

Fig. S1. Body mass (without the swim bladder) versus total body mass of advertisement calling type I males.

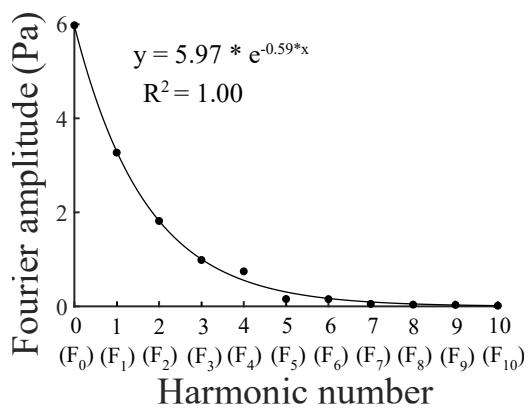
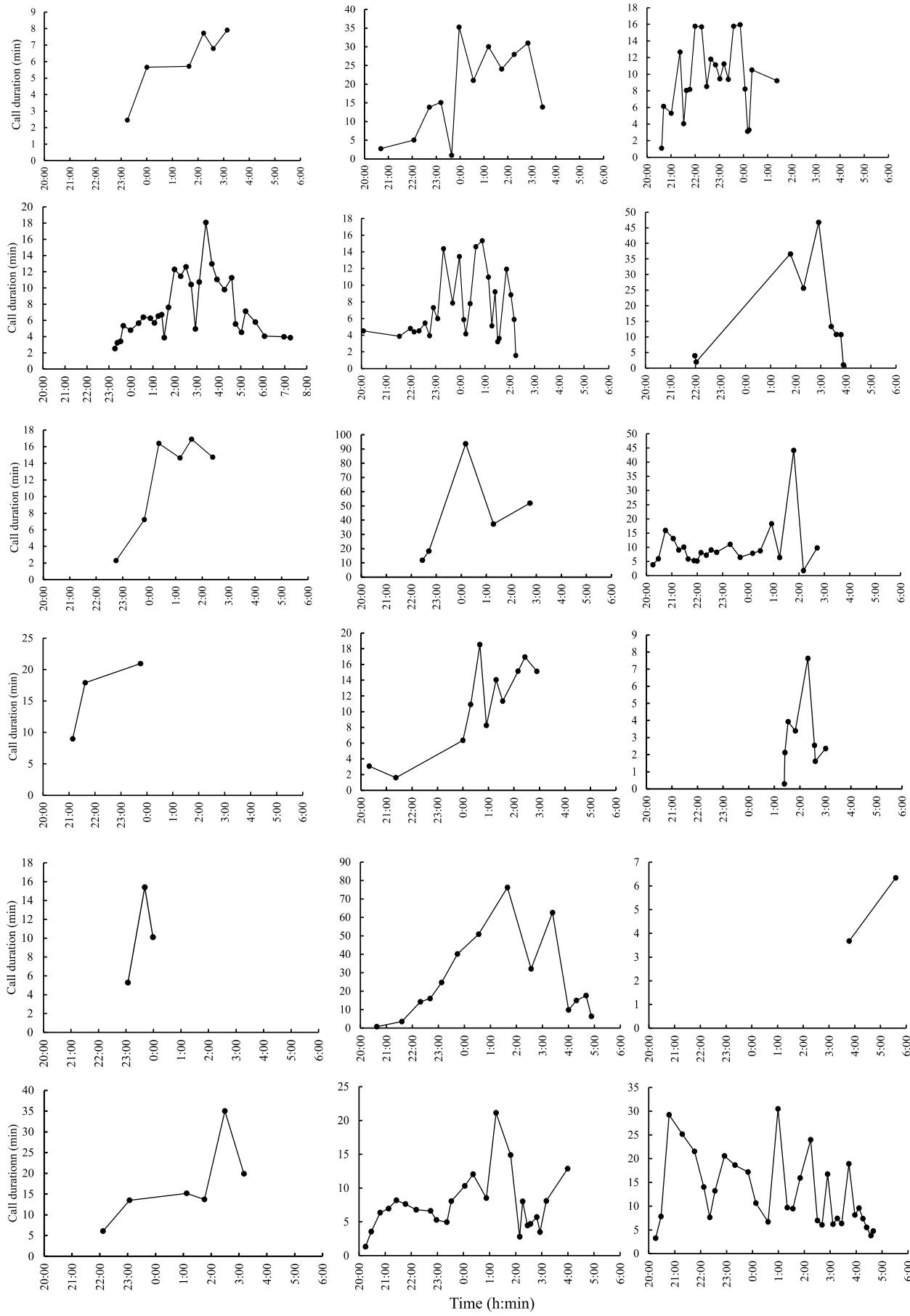


Fig. S2. Fourier amplitude plotted as a function of harmonic number for a single representative 1 minute call segment. For this specific advertisement call, an exponential decay function of the form $y = a * e^{-bx}$ fit the data almost perfectly, $R^2 \approx 1$, where $a = 5.97$ and $b = 0.59$. b represents the harmonic decay rate.



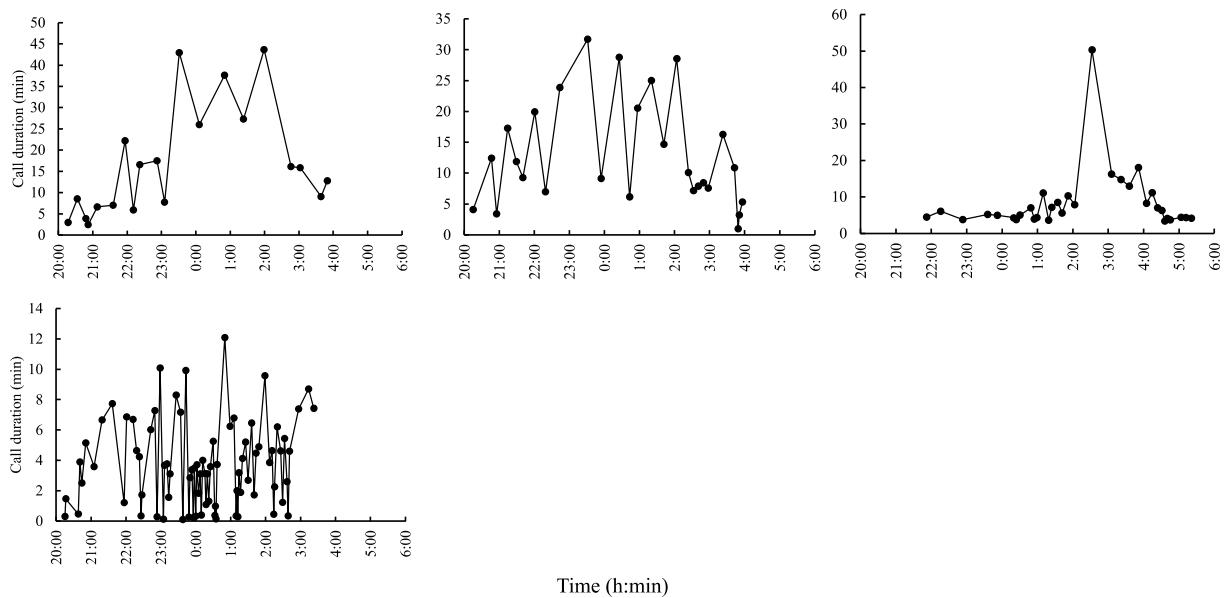


Fig. S3. Call duration versus time for all 22 individuals.