

Table S1. Paramyxovirus RNA detections and overlap between the two PCRs. †Alone = paramyxovirus RNA was detected using only the one PCR, as indicated. *In one pool, AZ_RMH_9 and AZ_RMH_10A were detected concurrently using the same (RMH) PCR. PAR = PCR using general paramyxovirus primers, RMH = PCR using *Respirovirus-Morbillivirus-Henipavirus* specific primers.

	AZ_RMH_2	AZ_RMH_9	AZ_RMH_10 A	AZ_RMH_14 6	AZ_RMH_162 A	AZ_RMH_317 A	Alone	Total
AZ_PAR_3	1	1	0	0	0	0	3	5
AZ_PAR_10B	0	0	2	1	1	0	11	15
AZ_PAR_44	0	0	0	0	0	0	2	2
AZ_PAR_117	3	0	0	0	0	0	0	3
AZ_PAR_162B	0	0	0	0	1	0	1	2
AZ_PAR_198	0	0	0	0	0	0	2	2
AZ_PAR_292	0	0	0	0	0	0	2	2
AZ_PAR_317B	0	1	0	0	0	1	1	3
Alone†	4	7*	20*	7	3	0		
Total	8	9	22	8	5	1		

Table S2. Paramyxovirus sequences detected in this study. PAR = PCR using general paramyxovirus primers, RMH = PCR using *Respirovirus-Morbillivirus-Henipavirus* specific primers.

Short name	Full name	GenBank Accession number	Accession number and name of the closest relative in the NCBI database	% identity with the closest relative
AZ_RMH_2	BatPV_GH_2019_U2R	MZ393386	HQ660134.1 Bat Paramyxovirus Eid_hel/GH-M90a/GHA/2009 isolate	98.86%
AZ_RMH_9	BatPV_GH_2019_U9R	MZ393385	JN862571.1 Eidolon helvum paramyxovirus clone U54B (L) gene	97.27%
AZ_RMH_10A	BatPV_GH_2019_U10R	MZ393384	FJ971935.1 Paramyxovirus bat/GH15/2009 (L) gene	98.40%
AZ_RMH_146	BatPV_GH_2019_U146 R	MZ393383	HQ660147.1 Bat Paramyxovirus Eid_hel/GH-M28/GHA/2009 isolate	99.77%
AZ_RMH_162A	BatPV_GH_2019_U162 R	MZ393382	JN862573.1 Eidolon helvum paramyxovirus clone U51B (L) gene	99.54%
AZ_RMH_317A	BatPV_GH_2019_U317 R	MZ393381	FJ971939.1 Paramyxovirus bat/GH21a/2009 (L) gene	99.09%
AZ_PAR_3	BatPV_GH_2019_U3P	MZ393377	JN648061.1 Eidolon helvum paramyxovirus clone U46B (L) gene	99.25%
AZ_PAR_10B	BatPV_GH_2019_U10P	MZ393380	KF878080.1 Mumps virus strain MuVi/RW154.USA/0.70s[K]	79.74%
AZ_PAR_44	BatPV_GH_2019_U44P	MZ393379	JX051320.1 Achimota virus 2	99.62%
AZ_PAR_117	BatPV_GH_2019_U117 P	MZ393376	AB853096.1 Bat Paramyxovirus Eid_hel/ZFB09-32/Zambia/2009 L gene	98.30%
AZ_PAR_162B	BatPV_GH_2019_U162 P	MZ393375	JN648082.1 Eidolon helvum paramyxovirus clone U68G (L) gene	96.80%
AZ_PAR_198	BatPV_GH_2019_U198 P	MZ393374	JX051320.1 Achimota virus 2	70.22%

AZ_PAR_292	BatPV_GH_2019_U292 P	MZ393378	JN648056.1	Eidolon helvum paramyxovirus clone U42A (L) gene	75.33%
AZ_PAR_317B	BatPV_GH_2019_U317 P	MZ393373	HE647836.1	Eidolon paramyxovirus RC09 partial L gene	97.16%