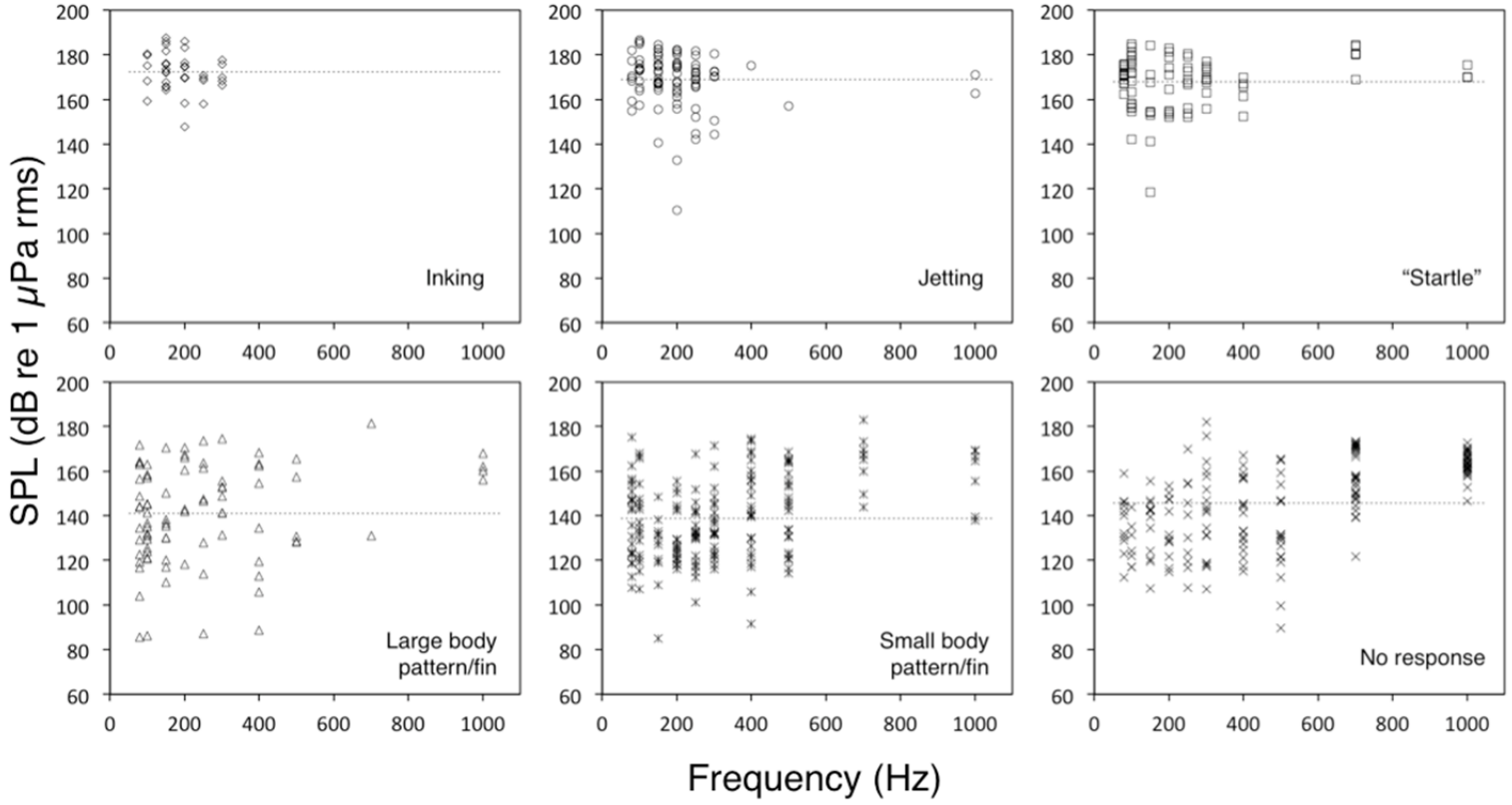
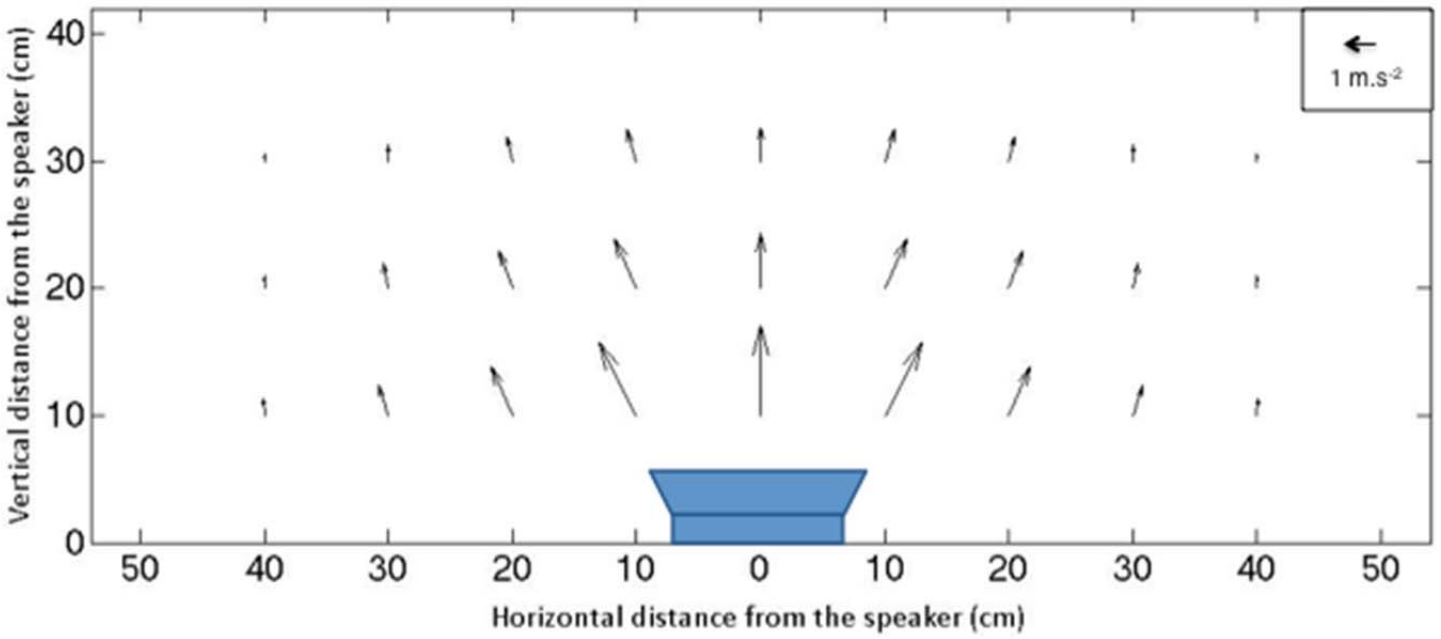
SUPPLEMENTARY MATERIAL

Supplementary material 1. Received sound pressure levels and the behavioral responses they elicited. Only the highest scoring behaviors for each sound test are represented here (i.e. not all occurrences of each response types are shown). Large body pattern/fin: large body pattern change and/or fast fin movements, Small body pattern/fin: small body pattern change and/or slow fin movements. The dashed lines represent the mean SPL value for that response.



Supplementary material 2. Vector field of the particle acceleration at 150 Hz for a calibrated sound level of 165 dB. The speaker is represented in blue, at the (0, 0) position in the tank. This figure illustrates the importance of taking the distance of an animal to the speaker into account, since the sound field is very variable depending on the location in the tank. Vectors are to scale, the 1 $m.s^{-2}$ scale is noted on the figure.



Supplementary material 3. Power spectra. A: power spectrum from a 300 Hz sound at a calibrated sound level of 150 dB (received level), as recorded by a calibrated hydrophone placed 12.5 cm above the speaker. B: power spectrum from the ambient noise recorded by the same hydrophone at the same position.