

Appendix 1. Parameter estimates from selected models explaining variation in the detection/non-detection of species calls from experimental playback trials.

Call	Intercept		Dist [†]		Dist [‡]		Mic [‡]		42 dB [§]		50 dB		Dist: Mic		Dist [‡] : Mic		Dist: 42 dB		Dist [‡] : 42 dB		Dist: 50dB		Dist [‡] : 50 dB		
	β	SE	β	SE	β	SE	β	SE	β	SE	β	SE	β	SE	β	SE	β	SE	β	SE	β	SE	β	SE	
AMBI	1.7	0.1	-32.5	3.2	2.7	2.8	0.2	0.0	-1.0	0.1	-1.3	0.1	2.0	0.8	0.1	0.8									
BAWW	-0.1	0.2	-69.7	6.9	3.1	8.5	0.1	0.0	-3.2	0.7	-5.6	1.7					-37.5	28.6	-13.9	16.2	-15.6	58.2	45.2	25.5	
Grunt	1.4	0.1	-17.5	4.4	-2.3	3.6	0.1	0.0	-1.3	0.2	-2.4	0.2					-26.4	6.2	8.1	5.9	-39.7	8.3	-4.3	6.4	
LCSP	-0.7	0.2	-71.2	7.4	-4.5	8.0	0.1	0.0	-3.2	1.0	-7.3	5.9					-55.0	37.4	-9.6	19.2	-102.8	207.6	12.6	73.5	
NESP	1.2	0.2	-25.5	6.4	2.1	4.9	0.1	0.0	-2.4	0.3	-7.3	1.8	1.7	0.8	-0.2	0.8	-42.9	11.2	-7.5	8.6	-167.5	68.8	-38.7	28.7	
OVEN	1.8	0.1	-37.1	2.5	7.1	2.1	0.0	0.0	-1.6	0.1	-2.4	0.2													
Perweep	1.9	0.1	-40.3	2.6	4.6	2.1	0.1	0.0	-1.7	0.2	-2.6	0.2													
PBGR	1.0	0.1	-25.4	1.8	5.1	1.7	0.1	0.0	-0.5	0.1	-1.2	0.1													
SEWR	0.5	0.1	-42.6	4.9	6.2	4.8	0.1	0.0	-3.1	0.5	-8.6	4.3					-52.3	21.3	-13.8	12.4	-174.2	153.0	-26.8	56.5	
Tickit	2.1	0.1	-36.4	2.7	6.9	2.5	0.0	0.0	-2.1	0.2	-2.7	0.2	0.9	0.5	0.8	0.7									
Whinny	1.4	0.2	-19.2	6.2	2.3	4.6	0.0	0.0	-1.3	0.2	-2.0	0.2					-8.8	6.9	3.8	5.6	-20.0	7.5	-3.7	5.9	
YERA	0.8	0.1	-30.0	4.5	2.3	4.1	0.1	0.0	-1.9	0.2	-6.1	1.8	2.0	1.0	0.7	0.8	-18.3	7.5	3.9	6.4	-121.6	66.2	-17.2	27.7	

[†] Distance (m) between call broadcast and microphone

[‡] Microphone sensitivity loss (dB) relative to manufacture specifications

[§] 42 dB of experimentally added noise reaching the microphone

[|] 50 dB of experimentally added noise reaching the microphone