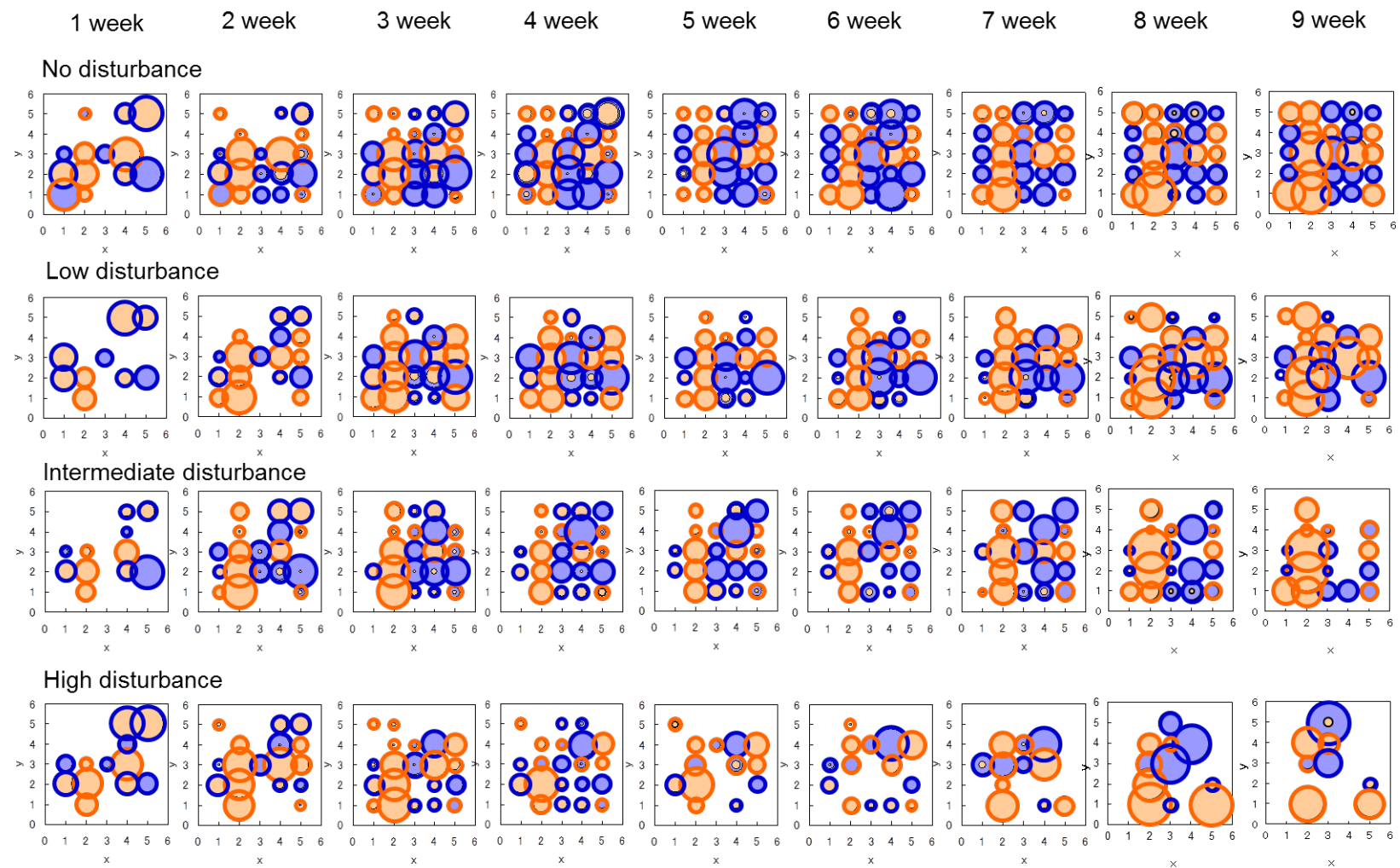
Appendix Fig. E1. Replicate 1



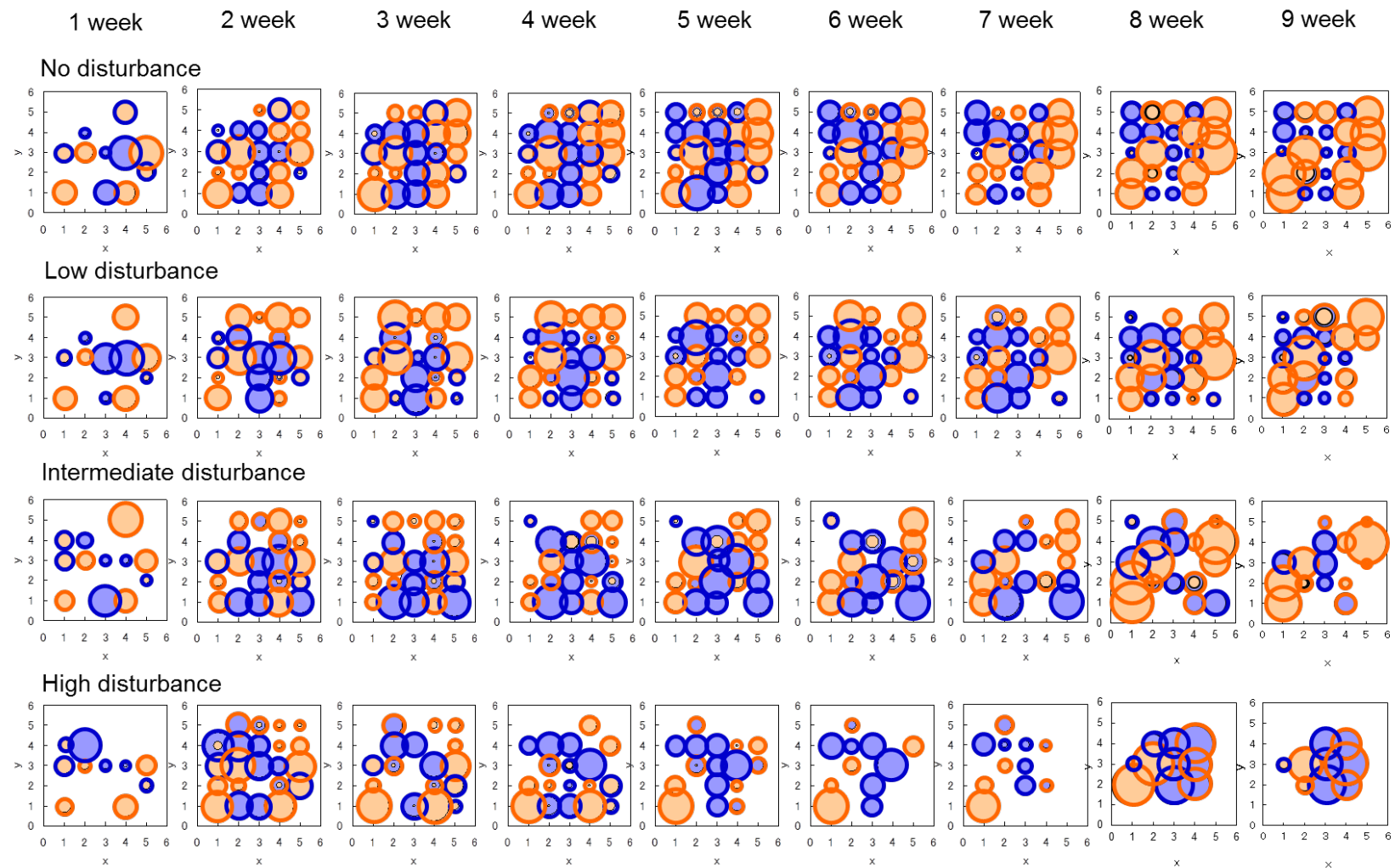
Appendix Fig. E2. Replicate 2



Appendix Fig. E3. Replicate 3



Appendix Fig. E4. Replicate 4



Appendix Fig. E5. Replicate 5