

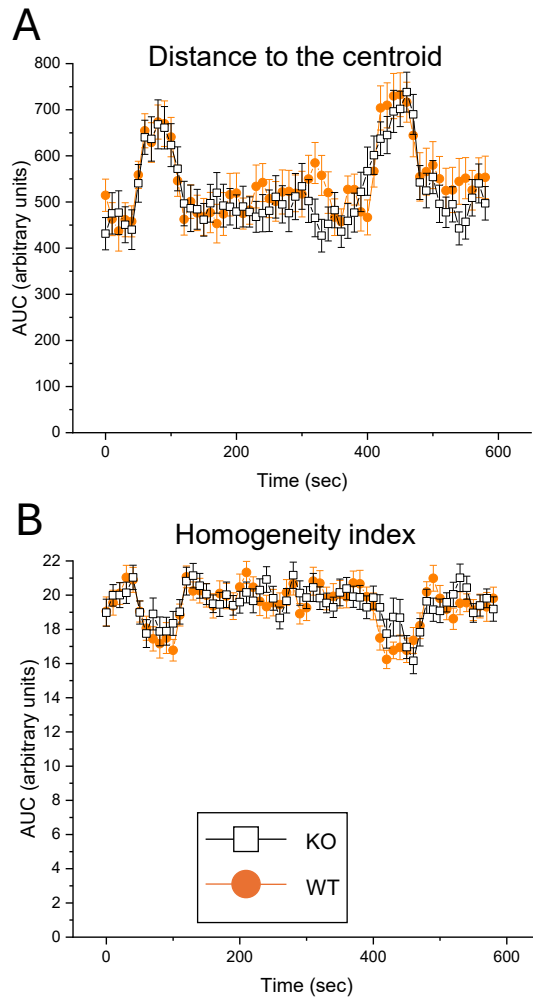


Figure S1. High-resolution temporal dynamics of shoal cohesion parameters. Mean distance to the centroid (A) and homogeneity index (B) for WT and KO shoals plotted at 10-second resolution across the 10-minute observation period. Values are expressed as area under the curve (AUC) calculated for each 10-second interval. Data are presented as mean $\pm$ S.E.M. at each sampled time point, with each point representing the average across independent shoals (WT, $n = 28$; KO, $n = 31$).