Table S1. RT-PCR oligonucleotides for the initial rotavirus screening against VP1

ID no.	Sequence (5' → 3')	Position	Genome segment	Polarity	Assay type
PanRota-F1570	TAYACIGAYGTITCICARTGGGA	1570-1593[a]	VP1	+	Heminested RT-PCR, 1st round
PanRota-R1922	GCGTAGTTGTCGTCICCRTCBAC	1900-1922[a]	VP1	-	1st and 2nd rd
PanRota-F1585a	CARTGGGATTCGTCICAGCAYAAYAC	1585-1610[a]	VP1	+	2nd rd
PanRota-F1585b	CARTGGGACGCCAGICAACATAAYAC	1585-1610[a]	VP1	+	2nd rd

ID, identification; RT-PCR, reverse transcription–PCR; [a]corresponding to Rotavirus A G11P[25] Dhaka6 VP1 (GenBank # EF560705); Variant forms of primers (marked consecutively with an alphabetic character in the last position) were mixed together equally and from then on treated as one single primer.

Table S2. Taxonomical annotation, sampling time and location, RVA PCR detection information of the bat samples

Order-Family	Species	No. of samples per sampling site and year								PCR positive (%)	Positive samples (ID)
		total	BGR 2008	BGR 2009	CRC 2010	GAB 2009	DEU 2008	GHA 2009	ROU 2008		
Chiroptera-Pteropodidae	*Eidolon helvum*	**226**						226		1 (0.4%)	K212
	Micropteropus pusillus	**1**						1		0 (0%)	
	Rousettus aegyptiacus	**10**				8		2		0 (0%)	
Chiroptera-Rhinolophidae	*Rhinolophus blasii*	**90**	82	8						1 (1.1%)	BB89-15
	Rhinolophus euryale	**336**	244	92						2 (0.6%)	BBR89-2, BR89-60
	Rhinolophus ferrum-equinum	**52**	45	6					1	0 (0%)	
	Rhinolophus hipposideros	**6**	6								
	Rhinolophus landeri	**1**						1		0 (0%)	
	Rhinolophus mehelyi	**22**	14	8						0 (0%)	
	Rhinolophus spec.	**6**				6				0 (0%)	
Chiroptera-Hipposideridae	*Hipposideros cf ruber/caffer*	**183**				46		137		2 (1.1%)	GKS-637, GKS-660
	Hipposideros cf spec	**2**						2		0 (0%)	
	Hipposideros gigas	**67**				67				10 (14.9%)	GKS-897, GKS-912, GKS-926, GKS-929, GKS-934, GKS-941, GKS-942, GKS-953, GKS-954, GKS-955
	Hipposideros abae	**62**						62		0 (0%)	
Chiroptera-Nycteridae	*Nycteris spec.*	**3**						3		0 (0%)	
Chiroptera-Emballonuridae	*Coleura afra*	**5**						5		0 (0%)	
	Peropteryx kappleri	**5**			5					0 (0%)	
Chiroptera-Phyllostomidae	*Anoura geoffroyi*	**100**			100					0 (0%)	
	Carollia castanea	**1**			1					0 (0%)	
	Carollia perspicillata	**203**			203					1 (0.5 %)	KCR10-93
	Enchisthenes hartii	**3**			3					0 (0%)	
	Glossophaga commissarisi	**3**			3					0 (0%)	
	Glossophaga soricina	**22**			22					0 (0%)	
Chiroptera-Mormoopidae	*Pteronotus parnellii*	**21**			21					0 (0%)	
Chiroptera-Natalidae	*Natalus lanatus*	**3**			3					0 (0%)	
Chiroptera-Vespertilionidae	*Barbastella barbastellus*	**13**	12						1	0 (0%)	
	Miniopterus inflatus	**2**				2				0 (0%)	
	Miniopterus schreibersii	**77**	39						38	0 (0%)	
	Myotis brandtii	**17**					17			0 (0%)	
	Myotis alcathoe	**2**	2							0 (0%)	
	Myotis bechsteinii	**57**	32				25			0 (0%)	
	Myotis capaccini	**1**	1							0 (0%)	
	Myotis dasycneme	**149**					149			0 (0%)	
	Myotis daubentonii	**110**	7				103			1 (0.9%)	SW78-39
	Myotis emarginatus	**5**	5							0 (0%)	
	Myotis myotis	**77**	3				60		14	0 (0%)	
	Myotis mystacinus	**51**					51			0 (0%)	
	Myotis nattereri	**27**	2				25			0 (0%)	
	Myotis oxygnathus	**22**	1						21	0 (0%)	
	Nyctalus leisleri	**3**	3							0 (0%)	
	Nyctalus noctula	**11**					2		9	0 (0%)	
	Pipistrellus cf nanus/nanulus	**3**						3		0 (0%)	
	Pipistrellus nathusii	**2**					2			0 (0%)	
	Pipistrellus pipistrellus	**37**					37			0 (0%)	
	Pipistrellus pygmaeus	**29**	2				27			0 (0%)	
	Pipistrellus spec.	**6**						6		0 (0%)	
	Plecotus auritus	**5**	2				3			0 (0%)	
	Plecotus austriacus	**1**					1			0 (0%)	
Chiroptera-Molossidae	*Mops spec.*	**2**		1				1		0 (0%)	
	Total (46 species)	**2142**	**502**	**115**	**361**	**129**	**502**	**449**	**84**	**18 (0.8%)**	

Country: BGR = Bulgaria; CRC = Costa Rica; GAB = Gabon; DEU = Germany; GHA = Ghana; ROU = Romania

Table S3. RVA-positive bat samples detected by targeted RT-PCR and undergone viral metagenomics

Sample	Host	Country	Place	Year
BBR89-2	*Rhinolophus euryale*	Bulgaria	Bratanova	2008
BB89-15	*Rhinolophus blasii*		Elenas Cave	
BR89-60	*Rhinolophus euryale*		Roman Horse Cave	
SW78-39	*Myotis daubentonii*	Germany	Wahlstorf, SH	2008
GKS-660	*Hipposideros caffer*	Gabon	Zadie	2009
GKS-637				
GKS-897	*Hipposideros gigas*	Gabon	Faucon	2009
GKS-912				
GKS-926				
GKS-929				
GKS-934				
GKS-941				
GKS-942				
GKS-953				
GKS-954				
GKS-955				
K212	*Eidolon helvum*	Ghana	Kumasi	2009
KCR10-93	*Carollia perspicillata*	Costa Rica	Orosi	2010

Table S4. a. Examples of reassortments among bat RVA strains, b. Examples of bat RVA strains with unusual genotype constellations, potentially resulting from (multiple) reassortment events, c. Examples of distinct RVA genotype constellations in the same bat species

a. Strains	VP7	VP4	VP6	VP1	VP2	VP3	NSP1	NSP2	NSP3	NSP4	NSP5	Host Species	Host Family	Diet
RVA/Bat-wt/BGR/BB89-15/2008/G3P[3]	G3	P[3]	I3	R3	C3	M3	A9	N3	T3	E3	H6	*Rhinolophus blasii*	*Rhinolophidae*	I
RVA/Bat-wt/BGR/BB89-60/2008/G3P[3]	G3	P[3]	I3	R3	C3	M3	A9	N3	T3	E3	H6	*Rhinolophus euryale*	*Rhinolophidae*	I
RVA/Bat-wt/CHN/LZHP2/2015/G3P[3]	G3	P[3]	I3	R3	C3	M3	A9	N3	T3	E3	H6	*Hipposideros pomona*	*Hipposideridae*	I
RVA/Bat-tc/CHN/MSLH14/2012/G3P[3]	G3	P[3]	I8	R3	C3	M3	A9	N3	T3	E3	H6	*Rhinolophus hipposideros*	*Rhinolophidae*	I
RVA/Bat-tc/CHN/MYAS33/2013/G3P[10]	G3	P[10]	I8	R3	C3	M3	A9	N3	T3	E3	H6	*Aselliscus stoliczkanus*	*Hipposideridae*	I
RVA/Bat-wt/CHN/BSTM70/2015/G3P[3]	G3	P[3]	I8	R3	C3	M3	A29	N3	T3	E3	H6	*Taphozous melanopogon*	*Emballonuridae*	I/F
RVA/Bat-wt/CHN/YSSK5/2015/G3P[3]	G3	P[3]	I8	R20	C2	M1	A9	N3	T3	E3	H6	*Scotophilus kuhlii*	*Vespertilionidae*	I

b. Strains	VP7	VP4	VP6	VP1	VP2	VP3	NSP1	NSP2	NSP3	NSP4	NSP5	Host Species	Host Family	Diet
RVA/Bat-wt/ZMB/LUS12-14/2012/G3P[3]	G3	P[3]	I3	R2	C2	M3	A9	N2	T3	E2	H3	*Rhinolophus simulator*	Rhinolophidae	I
RVA/Bat-wt/CHN/YSSK5/2015/G3P[3]	G3	P[3]	I8	R20	C2	M1	A9	N3	T3	E3	H6	*Scotophilus kuhlii*	Vespertilionidae	I
RVA/Bat/KEN/322/Kwale/2015/G3P[10]	G3	P[10]	I2	R8	C3	M5	A5	N3	T6	E3	H6	*Taphozous mauritianus*	Emballonuridae	I

c. Strains	VP7	VP4	VP6	VP1	VP2	VP3	NSP1	NSP2	NSP3	NSP4	NSP5	Host Species	Host Family	Diet
RVA/Bat-wt/CMR/BatLy17/2014/G30P[47]	G30	P[47]	I22	R15	C15	M14	A25	N15	T17	E22	H17	*Eidolon helvum*	*Pteropodidae*	F
RVA/Bat-wt/GHA/K212/2009/G30P[47]	G30	P[47]	I22	R15	C15	M14	A25	N15	T17	E22	H17	*Eidolon helvum*	*Pteropodidae*	F
RVA/Bat-wt/CMR/BatLy03/2014/G25P[43]	G25	P[43]	I15	R16	C8	M15	A26	N8	T11	E23	H10	*Eidolon helvum*	*Pteropodidae*	F
RVA/Bat/SAU/KSA402/2012/G25P[43]	G25	P[43]	I15	R16	C8	M15	A26	N8	T11	E23	H10	*Eidolon helvum*	*Pteropodidae*	F

Table S5. The Genbank accession numbers of the reference RVA strains used in the study

Strains	VP1	VP2	VP3	VP4	NSP1	VP6	NSP3	VP7	NSP2	NSP4	NSP5
RVA/Alpaca-tc/PER/SA44/2014/G3P40				KT935478							
RVA/Alpaca-wt/PER/356/2010/G3P14				KT878993.1							
RVA/Alpaca-wt/PER/Alp11B/2010/G35P50				KY971955.1				KY971977.1			
RVA/Bat-wt/KEN/322/Kwale/2015/G3P10	MH285826.1	MH285827.1	MH285828.1	MH285829.1	MH285830.1	MH285831.1	MH285832.1	MH285834.1	MH285833.1	MH285835.1	MH285836.1
RVA/Bat-wt/KEN/BATp39/2015/G36P51	MH285837.1	MH285838.1	MH285839.1	MH285840.1	MH285841.1	MH285842.1	MH285843.1	MH285845.1	MH285844.1	MH285846.1	MH285847.1
RVA/Bat-wt/SAU/KSA402/2012/G25P43	KX420939.1	KX420940.1	KX420941.1	KX420942.1	KX420943.1	KX420944.1	KX420947.1	KX420946.1	KX420945.1	KX420949.1	KX420948.1
RVA/Bat-tc/CHN/MSLH14/2012/G3P3	KC960619.1	KC960620.1	KC960621.1	KC960622.1	KC960625.1	KC960623.1	KC960627.1	KC960626.1	KC960624.1	KC960628.1	KC960629.1
RVA/Bat-tc/CHN/MYAS33/2013/G3P10	KJ020891.1	KJ020892.1	KJ020893.1	KF649187.1	KJ020887.1	KJ020894.1	KJ020889.1	KF649188.1	KJ020888.1	KJ020890.1	KF649186.1
RVA/Bat-wt/BRA/3081/2013/G20Px				KR106166.1			KR106164.1	KR106163.1			KR106165.1
RVA/Bat-wt/BRA/4754/2013/G3P3				KR106161.1				KR106162.1		KR106159.1	KR106160.1
RVA/Bat-wt/CHN/BSTM70/2015/G3P3	KX814924.1	KX814925.1	KX814926.1	KX814922.1	KX814927.1	KX814923.1	KX814928.1	KX814929.1	KX814921.1	KX814930.1	KX814931.1
RVA/Bat-wt/CHN/GLRL1/2005/G33P48	KX814935.1	KX814936.1	KX814937.1	KX814933.1		KX814934.1	KX814939.1	KX814932.1	KX814938.1	KX814941.1	KX814940.1
RVA/Bat-wt/CHN/LZHP2/2015/G3P3	KX814945.1	KX814946.1	KX814947.1	KX814943.1	KX814948.1	KX814944.1	KX814950.1	KX814942.1	KX814949.1	KX814951.1	KX814952.1
RVA/Bat-wt/CHN/YSSK5/2015/G3P3	KX814956.1	KX814957.1	KX814958.1	KX814954.1	KX814959.1	KX814955.1	KX814961.1	KX814953.1	KX814960.1	KX814962.1	KX814963.1
RVA/Bat-wt/CMR/BatLi08/2014/G31P42	KX268765.1	KX268766.1	KX268767.1	KX268768.1	KX268771.1	KX268769.1	KX268773.1	KX268770.1	KX268772.1	KX268774.1	KX268775.1
RVA/Bat-wt/CMR/BatLi09/2014/G30P42	KX268754.1	KX268755.1	KX268756.1	KX268757.1	KX268760.1	KX268758.1	KX268762.1	KX268759.1	KX268761.1	KX268763.1	KX268764.1
RVA/Bat-wt/CMR/BatLi10/2014/G30P42	KX268743.1	KX268744.1	KX268745.1	KX268746.1	KX268749.1	KX268747.1	KX268751.1	KX268748.1	KX268750.1	KX268752.1	KX268753.1
RVA/Bat-wt/CMR/BatLy03/2014/G25P43	KX268776.1	KX268777.1	KX268778.1	KX268779.1	KX268782.1	KX268780.1	KX268784.1	KX268781.1	KX268783.1	KX268785.1	KX268786.2
RVA/Bat-wt/CMR/BatLy17/2014/G30P47	KX268787.1	KX268789.1	KX268790.1	KX268788.1	KX268793.1	KX268791.1	KX268795.1	KX268792.1	KX268794.1	KX268796.1	KX268797.1
RVA/Bat-wt/KEN/KE4852/2007/G25P6		GU983673.1		GU983674.1		GU983675.1	GU983678.1	GU983676.1	GU983677.1	GU983679.1	GU983680.1
RVA/Bat-wt/ZMB/LUS12-14/2012/G3P3	LC158119.1	LC158120.1	LC158121.1	LC158117.1	LC158122.1	LC158118.1	LC158116.1	LC158123.1	LC158124.1	LC158125.1	LC158126.1
RVA/Bat-wt/ZMB/ZFB14-126/2014/GxPx						LC277165.1	LC277163.1		LC277162.1	LC277164.1	
RVA/Bat-wt/ZMB/ZFB14-135/2014/G31Px	LC277168.1					LC277169.1	LC277167.1	LC277170.1			
RVA/Bat-wt/ZMB/ZFB14-52/2014/G31Px						LC277160.1	LC277159.1	LC277161.1			
RVA/Camel/KUW/s21/2010/G10P15				JX968470.2							
RVA/Camel-wt/SDN/MRC-DPRU447/2009/G8P1					KC257086.1					KC257089.1	
RVA/Chicken-tc/DEU/02V0002G3/2002/G19P30	FJ169853.1	FJ169854.1	FJ169855.1	FJ169856.1	FJ169857.1	FJ169858.1	FJ169859.1	FJ169861.1	FJ169860.1	FJ169862.1	FJ169863.1
RVA/Chicken-tc/GBR/Ch-1/197x/G19P17						D82970.1		AB080738.1			
RVA/CommonGull-wt/JPN/Ho374/2013/G28P39	LC088218.1	LC088219.1	LC088220.1	LC088221.1	LC088224.1	LC088222.1	LC088225.1	LC088226.1	LC088223.1	LC088227.1	LC088228.1
RVA/Cow-tc/GBR/PP-1/1976/G3P7								AF427124.1		AF427521.1	
RVA/Bovine-tc/USA/UK/1984/G6P5				JF693051.1							
RVA/Cow-tc/IND/Hg18/1995/G15P21				AF237665.1				AF237666.1			
RVA/Cow-tc/JPN/Dai-10/2007/G24P33	AB573070.1	AB573071.1	AB573072.1	AB513836.1	AB573074.1	AB573073.1	AB573075.1	AB573076.1	AB513837.1	AB573077.1	AB573078.1
RVA/Cow-tc/THA/A5-13/G8P1				LC133528.1							
RVA/Cow-tc/USA/B223/G10P11				LC133550.1							
RVA/Cow-tc/USA/NCDV/1971/G6P1	DQ870493.1	DQ870494.1									
RVA/Cow-tc/USA/WC3/1981/G6P5	EF560615.1	EF560616.1	EF560617.1		EF990699.1		EF990701.1		EF990700.1		EF990702.1
RVA/Cow-wt/JPN/Azuk-1/2006/G21P29				LC553631.1			LC553636.1				

RVA/Dog-wt/HUN/135/2012/G3P3	KJ875791.1	KJ875792.1	KJ875793.1	KJ875794.1	KJ875797.1	KJ875795.1	KJ875799.1	KJ875796.1	KJ875798.1	KJ875800.1	KJ875801.1
RVA/Dog-tc/ITA/RV198-95/1995/G3P3	HQ661134.1	HQ661135.1	HQ661136.1	HQ661137.1	HQ661140.1	HQ661138.1	HQ661142.1	HQ661139.1	HQ661141.1	HQ661143.1	HQ661144.1
RVA/Guanaco-wt/ARG/Chubut/1999/G8P14	FJ347100.1	FJ347101.1	FJ347102.1	FJ347103.1	FJ347106.1	FJ347104.1	FJ347108.1	FJ347105.1	FJ347107.1	FJ347109.1	FJ347110.1
RVA/Horse-tc/USA/FI14/1981/G3P12					KM454487.1						
RVA/Horse-tc/GBR/H-2/1976/G3P12				KM454495.1							
RVA/Horse-tc/GBR/L338/1991/G13P18	JF712555.1	JF712556.1	JF712557.1	JF712558.1	JF712561.1	JF712559.1	JF712560.1	JF712562.1	JF712563.1	JF712564.1	JF712565.1
RVA/Horse-tc/USA/FI23/1981/G14P12								KM454508.1			
RVA/Horse-wt/ARG/E30/1993/G3P12											JF712576.1
RVA/Horse-wt/ARG/E3198/2008/G3P3	JX036365.1	JX036366.1	JX036367.1	JX036368.1	JX036371.1	JX036369.1	JX036373.1	JX036370.1	JX036372.1	JX036374.1	JX036375.1
RVA/Human-wt/ITA/ME848/2012/G12P8	KR632623.1	KR632624.1	KR632625.1	KR632621.1	KR632626.1	KR632622.1	KR632628.1	KR632620.1	KR632627.1	KR632629.1	KR632630.1
RVA/Human/CHN/ZTR-5/XXXX/G3P2	JF896465.1	JF896466.1	JF896467.1	JF896468.1	JF896471.1	JF896469.1	JF896473.1	JF896470.1	JF896472.1	JF896474.1	JF896475.1
RVA/Human-tc/KEN/B10/1987/G3P2	HM627553.1	HM627554.1	HM627555.1	HM627556.1	HM627559.1	HM627557.1	HM627561.1	HM627558.1	HM627560.1	HM627562.1	HM627563.1
RVA/Human-tc/CHN/L621/2006/G3P9	JX946159.1	JX946160.1	JX946161.1	EU708574.1	JX946163.1	JX946162.1	JX946165.1	EU708588.1	JX946164.1	JX946166.1	JX946167.1
RVA/Human-tc/GBR/A64/1987/G10P1114								EF672567.1			
RVA/Human-tc/GBR/ST3/1975/G4P2								EF672616.1			
RVA/Human-tc/IND/116E/1985/G9P11				FJ361204.1							
RVA/Human-tc/IND/69M/1980/G8P10				M60600.1				EF672560.1			
RVA/Human-tc/JPN/AU-1/1982/G3P9	DQ490533.1	DQ490536.1	DQ490537.1	D10970	D45244	DQ490538.1	DQ490535.1	D86271.1	DQ490534.1		AB008656
RVA/Human-tc/THA/Mc323/1989/G9P19				D38052.1							
RVA/Human-tc/THA/T152/1998/G12P9											DQ146706.1
RVA/Human-tc/USA/DS-1/1976/G2P1B4	HQ650116.1	HQ650117.1	HQ650118.1	HQ650119.1	HQ650120.1	HQ650121.1	HQ650122.1	HQ650124.1	HQ650123.1	HQ650125.1	HQ650126.1
RVA/Human-tc/USA/Wa/1974/G1P1A8	KT694939.1	KT694940.1	KT694941.1	KT694942.1	KT694945.1	KT694943.1	KT694947.1	KT694944.1	KT694946.1	KT694948.1	KT694949.1
RVA/Human-tc/USA/WI61/1983/G9P1A8								LC482504.1			
RVA/Human-wt/BEL/B4106/2000/G3P14										AY740732.1	
RVA/Human-wt/BEL/BEF06018/2014/G29P41				KU128895.1							
RVA/Human-wt/BGD/Dhaka6/2001/G11P25				AY773004.2							
RVA/Human-wt/BRA/QUI-35-F5/2010/G3P9					KF185099.1	KF185107.1					
RVA/Human-wt/CHN/E2451/2011/G3P9	JX946168.1	JX946169.1	JX946170.1	JX946171.1	JX946174.1	JX946172.1	JX946176.1	JX946173.1	JX946175.1	JX946177.1	JX946178.1
RVA/Human-wt/ECU/Ecu534/2006/G20P28				EU805773.1		EU805774.2		EU805775.1			
RVA/Human-wt/HUN/Hun5/1997/G6P14					EF554110.1						
RVA/Human-wt/NPL/KTM368/2004/G11P25						GU199496.1					
RVA/Human-wt/SUR/2014735512/2013/G20P28	KX257410.1	KX257409.1	KX257408.1	KX257407.1	KX257415.1	KX257406.1	KX257414.1	KX257413.1	KX257405.1	KX257412.1	KX257411.1
RVA/Human-wt/THA/CMH222/2001/G3P3				DQ288661.1		DQ288659.1		AY707792.1		DQ288660.1	
RVA/Human-wt/US/09US7118/2009/G3P24	KF541281.1	KF541282.1	KF541283.1	KF541284.1	KF541287.1	KF541285.1	KF541288.1	KF541289.1	KF541286.1	KF541290.1	KF541291.1
RVA/Alpaca/PER/ALRVA-Kayra/3386/2010/G3Px								KT250942.1			
RVA/Mouse-tc/UK/EHP/1981/G16P20				U08424.1							
RVA/Mouse-tc/USA/ETD_822/2007/G16P16	GQ479947.1	GQ479948.1	GQ479949.1	GQ479950.1			GQ479953.1		GQ479954.1		GQ479957.1
RVA/Mouse-tc/USA/EW/XXXX/G16P16				U08429.1	U08428.1	U36474.1		U08430.1		U96335.1	
RVA/Pheasant-tc/GER/10V0112H5/2010/G23P37				JX204814.1							
RVA/Pheasant-wt/HUN/Phea14246/2008/G23Px								FN393054.1			

RVA/Pigeon-tc/JPN/PO-13/1983/G18P17	AB009629.2	AB009630.2	AB009631.2	AB009632.2	AB009633.2	D16329.2	AB009626.2	D82979.2	AB009625.2	AB009627.1	AB009628.1
RVA/Pig-tc/USA/OSU/1975/G5P7				KR052770.1				KR052772.1			
RVA/Pig-wt/XXX/A46/XXXX/GxP13				AY050274.1							
RVA/Pig-wt/BGD/2014016006/G9P49				KY905314.1							
RVA/Pig-wt/CAN/CE-M-06-0003/2006/G2P27						GU183245.1					
RVA/Pig-wt/CHN/NMTL/2008/G9P23				JF781161.1							
RVA/Pig-wt/IRL/61-07-ire/2007/G2P32				FJ492835.1							
RVA/Pig-wt/JPN/FGP51/2009/G4P34				AB571047.1							
RVA/Pig-wt/JPN/TJ41/2010/G26Px								AB605258.1			
RVA/Pig-wt/THA/CMP034/2000/G2P27				DQ534016.2							
RVA/Rabbit-wt/ITA/160/01/2001/G3P22				AF526374.1							
RVA/Raccoon-tc/JPN/Rac-311/2011/G34P17		LC208546.1	LC208547.1		LC208551.1	LC208549.1	LC208553.1	LC208550.1	LC208552.1		
RVA/Rat/CHN/RA116/2013/G3P45				KU243630.1							LC208555.1
RVA/Rat-wt/GER/KS-11-573/2011/G3P3	KJ879448.1	KJ879449.1	KJ879450.1		KJ879454.1	KJ879452.1	KJ879456.1			KJ879457.1	KJ879458.1
RVA/Rat-wt/ITA/Rat14/2015/G3P3									KX398370.1		
RVA/Rhesus-tc/USA/TUCH/2002/G3P24	EF583010.1	EF583011.1	EF583012.1	FJ816611.1	FJ816612.1	EF583013.1	FJ816613.1	FJ816615.1	FJ816614.1	FJ816616.1	FJ816617.1
RVA/Sheep-wt/CHN/Lp14/xxxx/G10P15				L11599.1		L11595.1					
RVA/Shrew-wt/CHN/LW9/2013/G28P46	KU243542.1	KU243571.1	KU243598.1	KU243621.1	KU243377.1	KU243658.1	KU243457.1	KU243688.1	KU243430.1	KU243476.1	KU243505.2
RVA/Simian-tc/USA/RRV/1975/G3P3	EU636924.1	EU636925.1	EU636926.1	EU636927.1	EU636928.1	EU636929.1	EU636930.1	EU636932.1	EU636931.1	EU636933.1	EU636934.1
RVA/Simian-tc/USA/SA11g4O-5N/G3P1				EU636934.1							
RVA/Simian-tc/ZAF/SA11-H96/1958/G3P2	DQ838640.2	DQ838635.2	DQ838645.2	DQ841262.2	DQ838599.2	DQ838650.2	DQ838610.2	DQ838620.2	DQ838615.2	DQ838625.2	DQ838630.2
RVA/SugarGlider-tc/JPN/SG385/2012/G27P36	AB971760.1	AB971761.1	AB971762.1	AB971763.1	AB971766.1	AB971764.1	AB971768.1	AB971765.1	AB971767.1	AB971769.1	AB971770.1
RVA/Turkey-tc/DEU/03V0002E10/2003/G22P35				JX204825.1				JX204830.1			
RVA/Turkey-tc/IRL/Ty-1/1979/G17P38				LC088110.1				S58166.1			
RVA/Turkey-tc/IRL/Ty-3/1979/G7P35								LC088119.1			
RVA/VelvetScoter-tc/JPN/RK1/1989/G18P17					LC088102.1						
RVA/Vicuna-wt/ARG/C75/2010/G8P14										JX070055.1	

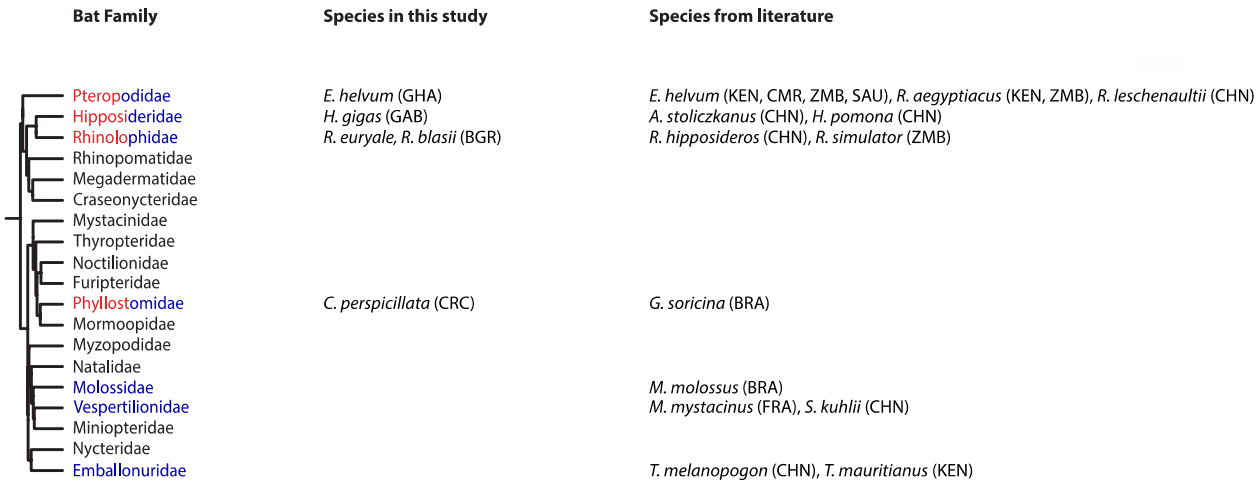

Figure S1. RVA-positive bat families and species. The RVA-positive bat families reported in the present study (red) and in literature (blue) are shown on the phylogenetic tree adapted from Simmons et al (2003). No RVA is reported in families in black. A family is accepted positive for the literature group if more than 1 RVA segment was submitted to GenBank. The corresponding bat species and the country of sample collection are also displayed. Country: GHA = Ghana, FRA = France, BRA = Brazil, ZMB = Zambia, SAU = Saudi Arabia, CRC = Costa Rica, KEN = Kenya, CHN = China, BGR = Bulgaria, GAB = Gabon

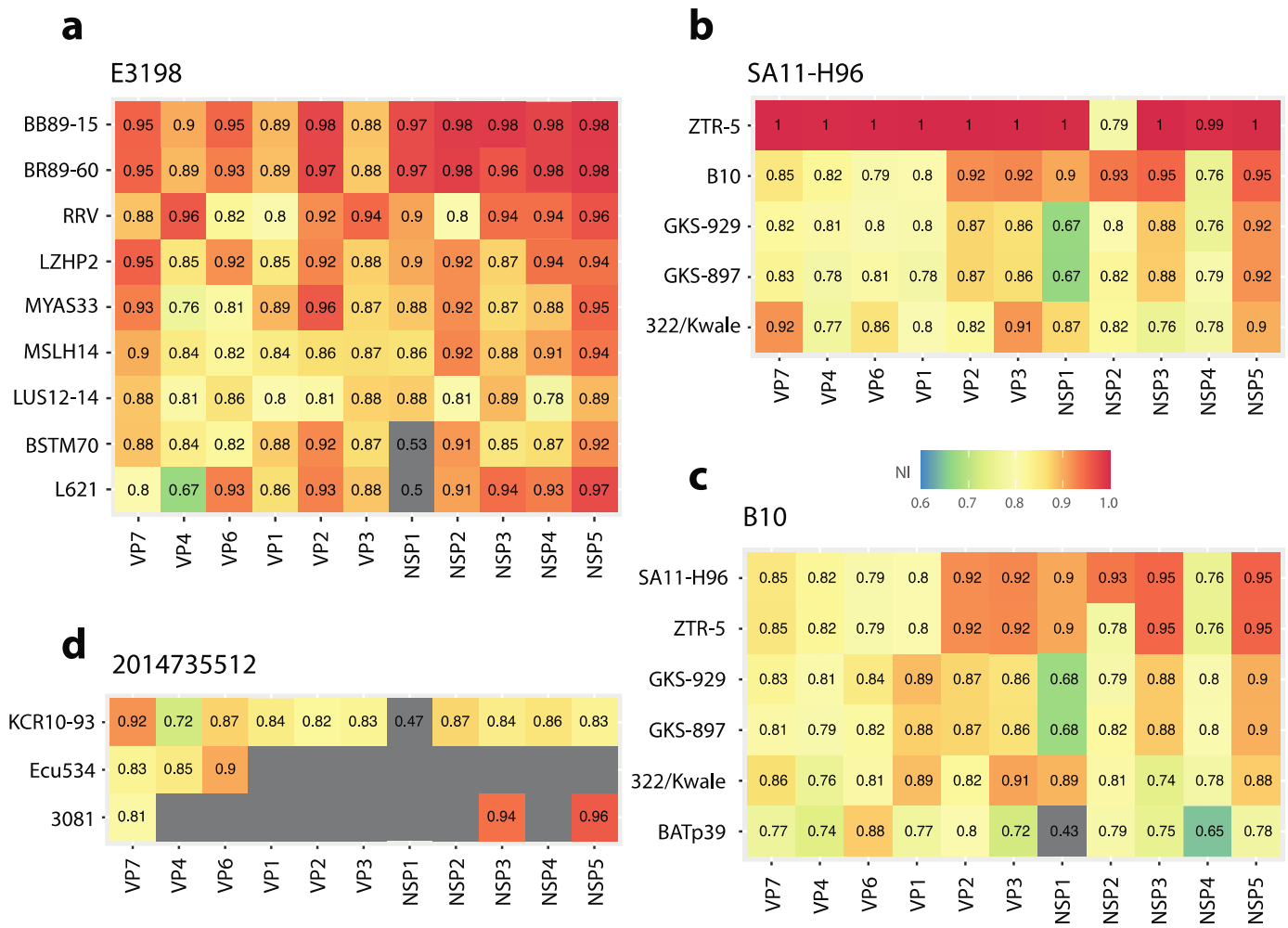

Figure S2. Heatmap of pairwise nucleotide identities (NI) of the unusual RVA strains: E3198 (a), SA11-H96 (b), B10 (c), 2014735512 (d). Grey colour indicates the nucleotide identities below 0.6 or lack of sequence information for the compared strain

Supplementary Material and Methods

Screening VP1-Consensus-PCR

25-µL SuperScript© III with Platinum© Taq DNA Polymerase One-Step RT-PCR reactions as described by the manufacturer (INVITROGEN, Karlsruhe, Germany) used 800 nM each of 1st-round primers, 1 µg bovine serum albumin, $MgSO_4$ up to a total concentration of 2.4 mM, plus 5 µL RNA extract. Amplification involved 30 min at 48°C; 3 min at 95°C; 10 cycles of 20 s at 95°C, 20 s starting at 60°C with a decrease of 1°C per cycle, and 35 s at 72°C; 40 cycles of 20 s at 95°C, 20 s at 50°C, and 35 s at 72°C; and a final elongation step of 2 min at 72°C. 50-µL Platinum Taq reactions as described by the manufacturer (INVITROGEN, Karlsruhe, Germany) used 2 µL of 1st-round PCR product, 2 mM $MgCl_2$ and 800 nM of 2nd-round forward primer and 400 nM of the reverse primer. Amplification involved 3 min at 95°C; 10 cycles of 15 s at 95°C, 15 s starting at 62°C with a decrease of 1°C per cycle, and 30 s at 72°C; 40 cycles 15s at 95°C, 15 s at 52°C and 30 s at 72°C; and a final elongation step of 2 min at 72°C. All PCR reactions were carried out in an Eppendorf Mastercycler ep gradient S (Eppendorf AG, Hamburg, Germany).