Electronic supplementary material

Paper titled: “Simultaneous Measurements of Three-Dimensional Trajectories and Wingbeat Frequencies of Birds in the Field”

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Figure S1: Box plots of wingbeat frequency averaged over flapping modes after excluding rooks (that is, birds with mean wingbeat frequency<4 Hz). For each flock, we selected birds that are flying in low density regions defined by \( N_{3m} < \text{mean}(N_{3m}) - \text{std}(N_{3m}) \), and that are flying in high density regions defined as \( N_{3m} > \text{mean}(N_{3m}) + \text{std}(N_{3m}) \).