

Table S1. Oligonucleotides used in study. 5'-3' orientation

Name	Use	Sequence	Tm (C)
SUNV 243+	RT-PCR	CAGGCGGATGCAAAAGACGAC	59
SUNV 772+	sequencing	CATGCGATGGGGTCTTTCTTATTG	53.5
SUNV 1452+	sequencing	CCGAGAGGGGAGGTATCAAG	52.7
SUNV 3049+	RT-PCR	TGGCGTGCAAACAATCAATA	52.5
SUNV 3712+	sequencing	CAAGTTTGCCCATTTGATACTCTC	52.1
SUNV 4190+	sequencing	GAGGAACGCGATGTGAGGTCTGTC	60.8
SUNV 6062+	sequencing	GATCGCAATGGACTAGAAGAGAAATGG	59.5
SUNV 8110+	sequencing	CAGCCCATGGGAGAAAGAATCA	65
SUNV 8552+	RT-PCR	GTT CACCCCCTTCCCTTTACTCC	57.1
SUNV 8731+	sequencing	TGGCGAGCTTATCATTAGAGGTTCA	65
SUNV 9000+	RT-PCR	GATGCCCATCAGAAAAGACAAAG	57.8
SUNV 9677+	sequencing	GTAATGGGCCCCAGTTGCTATTT	65
SUNV 10273+	sequencing	GGTGTCCCCCGAGAAGTACTGATTC	58.3
SUNV 10660+	sequencing	GTAAAGGGAAGGGGGTGAACATC	60
SUNV 10938+	RACE/sequencing	CATCACAGGCCACGAAACAACCA	65
SUNV 463-	RACE/sequencing	GTCAAGGCAAGCCATTATTTTACAA	55.7
SUNV 1591-	sequencing	GCAGCGTCCCACCCTCGTT	59.5
SUNV 2680-	sequencing	ACCCGGCACCCATCCATTTAGA	61
SUNV 3428-	RT-PCR	TTCGCGGATAATGGTGAC	50
SUNV 4425-	sequencing	CACCGCATAATGACAGAAGCAGAC	57.6
SUNV 4969-	sequencing	ACTGGCCCCAATGTTTTATGT	52.6
SUNV 5665-	sequencing	TCTTTTTGGGCATTGTCACCTTGT	56.6
SUNV 6398-	RT-PCR	CCCATCACGCGGAATAAAGG	56.7
SUNV 8051-	sequencing	CATGGGCTGATTATGGATGTGC	56.6
SUNV 9037-	RT-PCR	GGGGGAATTCTATGAGGGTGTG	65
SUNV 1050 FWD	qRT-PCR	TTCGGGGACTATCAACATCAT	55
SUNV 1075 probe	qRT-PCR	FAM-AACGCAGGATTGTTGGCATTTCATAAT-BHQ1	65
SUNV 1200 REV	qRT-PCR	CACTACCCCCATTGTCAGAGTC	55
alpha 6999c1*	Rev Mix	AACATTCCGGATTTTCATCAT	use at 50
alpha 6999c2		AACATTCCGGACTTTCATCAT	
alpha 6999c3		AACATGCCTGATTTTCATCAT	
alpha6533f1	Fwd Mix	TTGCAGGAGATACCAATGGA	use at 50
alpha6533f2		CTGCAGGACATACCCATGGA	
alpha6533f3		CTACAAGAAGTGCCTATGGA	
alpha6533f4		CTACAGGAAGTGCCGATGGA	
alpha6533f5		CTGCAAGATATACCCATGGA	
alpha6533f6		CTTCAGGACATCCCGATGGA	
alpha6533f7		CTGCAAGAGGTACCCATGGA	

\*alpha mix primers designed by R. Lanciotti

Table S2. Conditions for cell maintenance

Type	Temp (C)	Media components <sup>1</sup>	Company
BHK, Vero, DF-1	37	1X DMEM <sup>2</sup> , FBS <sup>3</sup> (10%), pen-strep (1%)	Gibco/Invitrogen
HAE (CTVM)	32	1X DMEM/F12 (58 mL), L15 (29mL), tryptose phosphate broth (10 mL), FBS (2%), pen-strep (1%)	Invitrogen, Sigma, Atlas
Sua 4	28	Schneider's (97 mL), FBS (2%), pen-strep (1%)	Invitrogen, Atlas
AP-61	28	L15 (82 mL), tryptose-phosphate broth (15 mL), FBS (2%), pen-strep (1%)	Invitrogen, Sigma, Atlas
C6/36, <i>Cx. quinqs</i>	28	2X DMEM (50 mL), FBS (2%), sodium bicarbonate (7.5%), 1M HEPES (2 mL), 100X non-essential amino acids (1 mL), sterile di water (40 mL), 100 mM sodium pyruvate (1 mL), pen-strep (1 mL)	Gibco, Atlas

<sup>1</sup>Based on 100 mL

<sup>2</sup>Dulbecco's Minimal Essential Media

<sup>3</sup>Fetal bovine serum

Figure 2 Supplement: Abbreviations and accession numbers for viruses used in the phylogenetic trees

ARV, Adelaide River virus (N: Q65111; L: AAG10421); ALMV, Almpiwar virus (L: AAZ43273); ARAV, Aravan virus (N: Q6X1D8; L: ABV03822); ABLV Australian bat lyssavirus (N: AAD01267; L: NP\_487343); BASV, Bas-Congo virus (N: AFS65337; L: AGS65335); BYSMV, Barley yellow striate mosaic virus (L: ACT21686); BBOV, Bimbo virus (L: ADK66253); BTKV, Boteke virus (L: ADK66251); BEFV, Bovine ephemeral fever virus (N: NP\_065398; L: NP\_065409); CHPV, Chandipura virus (N: P11211; L: P13179); COCV, Cocal virus (N: ACB47434; L: ACB47438); DAffSV, *Drosophila affinis* sigmavirus (GQ410980); DObsSV, *Drosophila obscura* sigma virus (GQ410979); DURV, Durham virus (FJ952155); DUVV, Duvenhage virus (N: Q66453; L: ABZ81216); EBLV-1, European bat lyssavirus (N: AAX62875; L: ABZ81181); FLAV, Flanders virus (N: AAN73283; L: AAN73288); FUKV, Fukuoka virus (L: AAZ43279); GARV, Garba virus (L: ADK66255); HIRRV, Hirame rhabdovirus (N: ACO87995; L: NP\_919035); IRKV, Irkut virus (N: Q5VKP6; L: ABV03823); ISFV, Isfahan virus (N: Q5K2K7; L: Q5K2K3); KCV, Kern Canyon virus (N: ABE69215; L: HQ207197); KHUV, Khujand virus (N: Q6X1D4; L: ABV03824); KOLV, Kolongo virus (N: ABE69214); KOTV, Kotonkon virus (N: ABE69213; L: AAZ43267); LDV, Le Dantec virus (L: AAZ43278); MOKV, Mokola virus (N: YP\_142350; L: ABZ81211); MOUV, Moussa virus (N: ACZ81403; L: ACZ81402); NASV, Nasoule virus (L: GU816017); NGAV, Ngaingan virus (L: AAZ43277); OVRV, Oak-Vale virus (N: AEJ07651; L: AEJ07657.1); OBOV, Obodhiang virus (N: ABE69212); OITAV, Oita rhabdovirus (N: BAD13431); OUAV, Ouango virus (L: ADK66252); PRV, Perch rhabdovirus (N: NC\_020803; L: NC\_020803); PERV, Perinet virus (L: AAZ43280); PFRV, Pike fry rhabdovirus (N: FJ872827; L: FJ872827); RABV, Rabies virus (N: ACN51666; L: Q66T60); SJAV, Sandjimba virus (N: ABE69216); STRV, Sea Trout rhabdovirus (N: AF434992); SIGMAV, Sigma virus (N: ACV67011; L: ACU65438); SVSV, Spring viremia of carp virus (N: U18101; L: U18101); SUNV, Sunguru virus (KF395226); TIBV, Tibrogargan virus (L: AAZ43274); TUPV, Tupaia rhabdovirus (N: YP\_238528; L: YP\_238534); VSINV, Vesicular stomatitis Indiana virus (N: P11212; L: NP\_041716); VSNNJ, Vesicular stomatitis New Jersey virus (N: P04881; L: P16379); WONV, Wongabel virus (N: YP\_002333271; L: AAZ43276).