

Supplementary Materials

S1 Sampling duration pilot study

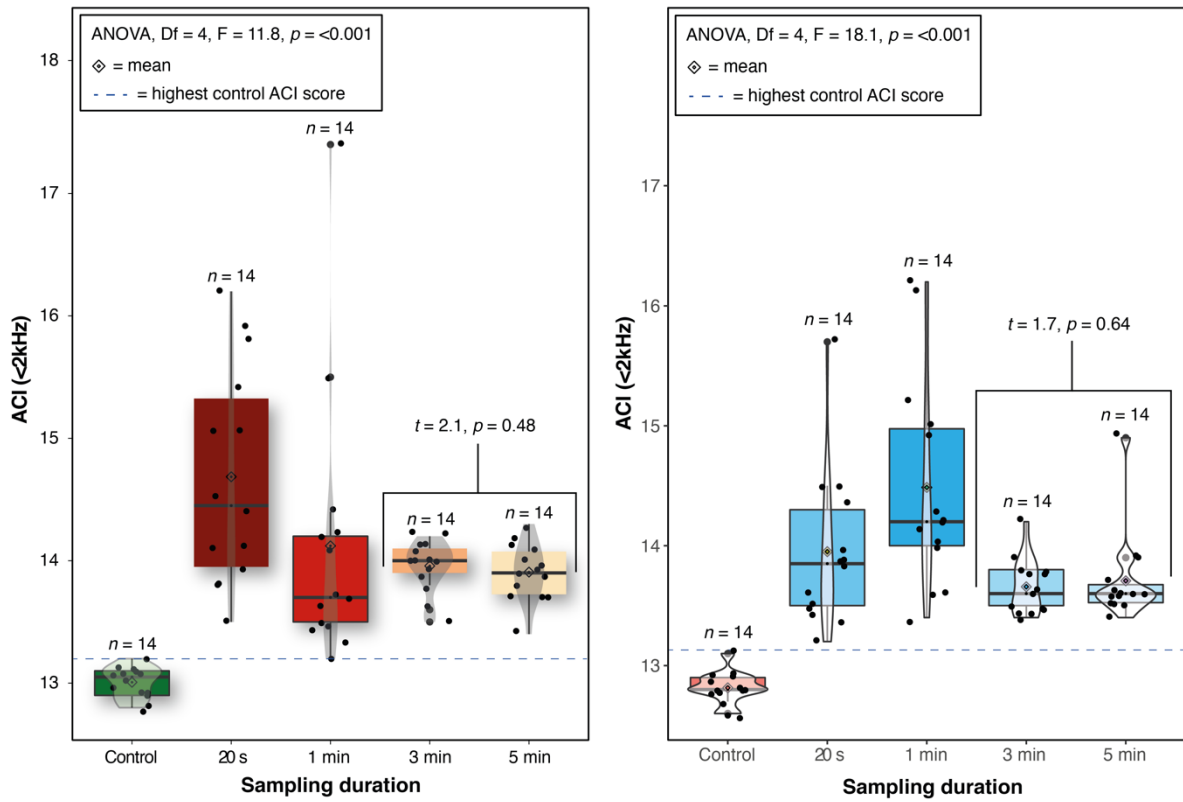


Fig. S1. Results of the Acoustic Complexity Index saturation test. Variability was high during the 20 s and 1 min sampling durations and plateaued at 3 mins.

S2 Sound attenuation chamber tests

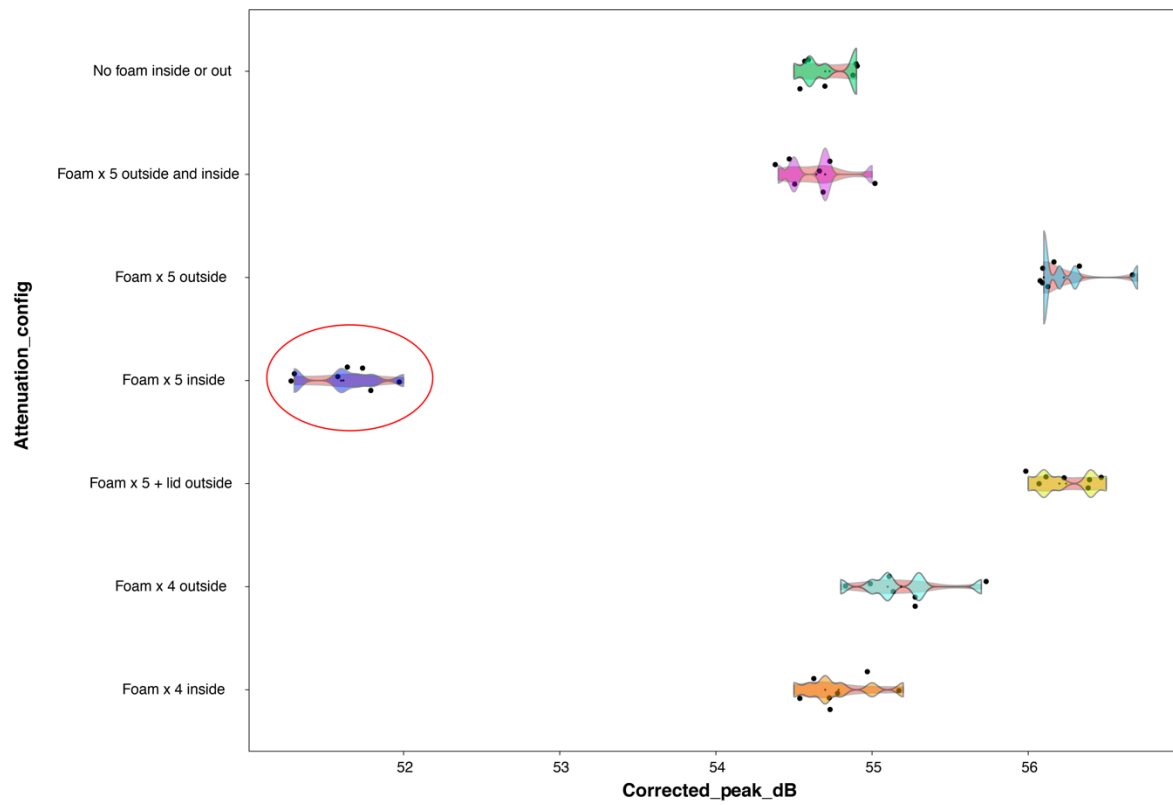


Figure S2. Boxplots showing sound attenuation tests, indicating the optimal performance of five foam inserts (in red circle).

Table S1. Sampling dates and weather conditions.

Visit (date)	Ambient conditions
1 (21 st -23 rd June 2022)	\bar{x} temperature: 23°C; Dry; Wind: Beaufort scale 1; \bar{x} relative humidity: 47.8%
2 (26 th -27 th July 2022)	\bar{x} temperature: 21°C; Dry; Wind: Beaufort scale 1; \bar{x} relative humidity: 67.3%
3 (11 th August 2022)	\bar{x} temperature: 26°C, Dry; Wind: Beaufort scale 1; \bar{x} relative humidity: 54.6%
