



Figure S4. Examples for analyses of the association between different life stages for the species *Distylium myricoides*. The bivariate pair-correlation function $g_{12}(r)$ was contrasted to the heterogeneous Poisson null model. The simulation envelopes (dashed lines) were constructed using the 5th-lowest and 5th-highest $g(r)$ values of 199 Monte Carlo simulations. Solid circles indicate observed point patterns. The density of sapling aggregation peaked at the 5 m distance away from adults (D), while juveniles and adults showed closer spatial aggregation at scales below 5 m (B) than saplings and adults. Between saplings and juveniles,

they had the closest association compared to offspring-adult associations (F). The ring width was 3 m. (A), (C), (E) the distribution of each pair of life stages in the plot (green circles for adults, blue circles for juveniles, red circles for saplings).