

Predator sound playbacks reveal strong avoidance responses in a fight strategist baleen whale

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Table S1. Results of the ANOVA (sequential Wald test) for the best fitting model to each of the behavioral response variables showing the contribution of each factor to the final fitted GEE model. For all responses variables except the Movement reaction score, the full model included the three factors Signal, Order and Period. The full model for Movement reaction score did not include the factor Period.

Movement reaction score = horizontal movement reaction score; Proportion of fluke-ups = proportion of visual observations with fluke-ups.

*p<0.05, **p<0.01, ***p<0.001

Behavioural variable	Factor	χ^2	p
Movement reaction score	Signal	9.76	0.0018 **
Horizontal speed	Signal	5.71	0.0169 *
	Order	10.18	0.0014 *
	Signal:Order	4.46	0.0346 *
Duration of shallow dives	Signal	10.8	0.001 ***
Max. depth of shallow dives	Signal	8.97	0.0027 **
Duration of deep dives	Signal	8.54	0.0035 **
	Period	7.08	0.0078 **
	Signal:Period	4.12	0.0423 *
Max. depth of deep dives	Signal	0.001	0.985
	Period	1.09	0.296
	Signal:Period	4.02	0.045 *
No. of lunges	Signal	21.1	4.4×10^{-6} ***
Proportion of fluke-ups	Signal	58.9	1.7×10^{-14} ***

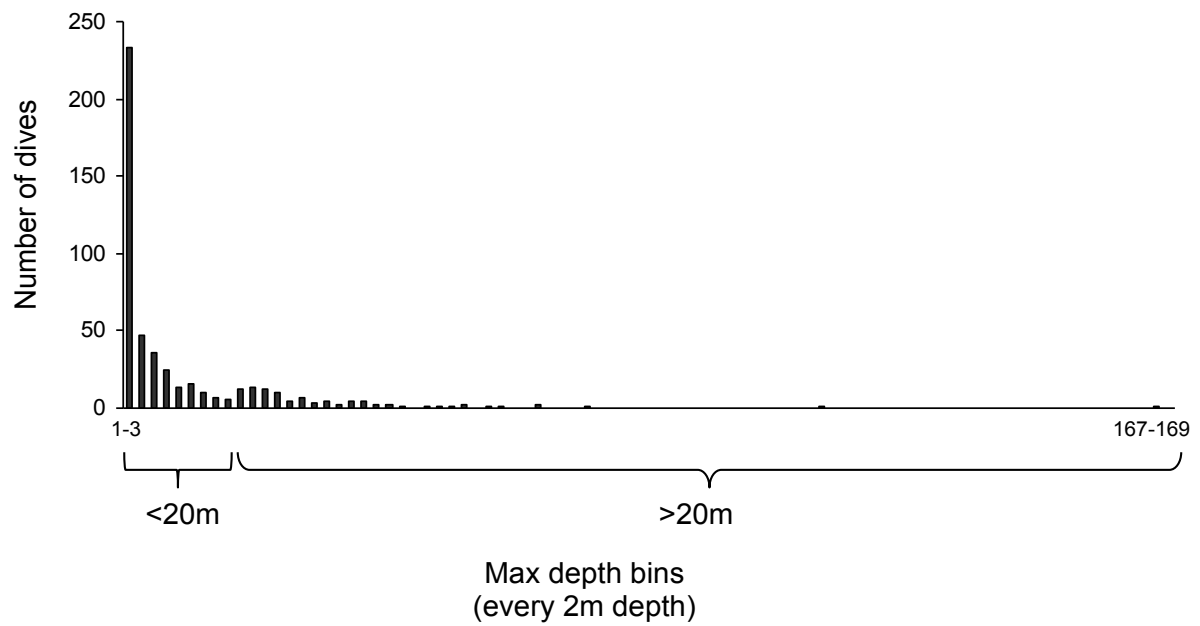


Fig. S1. Frequency distribution of maximum dive depth (2 m bins) for all experimental phases combined (PRE, DUR, POST) (n = 721 dives). A dive was defined as having a minimum depth of 1 m. Therefore, the first 2 m bin includes dives with maximum depth ranging from 1 to 3 m, the second bin comprises dives with maximum depth of 3–5 m and so on.

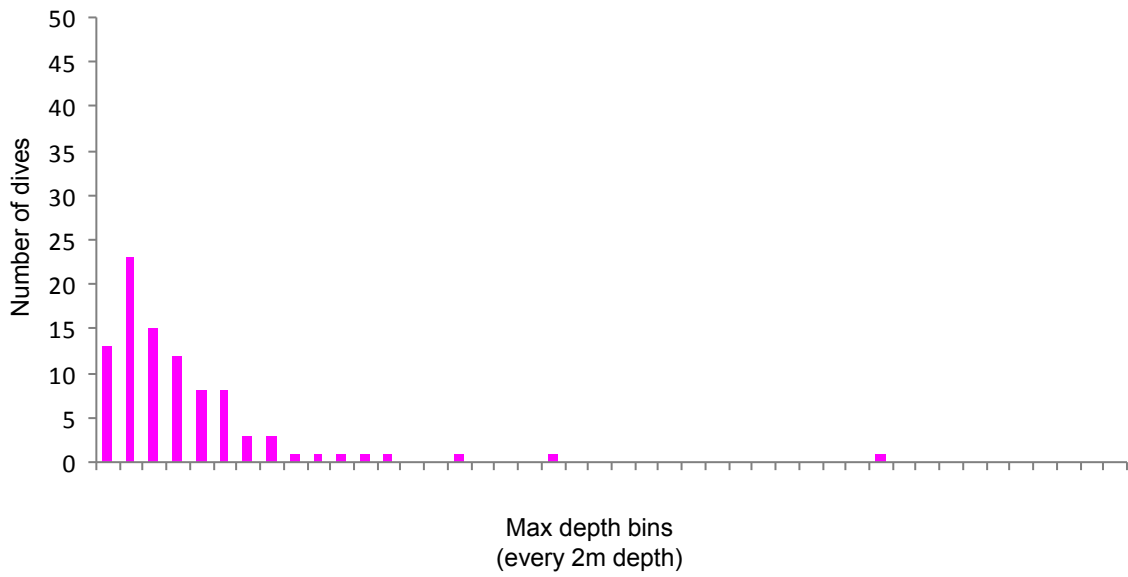
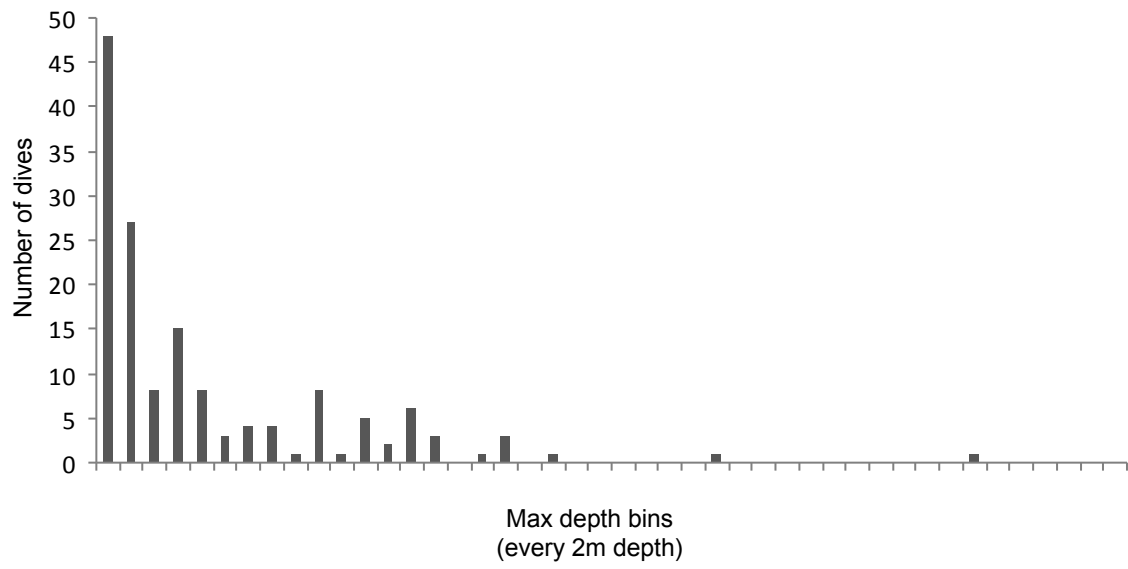
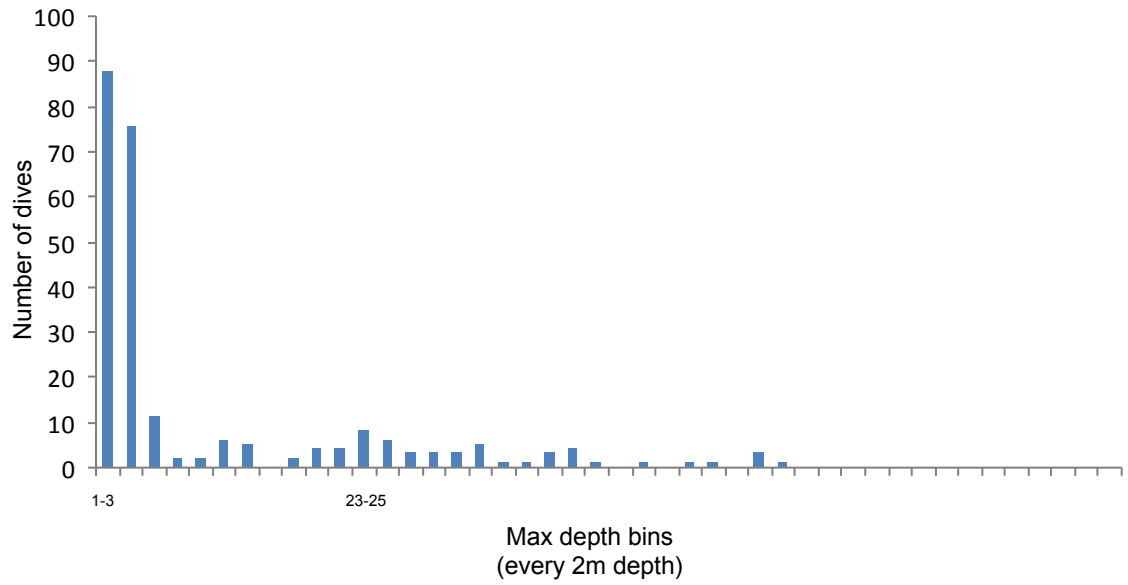


Fig. S2. Frequency distribution of maximum dive depth (every 2 m bin) for PRE exposure phases (PRE_KW and PRE_CTRL combined) (blue, n = 232 dives), DUR_CTRL phase (dark grey, n = 149 dives) and DUR_KW phase (magenta, n = 98 dives).