Audiogram of the Jamaican fruit bat (*Artibeus jamaicensis*)

Data from: Heffner, R.S., Koay, G., and Heffner, H.E.. (2003). Hearing in American leaf-nosed bats. III: *Artibeus jamaicensis. Hearing Research.*184, 113-122.

Absolute thresholds (in dB re 20 μN/m^2) for three Jamaican fruit bats (designated A, B and C)

Frequency (in kHz)	Individual Thresholds (in dB)			Average
	A	B	C	
1	88	—	—	
2	69.5	72	70.5	70.7
2.8	59	60	60.5	59.8
4	49	—	—	
5.6	38.5	41.5	38.5	39.5
8	29	—	—	
12	13	16	12	13.7
16	10.5	8.5	7	8.7
20	14.5	—	—	
32	15.5	15	13.5	14.7
40	21	21.5	23	21.8
45	17.5	—	—	
50	11	19.5	16.5	15.7
56	9.5	16	13.5	13
64	16.5	—	—	
71	24.5	—	—	
80	29.5	30.5	26	28.7
90	44	41.5	39.5	41.67
100	38.5	33.5	32.5	34.8
110	41.5	40	35.5	39
125	53.5	—	—	
140	72	70	65.5	69.2

Lowest and highest frequencies audible at sound pressure levels (SPL) ranging from 30 to 70 dB SPL

SPL (in dB)	Lowest audible frequency (in kHz)	Highest audible frequency (in kHz)
70	2	141
60	2.8	130
50	4	120
40	5.6	110
30	7.4	80

Additional Parameters:

Body weight = 41 g

Functional interaural distance= 89 μs

(Time required for sound to travel around the head from one auditory meatus to the other.)

Comments: Threshold values taken from original data

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