**Supplementary material:**

**Preliminary evidence for one-trial social learning of vervet monkey alarm calling**

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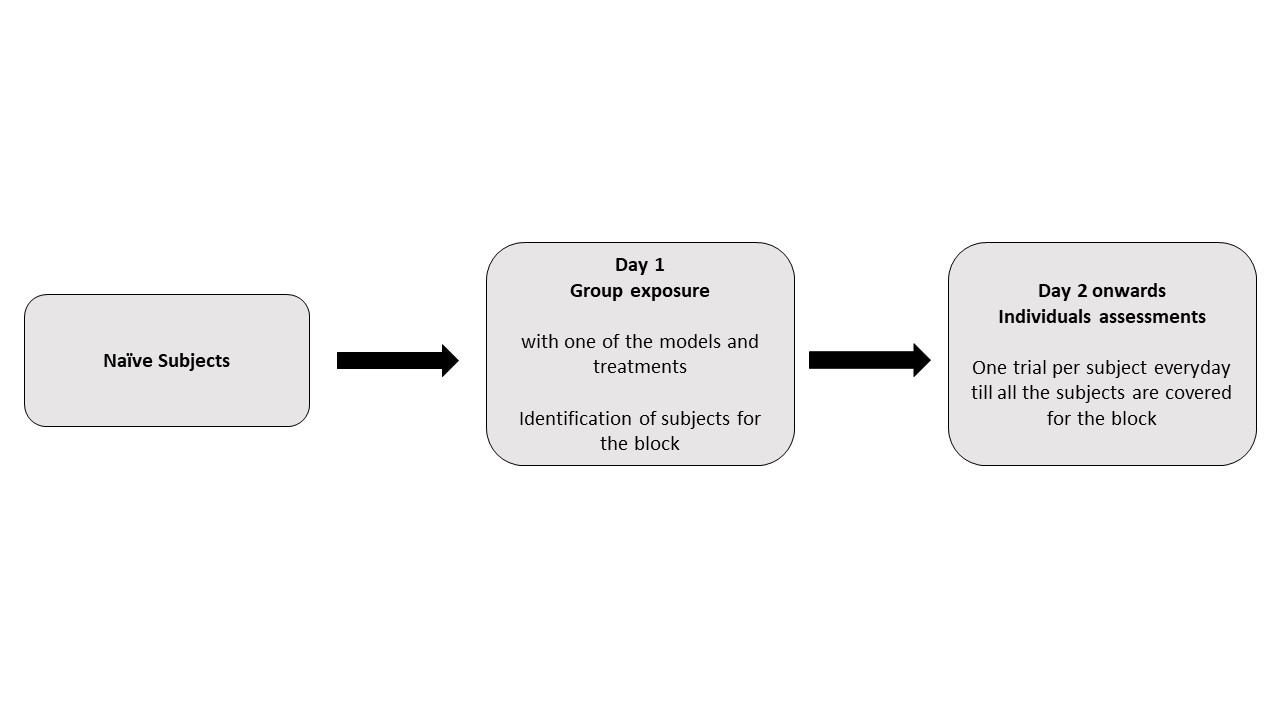


Figure S1: Design and timeline of the experimental blocks

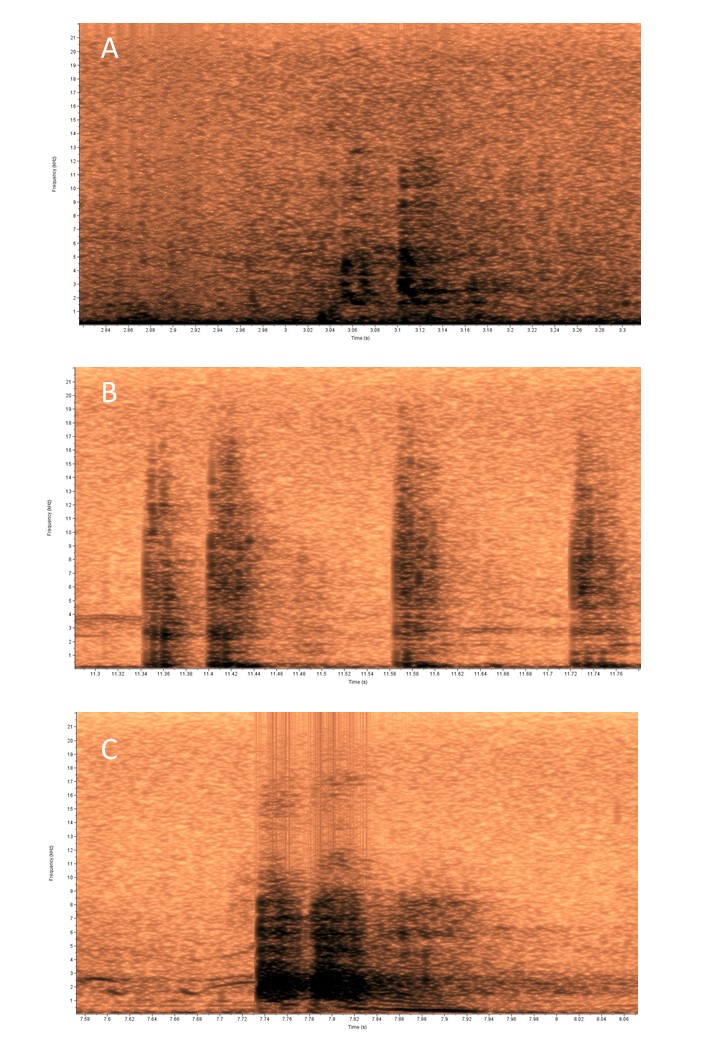


Figure S2: Spectrograms (Hamming window at 1024 DFT and 93.8% overlap) of different types of alarm calls elicited by the subjects (A) Eagle alarms (B) Snake alarms (C) Leopard alarms as described in the previous studies.

Chart, box and whisker chart

Description automatically generated

Figure S3: Mean (± SE) predator inspection of the subjects for the Grunt playback and leopard alarm playback (Alarm) treatment.

Figure S4: Mean (± SE) of snake alarms for the juvenile subjects exposed to caterpillar model

Chart, box and whisker chart

Description automatically generated

Table S1: List of acoustic parameters extracted from the alarm calls. Shaded parameters were used for the LDA classification

|  |  |  |  |
| --- | --- | --- | --- |
| **Acoustic parameter (unit)** | **Group Means from LDA Model (Scaled Data)** | | |
| Eagle | Leopard |  |
| Number of elements | -0.0350025 | -0.3522358 |  |
| Low Frequency (Hz) | 0.0736336 | -0.3854407 |  |
| High Frequency (Hz) | NA | NA |  |
| Delta Time (s) | -0.0970311 | 1.89210804 |  |
| Peak Frequency (Hz) | NA | NA |  |
| 1st Quartile Frequency (Hz) | -0.908022 | -0.755146 |  |
| 3rd Quartile Frequency (Hz) | -1.298510 | -1.112019 |  |
| Delta Frequency (Hz) | -0.4686237 | 0.1796256 |  |
| Average Entropy (bits) | -1.5461260 | -1.2993005 |  |
| Center Frequency (Hz) | -1.130832 | -0.958378 |  |
| Max Entropy (bits) | -1.458680 | -1.389708 |  |
| Average Power (dB) | -0.187820 | 1.892933 |  |
| Average Amplitude (U) | -0.07130897 | 0.34673157 |  |
| Max Amplitude (U) | NA | NA |  |
| Min Amplitude (U) | 0.3045821 | -1.5637610 |  |
| Min Entropy (bits) | -0.9943584 | -1.1550906 |  |
| Energy (dB) | NA | NA |  |
| Peak Amplitude (U) | NA | NA |  |
| Peak Power (dB) | NA | NA |  |
| Max Frequency (Hz) | -0.7533995 | -0.6241039 |  |
| Max Power (dB) | NA | NA |  |
| Peak Frequency Contour Max Frequency (Hz) | -1.0853231 | -0.8660863 |  |
| Peak Frequency Contour Average Slope (Hz/ms) | -0.038994987 | -0.008381332 |  |