

Table S1: Geographic locations and sampled years for bat serological sample set utilized in the study

Location of capture	District of Capture	N tested	N positive	Species of bats (n= number of bats)	Sampled years
Arena	Caroni	5	0	<i>Carollia perspicillata</i> (3)	2016, 2017
				<i>Artibeus jamaicensis planirostris</i> (1)	2017
				<i>Uroderma bilobatum</i> (1)	2012
Arima Valley	St. Andrew/ St. David	3	0	<i>Uroderma bilobatum</i> (1)	2016
				<i>Artibeus jamaicensis planirostris</i> (2)	2016
Aripo	St. Andrew/ St. David	10	0	<i>Carollia perspicillata</i> (6)	2016, 2017
				<i>Artibeus jamaicensis planirostris</i> (2)	2016, 2017
				<i>Pteronotus parnellii</i> (2)	2016, 2017
Avocat	St. Patrick	13	3	<i>Desmodus rotundus</i> (13)	2012
Buenos Ayres	St. Patrick	5	1	<i>Desmodus rotundus</i> (5)	2012
Cedros	St. Patrick	30	1	<i>Desmodus rotundus</i> (1)	2015
				<i>Carollia perspicillata</i> (29)	2017
Chagaramas	St. George West	2	0	<i>Desmodus rotundus</i> (2)	2017
Champs Fleurs	St. George East	38	13	<i>Artibeus jamaicensis planirostris</i> (32)	2012, 2017
				<i>Phyllostomus discolor</i> (4)	2017
				<i>Sturnira tildae</i> (1)	2017
				<i>Carollia perspicillata</i> (1)	2013
Fishing pond	St. Andrew/ St. David	16	0	<i>Glossophaga soricina</i> (13)	2017
				<i>Glossophaga longirostris</i> (3)	2017
Forest Reserve	St. Patrick	3		<i>Desmodus rotundus</i> (3)	2016
Fyzabad	St. Patrick	16		<i>Desmodus rotundus</i> (16)	2012, 2016, 2017
Guayaguayarare	Nariva/ Mayaro	6		<i>Desmodus rotundus</i> (6)	2013
Guico Tamana	St. Andrew/ St. David	4	0	<i>Glossophaga soricina</i> (2)	2016, 2017
				<i>Artibeus jamaicensis planirostris</i> (1)	2017
				<i>Carollia perspicillata</i> (1)	2017

Location of capture	District of Capture	N tested	N positive	Species of bats (n= number of bats)	Sampled years
Lopinot	St. George East	25	5	<i>Artibeus jamaicensis planirostris</i> (4)	2012
				<i>Artibeus lituratus</i> (15)	2012
				<i>Glossophaga soricina</i> (2)	2012
				<i>Saccopteryx bilineata</i> (1)	2012
				<i>Sturnira lilium</i> (3)	2012
Los Iros	St. Patrick	5	0	<i>Desmodus rotundus</i> (2)	2016
				<i>Artibeus jamaicensis planirostris</i> (3)	2016
Manuel Congo	Caroni	6	0	<i>Sturnira lilium</i> (1)	2017
				<i>Platyrrhinus fusciventris</i> (1)	2017
				<i>Carollia perspicillata</i> (1)	2017
				<i>Glossophaga soricina</i> (1)	2017
				<i>Artibeus jamaicensis planirostris</i> (2)	2017
Maracas Valley	St. George East	14	1	<i>Carollia perspicillata</i> (2)	2012
				<i>Artibeus jamaicensis planirostris</i> (1)	2012
				<i>Artibeus lituratus</i> (2)	2012
				<i>Molossus molossus</i> (9)	2016
Monos Island	St. George West	4	0	<i>Diaemus youngi</i> (1)	2017
				<i>Noctilio leporinus</i> (3)	2017
Moruga	Victoria	10	0	<i>Desmodus rotundus</i> (3)	2016
				<i>Lonchorhina aurita</i> (1)	2016
				<i>Uroderma bilobatum</i> (2)	2016
				<i>Artibeus jamaicensis planirostris</i> (4)	2016
Palo Seco	St. Patrick	6	0	<i>Desmodus rotundus</i> (6)	2016
Penal	St. Patrick	9	1	<i>Desmodus rotundus</i> (9)	2016
Port of Spain	St. George West	5	0	<i>Artibeus jamaicensis planirostris</i> (3)	2016
				<i>Artibeus lituratus</i> (2)	2016
Rio Claro	Nariva/ Mayaro	2	0	<i>Molossus rufus</i> (2)	2016

Location of capture	District of Capture	N tested	N positive	Species of bats (n= number of bats)	Sampled years
Santa Cruz	St. George West	49	2	<i>Artibeus lituratus</i> (13)	2012
				<i>Saccopteryx bilineata</i> (3)	2012
				<i>Artibeus jamaicensis planirostris</i> (4)	2012
				<i>Carollia perspicillata</i> (16)	2012, 2016, 2017
				<i>Sturnira tildae</i> (1)	2016
				<i>Glossophaga soricina</i> (1)	2016
				<i>Desmodus rotundus</i> (7)	2013, 2016
				<i>Uroderma bilobatum</i> (3)	2016
				<i>Pteronotus parnellii</i> (1)	2016
St. Augustine	St. George East	13	2	<i>Molossus molossus</i> (2)	2016
				<i>Glossophaga soricina</i> (6)	2017
				<i>Artibeus jamaicensis planirostris</i> (5)	2016, 2017
St. James	St. George West	19	0	<i>Artibeus jamaicensis planirostris</i> (19)	2012, 2016
Tabaquite	Caroni	6	1	<i>Anoura geoffroyi</i> (2)	2016
				<i>Phyllostomus hastatus</i> (3)	2016
				<i>Carollia perspicillata</i> (1)	2016
Tableland	Victoria	17	1	<i>Desmodus rotundus</i> (17)	2016
Toco	St. Andrew/ St. David	6	1	<i>Artibeus jamaicensis planirostris</i> (6)	2016, 2017
Wallerfield	St. George East	28	1	<i>Desmodus rotundus</i> (17)	2012, 2016
				<i>Pteronotus parnellii</i> (5)	2016
				<i>Mormoops megalophylla</i> (3)	2016
				<i>Glossophaga soricina</i> (1)	2016
				<i>Carollia perspicillata</i> (2)	2016
Williamsville	Victoria	8	0	<i>Carollia perspicillata</i> (8)	2016
Total		383	33		

Table S2: Demographic and habitat information for RVNA positive bat samples

Location-District	No. bats tested (RVNA positive)	Bat ID	Year	Season	Location-County	Urbanization Level	Method of capture	RVNA positive bat species	Feeding behavior	Sex	Age	RVNA titer level (IU/ml)
Avocat	13 (3)	T135	2012	WS	St. Patrick	Ru	Field	<i>Desmodus rotundus</i>	Sanguivore	F	A	0.3
		T136	2012	WS	St. Patrick	Ru	Field	<i>Desmodus rotundus</i>	Sanguivore	M	A	19
		T143	2012	WS	St. Patrick	Ru	Field	<i>Desmodus rotundus</i>	Sanguivore	M	A	15.6
Buenos Ayres	5 (1)	T166	2012	WS	St. Patrick	Ru	Field	<i>Desmodus rotundus</i>	Sanguivore	M	A	0.2
Cedros	30 (1)	T370	2017	DS	St. Patrick	Ru	Roost	<i>Carollia perspicillata</i>	Frugivore	F	A	0.31
Champs Fleurs	38 (13)	T3	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	0.13
		T5	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	0.11
		T8	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	0.13
		T9	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	3.1
		T14	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	0.13
		T15	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	M	J	0.13
		T17	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	M	A	0.13
		T18	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	0.62
		T19	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	M	J	0.84
		T22	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	M	J	0.31
		T23	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	J	2.0
		T25	2012	DS	St. George East	NRu-nr	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	J	3.4
		T345	2017	DS	St. George East	Ru	Field	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	0.12
Lopinot	25 (5)	T32	2012	DS	St. George East	Ru	Roost	<i>Artibeus lituratus</i>	Frugivore	M	J	0.13
		T34	2012	DS	St. George East	Ru	Roost	<i>Artibeus lituratus</i>	Frugivore	F	A	0.13
		T36	2012	DS	St. George East	Ru	Roost	<i>Artibeus lituratus</i>	Frugivore	F	J	0.13
		T39	2012	DS	St. George East	Ru	Roost	<i>Artibeus lituratus</i>	Frugivore	F	J	0.6
		T42	2012	DS	St. George East	Ru	Roost	<i>Glossophaga soricina</i>	Nectarivore	F	A	0.12
Maracas Valley	14 (1)	T81	2012	DS	St. George East	Ru	Field	<i>Artibeus lituratus</i>	Frugivore	M	A	4.2
Penal	9 (1)	T188	2012	WS	St. Patrick	Ru	Field	<i>Desmodus rotundus</i>	Sanguivore	M	A	1.2
Santa Cruz	49 (2)	T171	2012	DS	St. George West	NRu-r	Roost	<i>Artibeus lituratus</i>	Frugivore	M	A	0.17
		T107	2012	WS	St. George West	Ru	Field	<i>Carollia perspicillata</i>	Frugivore	M	A	0.7

Location-District	No. bats tested (RVNA positive)	Bat ID	Year	Season	Location-County	Urbanization Level	Method of capture	RVNA positive bat species	Feeding behavior	Sex	Age	RVNA titer level (IU/ml)
St. Augustine	13 (2)	T337	2017	DS	St. George East	NRu-nr	Field	<i>Artibeus jamaicensis planirostris</i>	Frugivore	M	A	0.2
		JC347	2017	DS	St. George East	NRu-nr	Field	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	0.15
Tabaquite	6 (1)	T293	2016	DS	Caroni	Ru	Roost	<i>Phyllostomus hastatus</i>	Mixed	M	A	0.1
Tableland	17 (1)	T150	2012	WS	Victoria	Ru	Field	<i>Desmodus rotundus</i>	Sanguivore	F	A	0.2
Toco	6 (1)	JC225	2016	DS	St. Andrew/ St. David	Ru	Roost	<i>Artibeus jamaicensis planirostris</i>	Frugivore	F	A	0.1
Wallerfield	28 (1)	T182	2012	WS	St. George East	Ru	Field	<i>Carollia perspicillata</i>	Frugivore	F	A	0.1

DS: Dry season

WS: Wet season

Ru: rural

NRu-nr: non-rural, non-residential

NRu-r: non-rural, residential