

Supplementary Tables

Table S1. Vector-borne pathogens (excluding viruses) tested (based on culture and/or nucleic acid based testing) and recorded in *Rousettus aegyptiacus* and its ectoparasites.

Pathogen	Location	N of positive/N of tested	Prevalence (%)	Reference
<i>Bartonella</i> sp.	Kenya	22/105	21	(Kosoy <i>et al.</i> , 2010)
<i>Bartonella</i> sp.	South Africa	1/7	-	(Dietrich <i>et al.</i> , 2016)
<i>Bartonella</i> sp.	South Africa	5/14*	-	(Dietrich <i>et al.</i> , 2016)
<i>Bartonella</i> sp.	South Africa	0/1**	-	(Dietrich <i>et al.</i> , 2016)
<i>Bartonella rousetti</i>	Nigeria	22/177	12.4	(Bai <i>et al.</i> , 2018)
<i>Bartonella</i> sp.	Nigeria	21/50*	42	(Bai <i>et al.</i> , 2018)
<i>Bartonella rousetti</i>	Zambia	3/31	9.7	(Qiu <i>et al.</i> , 2020)
(and other <i>Bartonella</i> spp.)				
<i>Borrelia</i> sp.	Zambia	59/177	33.3	(Qiu <i>et al.</i> , 2019)
<i>Hepatocystis</i> sp.	Nigeria	1/32	3	(Atama <i>et al.</i> , 2019)
<i>Nycteria</i> sp.	Gabon	0/17	-	(Roskopf <i>et al.</i> , 2019)
<i>Polychromophilus melanipherus</i>	Gabon	1 (pool)/NA*	-	(Obame-Nkoghe <i>et al.</i> , 2016)
<i>Polychromophilus</i> sp.	Gabon	0/17	-	(Roskopf <i>et al.</i> , 2019)
<i>Trypanosoma</i> sp.	South Africa	3/20	15	(Clément <i>et al.</i> , 2020)

<i>Trypanosoma</i> sp.	Gabon	NA	-	(Stevens <i>et al.</i> , 1999)
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*bat flies; **bat fleas

Table S2. Reference sequences of *gltA* region used for phylogenetic analysis, obtained from GenBank and literature.

Taxa	Location	Accession number	bp	Reference
<i>Carollia perspicillata</i>	Brazil	MH204888	656	(Ferreira <i>et al.</i> , 2018)
<i>Cyclopodia dubia</i> *	Madagascar	KP010163	336	(Brook <i>et al.</i> , 2015)
(<i>Eidolon dupreanum</i>)				
<i>Desmodus rotundus</i>	Brazil	MH204891	641	(Ferreira <i>et al.</i> , 2018)
<i>Desmodus rotundus</i>	Brazil	MH204893	640	(Ferreira <i>et al.</i> , 2018)
<i>Eucampsipoda africana</i> *	Nigeria	MH151075	367	(Bai <i>et al.</i> , 2018)
(<i>Rousettus aegyptiacus</i>)				
<i>Eucampsipoda africana</i> *	Nigeria	MH151078	359	(Bai <i>et al.</i> , 2018)
(<i>Rousettus aegyptiacus</i>)				
<i>Eucampsipoda africana</i> *	Nigeria	MH151079	367	(Bai <i>et al.</i> , 2018)
(<i>Rousettus aegyptiacus</i>)				
<i>Eucampsipoda africana</i> *	Zambia	LC461055	338	(Qiu <i>et al.</i> , 2020)
(<i>Rousettus aegyptiacus</i>)				
<i>Eucampsipoda africana</i> *	Zambia	LC461054	338	(Qiu <i>et al.</i> , 2020)
(<i>Rousettus aegyptiacus</i>)				
<i>Eidolon dupreanum</i>	Madagascar	KP010192	684	(Brook <i>et al.</i> , 2015)

<i>Eidolon helvum</i>	Kenya	KM030507	751	(Bai <i>et al.</i> , 2015)
<i>Eidolon helvum</i>	Ghana	KM030516	751	(Bai <i>et al.</i> , 2015)
<i>Eidolon helvum</i>	Ghana	KM030517	751	(Bai <i>et al.</i> , 2015)
<i>Eptesicus nilsonii</i>	Finland	KF003115	595	(Veikkolainen <i>et al.</i> , 2014)
<i>Eptesicus serotinus</i>	Georgia	KX300200	370	(Urushadze <i>et al.</i> , 2017)
<i>Eucampsipoda madagascarensis</i> * (<i>Rousettus madagascariensis</i>)	Madagascar	KT751158	918	(Wilkinson <i>et al.</i> , 2016)
<i>Glossophaga soricina</i>	Costa Rica	MH234380	752	(Frank <i>et al.</i> , 2018)
<i>Leptocyclopodia ferrarii</i> * (<i>Cynopterus brachyotis</i>)	Malaysia	MZ388461	728	(Low <i>et al.</i> , 2022)
<i>Miniopterus natalensis</i>	South Africa	MW007713	668	(Szentiványi <i>et al.</i> , 2020)
<i>Miniopterus natalensis</i>	South Africa	MW007712	668	(Szentiványi <i>et al.</i> , 2020)
<i>Nycteribia schmidlii scotti</i> * (<i>Miniopterus natalensis</i>)	South Africa	MW007707	668	(Szentiványi <i>et al.</i> , 2020)
<i>Spinturnix myoti</i> * (<i>Myotis myotis</i>)	Poland	JQ695839	299	(Szubert-Kruszyńska <i>et al.</i> , 2019)
<i>Strebla guajiro</i> * (<i>Carollia perspicillata</i>)	Brazil	MG654770	759	(Do Amaral <i>et al.</i> , 2018)
<i>Sturnira lilium</i>	Brazil	MH204894	642	(Ferreira <i>et al.</i> , 2018)
<i>Trichobius joblingi</i> * (<i>Carollia perspicillata</i>)	Costa Rica	MH234341	712	(Frank <i>et al.</i> , 2018)
<i>Rhizobium leguminosarum</i>	Brazil	EU488800	644	(Ribeiro <i>et al.</i> , 2009)

(Outgroup)				
<i>Sinorhizobium meliloti</i> (Outgroup)	Australia	AM181623	642	(Martens <i>et al.</i> , 2007)
<i>Bartonella tamiae</i> (Outgroup)	Thailand	DQ395177	374	(Kosoy <i>et al.</i> , 2008)

*ectoparasite (bat host)