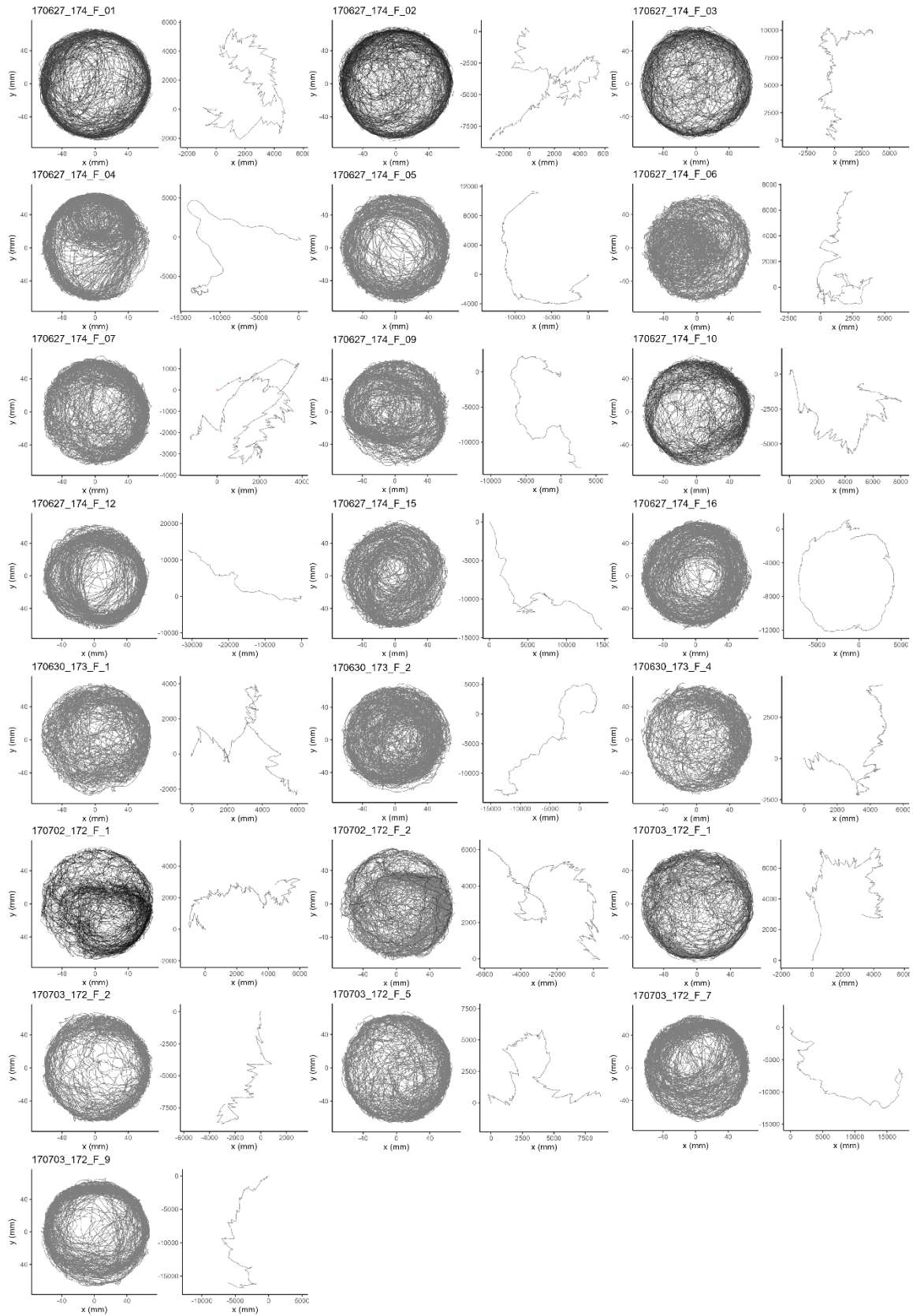Supplement materials for
Evaluating mate encounter and walking dispersal dynamics of termites using posture tracking and behavioral simulation

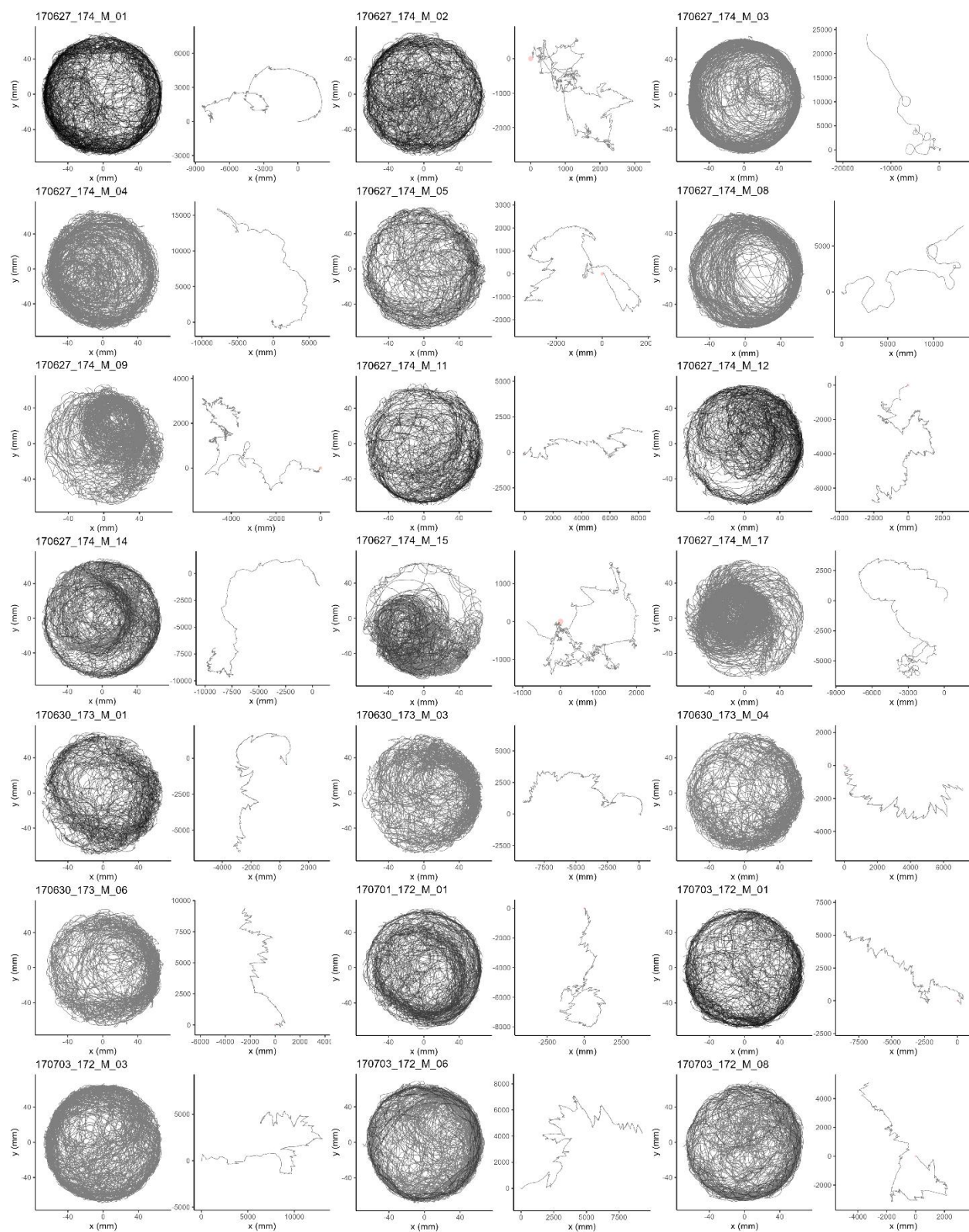**Nobuaki Mizumoto**
Department of Entomology & Plant Pathology, Auburn University, Auburn, AL, 36849, USA
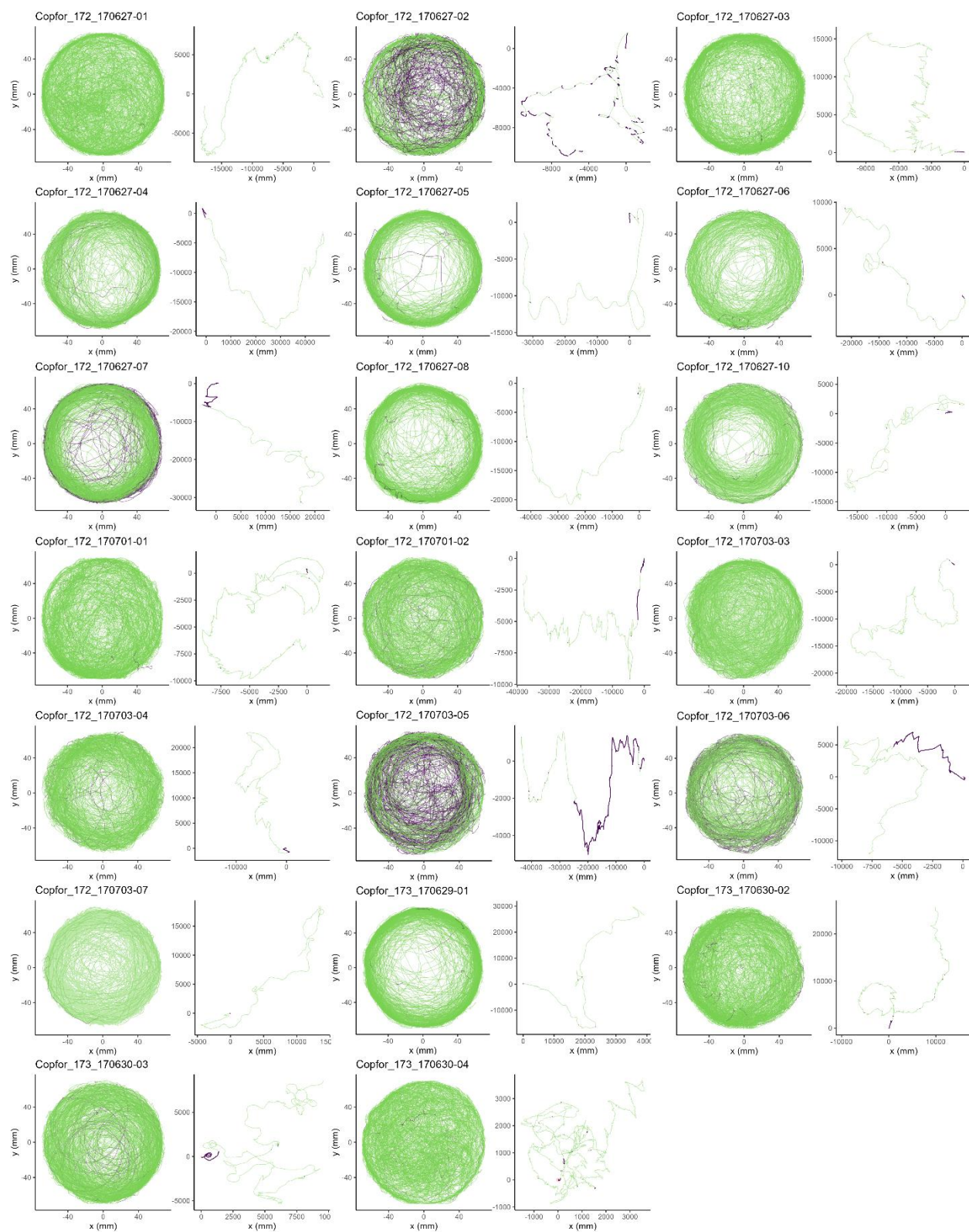nzm0095@auburn.edu

Figure S1-S4

Figure S1. Original and unwrapped trajectories of single females.
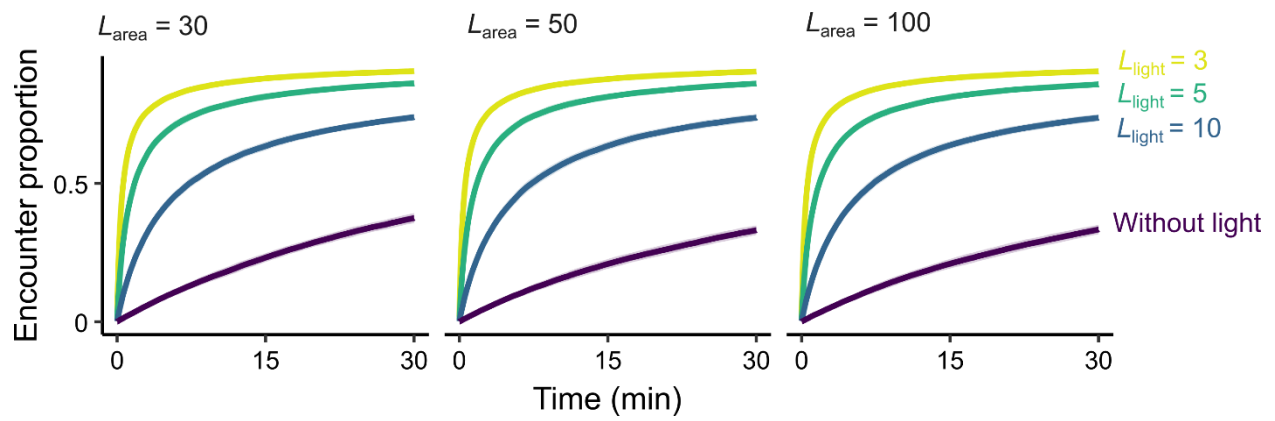
Figure S2. Original and unwrapped trajectories of single males.

Figure S3. Original and unwrapped trajectories of tandem running pairs. Green is for tandem running, while purple is for separation.

Figure S4. The results of the sensitivity analysis of the parameters L_{area} and L_{light} when n = 1,000.