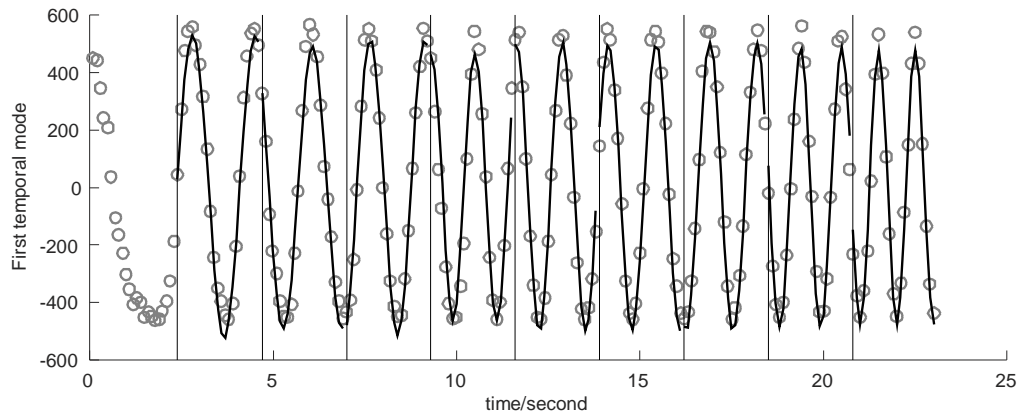
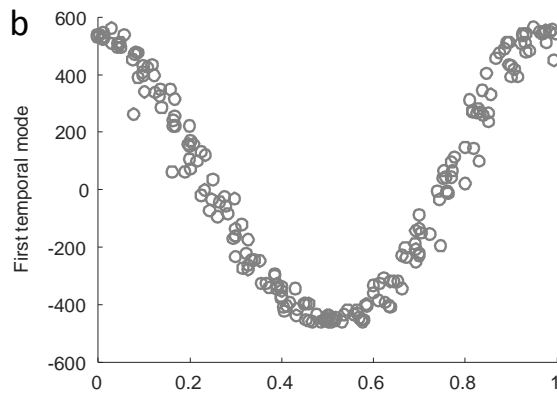


Supplementary figure 3

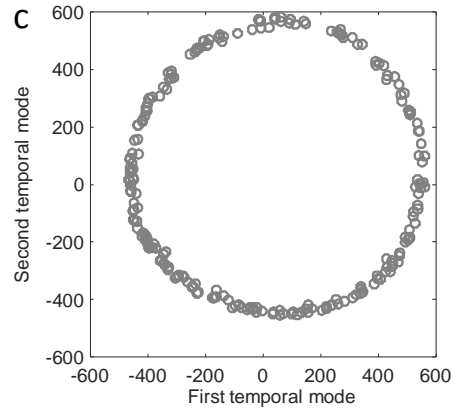
a



b



c



Reconstruction of phase-averaged wingbeat with fitted sinusoidal curves. a) The first temporal mode (circles) and sinusoidal curves fitted by Levenberg-Marquardt algorithm in each window. The first window in this sequence is neglected due to phase-lock. b) The temporal modes arranged by the phase derived by fitted curves. c) First and second temporal modes.