

Table S.1. Descriptive statistics for the 23 vocal parameters of high (HF, $n=952$) and low (LF, $n=192$) frequency calls during isolation

Vocal parameter	High Frequency Calls (HFCs)					Low Frequency Calls (LFCs)				
	Mean $\pm$ SEM	StDev	CoefVar	Min.	Max.	Mean $\pm$ SEM	StDev	CoefVar	Min.	Max.
<i>F0</i> Mean (Hz)	200.78 $\pm$ 1.16	35.78	17.82	94.41	278.94	84.891 $\pm$ 0.631	8.739	10.29	68.497	104.511
<i>F0</i> Max (Hz)	252.80 $\pm$ 1.16	35.69	14.12	104.57	299.47	97.099 $\pm$ 0.993	13.756	14.17	72.861	119.715
<i>F0</i> Min (Hz)	112.73 $\pm$ 1.48	45.80	40.63	60.98	265.16	69.261 $\pm$ 0.442	6.131	8.85	60.570	95.114
<i>F0</i> Range (Hz)	140.07 $\pm$ 1.64	50.68	36.18	8.31	232.67	27.84 $\pm$ 1.02	14.17	50.91	2.81	57.35
<i>Q25</i> (Hz)	256.81 $\pm$ 2.08	64.14	24.98	97.47	524.30	142.24 $\pm$ 3.21	44.47	31.26	40.19	292.24
<i>Q50</i> (Hz)	412.80 $\pm$ 3.85	118.80	28.78	140.52	991.45	281.50 $\pm$ 8.29	114.90	40.82	99.30	860.98
<i>Q75</i> (Hz)	782.91 $\pm$ 9.97	307.57	39.29	228.48	2064.45	672.0 $\pm$ 34.9	484.0	72.03	155.3	4000.9
<i>Fpeak</i> (Hz)	182.15 $\pm$ 2.12	65.31	35.86	21.59	351.28	102.56 $\pm$ 2.04	28.28	27.57	24.85	228.29
Sound Duration (s)	1.6795 $\pm$ 0.0155	0.4770	28.40	0.6120	9.5810	1.4724 $\pm$ 0.0303	0.4194	28.48	0.6510	2.9220
AMVar (dB/s)	45.582 $\pm$ 0.566	17.458	38.30	6.371	99.669	35.552 $\pm$ 0.929	12.874	36.21	9.974	82.557
AMRate (s^{-1})	10.740 $\pm$ 0.0521	1.608	14.97	4.900	15.769	8.945 $\pm$ 0.147	2.039	22.80	3.362	14.812
AMExtent (dB)	4.3948 $\pm$ 0.0610	1.8827	42.84	0.5130	12.8860	4.110 $\pm$ 0.115	1.591	38.72	1.308	9.906
Harmonicity (dB)	8.209 $\pm$ 0.125	3.854	46.95	-0.140	22.010	9.992 $\pm$ 0.259	3.588	35.91	0.360	18.760
<i>F1</i> Mean (Hz)	297.55 $\pm$ 1.27	39.08	13.13	220.09	466.54	299.89 $\pm$ 3.16	43.76	14.59	175.76	461.67
<i>F2</i> Mean (Hz)	594.52 $\pm$ 1.77	54.77	9.21	407.64	732.45	682.04 $\pm$ 5.55	76.91	11.28	533.58	889.76
<i>F3</i> Mean (Hz)	931.60 $\pm$ 2.37	73.08	7.84	721.65	1150.64	1139.0 $\pm$ 4.44	61.5	5.40	969.7	1298.1
<i>F4</i> Mean (Hz)	1312.0 $\pm$ 2.11	65.2	4.97	1150.7	1474.3	1555.5 $\pm$ 3.78	52.3	3.36	1323.3	1688.6
<i>F5</i> Mean (Hz)	1692.3 $\pm$ 2.02	62.2	3.68	1515.0	1858.5	1973.1 $\pm$ 5.88	81.5	4.13	1731.7	2225.3
<i>F6</i> Mean (Hz)	2096.5 $\pm$ 1.73	53.3	2.54	1920.2	2236.4	2515.6 $\pm$ 5.30	73.5	2.92	2248.1	2661.5
<i>F7</i> Mean (Hz)	2503.0 $\pm$ 1.85	57.2	2.29	2288.8	2676.1	2957.5 $\pm$ 5.29	73.3	2.48	2708.1	3182.1
<i>F8</i> Mean (Hz)	2870.6 $\pm$ 1.77	54.5	1.90	2676.6	2999.6	3315.1 $\pm$ 6.96	96.4	2.91	2890.2	3532.0
Formant Dispersal (Hz)	367.57 $\pm$ 0.328	10.12	2.75	331.62	390.29	430.75 $\pm$ 1.14	15.86	3.68	349.94	457.83
Wiener Entropy	-1.2438 $\pm$ 0.0169	0.5209	-41.88	-2.7470	0.1670	-0.8609 $\pm$ 0.0348	0.4824	-56.03	-2.7440	0.3270