

Table S1. Summary of call parameters for all bat species recorded in the Okavango River Basin, obtained from Analook W3.8. Whereas, (N) refers to the number of total calls used for these statistics and (n) to the number of individuals or recording sequences.

Species (Species code)		Dur	Fmax (kHz)	Fmin (kHz)	Fk (kHz)	Fc (kHz)	Slope (Sc)	N (n)
Family Emballonuridae:								
<i>Taphozous mauritanus (Tmaurit)</i>	Mean	3.06	28.71	23.88	26.96	24.96	79.41	7(41)
	SD	0.94	2.38	2.10	1.67	1.72	58.64	
Family Hipposideridae:								
<i>Macronycteris vitattus (Hvit)</i>	Mean	3.84	60.23	58.34	59.52	59.17	3.49	4(36)
	SD	1.36	6.07	6.08	6.12	6.21	9.39	
Family Rhinolophidae:								
<i>Rhinolophus fumigatus (Rfum)</i>	Mean	10.24	53.19	51.44	52.59	52.74	0.31	4(104)
	SD	5.89	0.60	1.67	0.78	0.66	5.49	
Family Miniopteridae:								
<i>Miniopterus cf. fraterculus (Mfrat)</i>	Mean	3.88	70.82	55.21	62.13	59.99	36.47	27 (297)
	SD	1.45	8.03	14.04	1.59	1.53	32.94	
<i>Miniopterus natalensis (Mnatal)</i>	Mean	3.92	58.77	55.48	57.07	55.90	13.28	10(88)
	SD	1.48	2.45	1.10	1.50	1.29	20.65	
Family Molossidae:								
<i>Chaerephon ansorgei (Cansor)</i>	Mean	5.99	19.68	18.35	19.49	19.19	6.26	12 (148)
	SD	3.52	0.53	3.33	0.45	0.26	9.90	

Species (Species code)		Dur	Fmax (kHz)	Fmin (kHz)	Fk (kHz)	Fc (kHz)	Slope (Sc)	N (n)
<i>Chaerephon nigeriae</i> (Cnig)	Mean	6.83	16.51	14.11	16.29	16.12	2.99	8(135)
	SD	4.45	0.57	4.77	0.54	0.43	9.56	
<i>Chaerephon pumilus</i> (Cpum)	Mean	8.54	29.69	22.96	25.46	23.65	35.10	11(117)
	SD	4.71	4.89	1.91	1.84	1.71	33.29	
<i>Mops condylurus</i> (Mcond)	Mean	7.09	30.74	27.88	30.12	29.00	11.60	5(81)
	SD	3.46	2.64	4.69	1.92	1.49	12.27	
<i>Mops midas</i> (Mmidas)	Mean	10.63	18.51	14.78	16.79	15.27	25.69	4(52)
	SD	5.28	5.52	4.17	4.44	3.89	20.05	
<i>Otomops martiensseni</i> (Omops)	Mean	12.99	13.16	9.75	12.61	11.77	16.52	9(51)
	SD	5.28	1.93	2.64	1.63	1.02	6.04	
<i>Tadarida aegyptiaca</i> (Taegypt)	Mean	6.07	21.69	19.83	21.25	20.65	8.58	16(202)
	SD	2.83	1.48	3.23	0.89	0.71	9.28	
Family Vespertilionidae:								
<i>Eptesicus hottentotus</i> (Ehott)	Mean	3.64	39.66	31.83	33.54	32.38	33.69	3(87)
	SD	1.91	9.59	2.30	1.37	1.14	35.48	
<i>Neoromicia anchietae</i> (Hanch)	Mean	4.66	60.37	52.48	57.93	56.67	13.75	18(197)
	SD	1.75	3.51	12.57	0.59	1.14	15.14	
<i>Kerivoula argentata</i> (Karg)	Mean	3.37	87.09	75.29	77.89	77.44	7.86	28(192)
	SD	1.01	10.39	9.80	6.38	6.73	28.41	

Species (Species code)		Dur	Fmax (kHz)	Fmin (kHz)	Fk (kHz)	Fc (kHz)	Slope (Sc)	N (n)
<i>Laephotis angolensis</i> (Lang)	Mean	2.77	74.79	42.51	47.75	43.72	165.40	9(127)
	SD	0.57	11.44	1.93	4.49	3.23	83.15	
<i>Myotis spp</i> (Myotis)	Mean	2.29	75.13	39.63	48.53	45.04	298.80	4(21)
	SD	0.34	17.92	8.39	10.87	10.19	106.43	
<i>Neoromica zuluensis</i> (Nzulu)	Mean	3.59	54.17	49.65	50.65	50.14	8.43	12(75)
	SD	1.28	3.34	0.96	1.4	0.88	16.98	
<i>Neoromicia capensis</i> (Ncap)	Mean	5.15	48.36	37.18	40.26	37.55	41.91	12(108)
	SD	2.13	7.29	1.79	2.23	1.93	24.41	
<i>Neoromicia nana</i> (Nnana)	Mean	2.66	77.85	67.79	69.93	68.54	22.23	17(335)
	SD	0.67	5.89	0.86	1.59	1.06	31.88	
<i>Nycticeinops schlieffeni</i> (Nschlieff)	Mean	4.42	45.39	39.87	42.20	41.84	6.66	25(350)
	SD	1.75	3.35	7.35	0.48	0.60	13.38	
<i>Pipistrellus cf hesperidus</i> (Phesp)12(Mean	4.03	51.75	40.87	45.43	44.56	16.72	16(401)
	SD	1.48	5.32	11.16	0.74	0.96	22.01	
<i>Pipistrellus rusticus</i> (Prust)	Mean	3.24	59.44	52.34	53.55	52.87	15.95	11(68)
	SD	1.27	5.07	0.99	1.63	1.03	30.29	
<i>Scotophilus dinganii</i> (Sding)	Mean	3.77	41.28	33.95	35.71	34.39	39.62	4(38)
	SD	1.67	5.17	1.18	1.49	1.46	32.49	

Species (Species code)		Dur	Fmax (kHz)	Fmin (kHz)	Fk (kHz)	Fc (kHz)	Slope (Sc)	N (n)
Unidentified species:								
<i>Unknown 38</i>	Mean	5.81	42.96	36.73	39.63	38.64	12.05	6(55)
	SD	2.25	4.32	3.61	1.16	1.29	21.81	
<i>Unknown 33</i>	Mean	5.01	36.26	32.12	34.41	33.08	24.48	13 (189)
	SD	2.11	2.55	3.22	1.79	1.28	26.04	
<i>Long44</i>	Mean	4.94	47.69	43.23	45.64	43.62	21.31	11(30)
	SD	1.98	2.37	1.21	1.44	1.31	15.26	
<i>Vesper75</i>	Mean	3.06	83.38	73.69	75.83	75.17	9.20	7(38)
	SD	0.98	6.53	1.63	2.02	1.81	31.13	
<i>Vesper66</i>	Mean	2.99	73.88	57.24	62.27	59.9	43.43	4(17)
	SD	1.13	10.92	11.56	1.32	1.36	31.84	