

SUPPLEMENTAL MATERIAL S2

Species richness patterns and functional traits of the bat fauna of arid southern Africa

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Functional traits of bats from the Israeli, North American and Australian arid regions

Table S2. Roosting sites, diet, foraging habitat, mean mass (g), wingloading (N/m²), aspect ratio and peak frequency of echolocation call (kHz) of bats from the Israeli, North American and Australian arid regions.

Species	Arid region	Roost site	Diet	Foraging guild	Mass	Wing loading	Aspect ratio	Peak frequency
<i>Pipistrellus kuhlii</i>	Negev (Israel)	Crevice	Insectivore	Edge	4.7	8.5	6.3	41.4
<i>Hypsugo bodenheimeri</i>		Crevice	Insectivore	Edge	2.6	3.8	6.9	44
<i>Tadarida teniotis</i>		Crevice	Insectivore	Open	30	19.2	9.8	13
<i>Eptesicus bottae</i>		Crevice	Insectivore	Edge	8.1	7	7	32.5
<i>Plecotus christii</i>		Cave	Insectivore	Clutter	10	7.9	6.1	32.6
<i>Rhinolophus clivosus</i>		Cave	Insectivore	Clutter	19	9.1	5.5	91.7
<i>Rhinolophus hipposideros</i>		Cave	Insectivore	Clutter	6.8	7.1	5.7	111.1
<i>Otonycteris hemprichi</i>		Crevice	Insectivore	Clutter	22.1	9	6.7	31
<i>Taphozous perforatus</i>		Cave	Insectivore	Open	18.8	13	7.5	29.2
<i>Rhinopoma microphyllum</i>		Cave	Insectivore	Open	32	20.5	8	28
<i>Asellia tridens</i>		Cave	Insectivore	Edge	12.7	9	7	113
<i>Pipistrellus rueppellii</i>		Crevice	Insectivore	Edge	6.8	6.8	6.3	37.3
<i>Macrotus californicus</i>		North America	Cave	Insectivore	Clutter	14.1	10.2	6.4
<i>Choeronycteris mexicana</i>	Cave		Nectivore		18.2	13.7	6.9	70
<i>Myotis velifer</i>	Cave		Insectivore		9.1	6.3	6.2	45
<i>Myotis occultus</i>	Crevice		Insectivore		8.7	7.3	6	35
<i>Myotis californicus</i>	Crevice		Insectivore	Edge	4.2	4.8	5.6	43
<i>Myotis melanorhinus</i>	Crevice		Insectivore		6.5	6.7	6.1	45
<i>Parastrellus hesperus</i>	Crevice		Insectivore	Edge	4.4	6.9	5.7	62
<i>Eptesicus fuscus</i>	Crevice		Insectivore	Edge	15.9	9.4	6.4	28
<i>Corynorhinus townsendii</i>	Cave		Insectivore		10.2	7.2	5.9	35
<i>Antrozous pallidus</i>	Cave		Insectivore	Clutter	17.3	8.1	6.1	30
<i>Tadarida brasiliensis</i>	Cave		Insectivore	Open	12.5	11.5	8.2	27
<i>Nyctinomops femorosaccus</i>	Crevice		Insectivore	Open	12.5	11.5	8.2	17
<i>Molossus molossus</i>	Crevice		Insectivore	Open	16.2	16	8.7	34.1
<i>Eumops perotis</i>	Crevice		Insectivore	Open	53.5	25.1	9.5	10
<i>Macroderma gigas</i>	Australia	Cave	Carnivore	Edge	123	16.8	6.1	20
<i>Nyctophilus geoffroyi</i>		Crevice	Insectivore	Clutter	6.6	5.9	5.6	45.8
<i>Tadarida australis</i>		Crevice	Insectivore	Open	34.7	15.5	8	11.1
<i>Chaerephon jobensis</i>		Crevice	Insectivore	Open	20.4	14.7	8	19.8
<i>Mormopterus planiceps</i>		Crevice	Insectivore	Open	9.2	11.9	7.2	27
<i>Taphozous hillii</i>		Cave	Insectivore	Open	24	12.7	8.7	24.1
<i>Saccolaimus flaviventris</i>		Crevice	Insectivore	Open	51.2	15.9	8.3	20.3
<i>Chalinolobus gouldii</i>		Crevice	Insectivore	Edge	12.2	8.2	6.5	30.5
<i>Chalinolobus morio</i>		Crevice	Insectivore	Edge	7.5	6.3	6.1	52.3
<i>Chalinolobus picatus</i>		Cave	Insectivore	Edge	6	7.1	6	43
<i>Vespadelus findlaysoni</i>		Cave	Insectivore	Edge	4.4	5.5	6.4	59.6
<i>Myotis adversus</i>		Crevice	Insectivore	Edge	10.3	7.9	6.7	40.1
<i>Scotorepens greyii</i>		Crevice	Insectivore	Edge	7.7	7.9	6.2	38