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Frequency (Hz)

**S11 Fig. Distribution analysis for data coming from the peripheral accelerometer.****a** - Fundamental frequency distribution; **b** – The averaged spectrum of whooping signals with a specific amplitude displayed in descending order from highest (12 a.u.) to lowest (0 a.u.) amplitude Colour codes the measured amplitude in arbitrary units; **c** – Temporal histograms of whooping signals of a specific amplitude. Colour codes the likelihood of occurrences; **d** -Daily histogram of whooping signal fundamental frequencies.