

(A)

Species	Fixed factor	Estimate	SE	z	χ^2	P (χ^2)
Hourglass treefrog	Intercept	-2.747	17.023	-0.161		
	F0 ratio	2.794	1.063	2.629	7.562	0.006
	HNR ratio	-1.800	1.629	-1.105	1.224	0.269
	SCG ratio	0.534	16.019	0.033	0.001	0.974
	Duration ratio	-0.018	0.251	-0.070	0.005	0.944
American alligator	Intercept	-0.927	1.193	-0.777		
	F0 ratio	2.094	0.581	3.603	14.109	< .001
	HNR ratio	-0.865	0.604	-1.431	2.129	0.144
	SCG ratio	0.379	0.198	1.911	3.601	0.058
	Duration ratio	0.116	0.506	0.228	0.052	0.819
Black-capped chickadee	Intercept	3.984	1.273	3.130		
	F0 ratio	0.147	0.107	1.379	1.931	0.165
	HNR ratio	-0.915	0.450	-2.035	4.144	0.042
	SCG ratio	-1.327	1.631	-0.814	0.664	0.415
	Duration ratio	0.185	0.268	0.691	0.487	0.485
Common raven	Intercept	-6.734	0.848	-7.938		
	F0 ratio	2.137	0.519	4.120	17.551	< .001
	HNR ratio	-0.357	0.166	-2.154	4.572	0.033
	SCG ratio	6.003	1.306	4.595	24.209	< .001
	Duration ratio	-0.035	0.717	-0.048	0.002	0.962
African bush elephant	Intercept	-3.196	0.823	-3.882		
	F0 ratio	-0.564	0.561	-1.006	1.015	0.314
	HNR ratio	3.426	0.910	3.766	17.842	< .001
	SCG ratio	2.443	0.491	4.980	25.811	< .001
	Duration ratio	0.566	0.163	3.468	14.400	< .001
Giant panda	Intercept	1.024	0.703	1.456		
	F0 ratio	0.369	0.125	2.944	9.407	0.002
	HNR ratio	-0.015	0.006	-2.334	5.595	0.018
	SCG ratio	0.261	0.133	1.956	4.154	0.042
	Duration ratio	0.278	0.150	1.860	4.044	0.044
Domestic pig	Intercept	0.174	0.710	0.246		
	F0 ratio	0.772	0.387	1.995	4.053	0.044
	HNR ratio	-0.039	0.006	-6.100	38.540	< .001
	SCG ratio	-2.703	0.518	-5.218	29.975	< .001
	Duration ratio	2.255	0.301	7.479	67.002	< .001
Barbary macaque	Intercept	0.923	0.850	1.087		
	F0 ratio	0.492	0.283	1.739	3.034	0.082
	HNR ratio	0.789	0.150	5.246	30.859	< .001
	SCG ratio	-1.441	0.669	-2.153	4.643	0.031
	Duration ratio	-0.140	0.047	-3.000	9.690	0.002
Human	Intercept	3.564	2.217	1.607		
	F0 ratio	0.312	0.411	0.759	0.252	0.615
	HNR ratio	-0.266	1.292	-0.206	0.000	1.000
	SCG ratio	0.056	0.187	0.300	0.000	1.000
	Duration ratio	1.677	2.159	0.777	0.280	0.597

(B)

Species	Model	df	AICc	Δ AICc	Akaike weight
Hourglass treefrog	excluding duration	5	430.085	0.000	0.502
	excluding HNR	5	431.302	1.218	0.273
	full model	6	432.112	2.028	0.182
	excluding SCG	4	435.612	5.528	0.032
	excluding F0	5	437.635	7.550	0.012
American alligator	full model	6	684.539	0.000	0.733
	excluding F0	5	686.555	2.016	0.267
	excluding HNR	5	721.040	36.501	0.000
	excluding duration	5	749.500	64.961	0.000
	excluding SCG	4	823.170	138.631	0.000
Black-capped chickadee	excluding duration	5	535.132	0.000	0.439
	excluding F0	5	536.575	1.443	0.213
	full model	6	536.678	1.546	0.203
	excluding SCG	4	538.674	3.543	0.075
	excluding HNR	5	538.787	3.655	0.071
Common raven	excluding duration	5	746.980	0.000	0.683
	full model	6	749.014	2.034	0.247
	excluding HNR	5	751.549	4.569	0.070
	excluding F0	5	764.527	17.547	0.000
	excluding SCG	4	822.438	75.458	0.000
African bush elephant	excluding F0	5	412.369	0.000	0.625
	full model	6	413.395	1.025	0.374
	excluding duration	5	425.754	13.385	0.001
	excluding HNR	5	429.198	16.829	0.000
	excluding SCG	4	528.947	116.578	0.000
Giant panda	full model	6	306.451	0.000	0.615
	excluding duration	5	308.463	2.011	0.225
	excluding HNR	5	310.014	3.563	0.104
	excluding SCG	4	311.850	5.399	0.041
	excluding F0	5	313.826	7.374	0.015
Domestic pig	full model	6	684.539	0.000	0.733
	excluding F0	5	686.555	2.016	0.267
	excluding HNR	5	721.040	36.501	0.000
	excluding duration	5	749.500	64.961	0.000
	excluding SCG	4	823.170	138.631	0.000
Barbary macaque	full model	6	811.397	0.000	0.613
	excluding F0	5	812.385	0.987	0.374
	excluding duration	5	819.014	7.617	0.014
	excluding HNR	5	840.128	28.731	0.000
	excluding SCG	4	961.405	150.008	0.000
Human	excluding SCG	4	225.246	0.000	0.412
	excluding HNR	5	226.655	1.409	0.204
	excluding F0	5	227.200	1.954	0.155
	excluding duration	5	227.228	1.982	0.153
	full model	6	228.645	3.399	0.075