Production of chirp trains by Indo-Pacific humpback dolphins (*Sousa chinensis*) in the northern South China Sea

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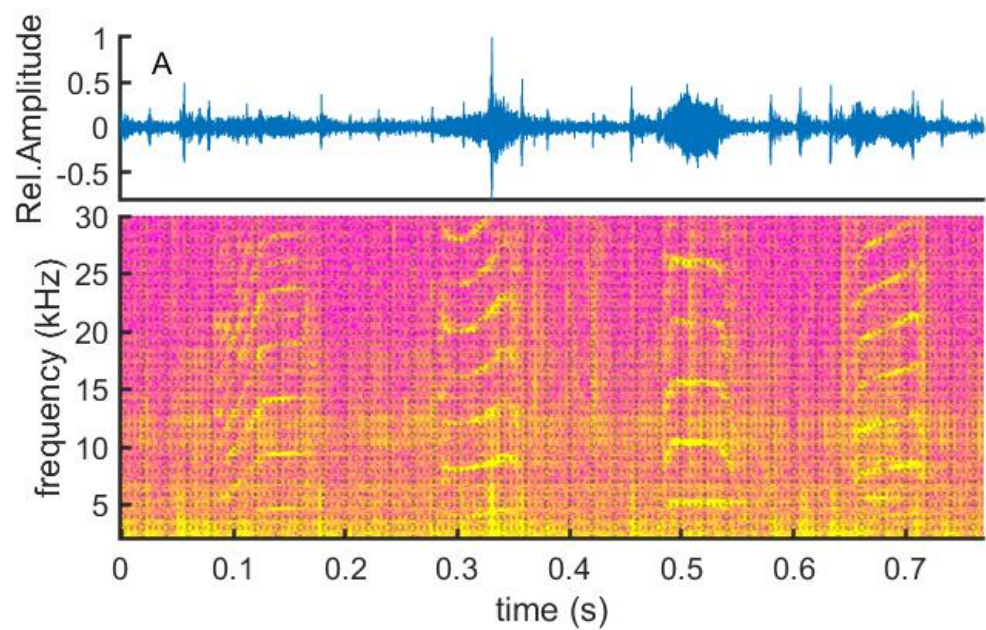
Figure S1: Example of a chirp train including two upsweep chirps followed by one convex chirp and one upsweep chirp (fast Fourier transform (FFT) size of 2048, Hann window with 75% overlap, frequency range of 0 – 30 kHz)

Table S1: Post hoc results for location of the selected generalized linear model with chirp train occurrence as the response variable.

location	Chi-square	Df	*p*

PRD -ZJ	6.1857	1	0.01287*
PRD-SNB	0.9262	1	0.3358
ZJ-SNB	0.9213	1	0.3371

<div align="center">***: $p < 0.001$; **: $p < 0.01$; *: $p < 0.05$; ·: $p < 0.1$</div>

Table S2: Post hoc results for location of the selected generalized linear model with number of chirp trains as the response variable.

location	Chi-square	Df	p
PRD -ZJ	4.1054	1	0.0451*
PRD-SNB	1.8609	1	0.1725
ZJ-SNB	0.7371	1	0.3906

<div align="center">***: $p < 0.001$; **: $p < 0.01$; *: $p < 0.05$; ·: $p < 0.1$</div>

Table S3: Post hoc results for habitat of the selected generalized linear model with chirp train occurrence as the response variable.

habitat	Chi-square	Df	p
BC-NS	1.8681	1	0.1717
BC-OW	6.7222	1	0.0095**
OW-NS	0.2996	1	0.5841

<div align="center">***: $p < 0.001$; **: $p < 0.01$; *: $p < 0.05$; ·: $p < 0.1$</div>

Table S4: Post hoc results for habitat of the selected generalized linear model with number of chirp trains as the response variable.

habitat	Chi-square	Df	p
BC-NS	2.1393	1	0.1436
BC-OW	4.0888	1	0.0432*
OW-NS	1.7240	1	0.1892

<div align="center">***: $p < 0.001$; **: $p < 0.01$; *: $p < 0.05$; ·: $p < 0.1$</div>

Table S5: Post hoc results for behavior of the selected generalized linear model with chirp train occurrence as the response variable.

behabior	Chi-square	Df	p
F-M	1.3484	1	0.2456
F-R	1.1602	1	0.2814
F-S	4.9569	1	0.0260*
F-T	0.2180	1	0.6405
M-R	0.0550	1	0.8146
M-S	12.2749	1	0.0004***
M-T	0.25101	1	0.6164
R-S	0.0000	1	1.0000
R-T	0.92629	1	0.3358

S-T	7.0607	1	0.0079**

Table S6: Post hoc results for behavior of the selected generalized linear model with number of chirp trains as the response variable.

.behabior	Chi-square	Df	p
F-M	0.0335	1	0.8549
F-R	0.9876	1	0.3203
F-S	12.5832	1	0.0004***
F-T	0.6240	1	0.4295
M-R	1.9400	1	0.1637
M-S	4.8192	1	0.0281*
M-T	0.2436	1	0.6216
R-S	0.0000	1	1.0000
R-T	0.3966	1	0.5289
S-T	19.7560	1	0.000009***

Table S7: Statistical outcomes of the selected generalized linear model with chirp train occurrence as the response variable.

LR	Chi-square	Df	p
Location	6.4414	2	0.0399*
Group size	14.2324	1	0.0002***
Young	2.9518	1	0.0858·
Behavior	8.5302	4	0.0740·
Habitat	8.7981	2	0.0123*

Table S8: Statistical outcomes of the selected generalized linear model with number of chirp trains as the response variable.

LR	Chi-square	Df	p
Location	5.6433	2	0.0595·
Group size	0.3901	1	0.5323
Young	0.4627	1	0.4964
Behavior	18.8144	4	0.0008***
Habitat	5.6828	2	0.0583·
Vessel count	2.6634	1	0.1027