

**Table S2** RABV sequences used for phylogenetic analysis with African civet sequences (Figure 2). All are complete N gene sequences unless indicated otherwise. Sequences used in Figure 3 Bayesian host trait analysis are underlined.

GenBank ID	Original ID	Country	Host	Year Isolated	RABV Variant
<u>AB284514</u>	ZAMRAV23/04	Zambia	Dog	2004	Africa 1 Canid
<u>AF467949</u>	710/90	RSA	<i>Cynictis penicillata</i>	1990	Africa 3 Mongoose
<u>DQ837461</u>	S1-81	Egypt	Dog	1999	Africa 4
<u>DQ837462</u>	S2-81	Egypt	Dog	1999	Africa 4
<u>DQ837463</u>	S3-81	Egypt	Dog	1999	Africa 4
EU718759	Chad_71_164	Chad	Dog	2005	Africa 2
<u>EU853569</u>	9016MAR	Morocco	Dog	1990	Africa 2
EU835375		Tunisia	Human	1986	Africa 2
<u>EU853581</u>	8808ETH	Ethiopia	Dog	1988	Africa 1 Canid
<u>EU853586</u>	07128RCA	CAR	Dog	2003	Africa 2
<u>FJ392366</u>	19-92	RSA	Mongoose	1992	Africa 3 Mongoose
<u>FJ392367</u>	22107	Zim	Slender Mongoose	2001	Africa 3 Mongoose
FJ392368	23-01	RSA	Meerkat	2001	Africa 3 Mongoose
<u>FJ392369</u>	28-00	RSA	Slender Mongoose	2000	Africa 3 Mongoose
FJ392370	30-00	RSA	Bovine	2000	Africa 3

					Mongoose
<u>FJ392371</u>	32-02	RSA	Yellow Mongoose	2002	Africa 3 Mongoose
<u>FJ392372</u>	113-91	RSA	<i>Atilux paludinosus</i>	1991	Africa 3 Mongoose
<u>FJ392373</u>	155-03	RSA	Slender Mongoose	2003	Africa 3 Mongoose
<u>FJ392374</u>	211-98	RSA	Canine	1998	Africa 3 Mongoose
<u>FJ392375</u>	221-98	RSA	<i>Suricata suricatta</i>	1998	Africa 3 Mongoose
FJ392376	228-01	RSA	Sheep	2001	Africa 3 Mongoose
<u>FJ392377</u>	279-99	RSA	Yellow Mongoose	1999	Africa 3 Mongoose
<u>FJ392378</u>	344-99	RSA	Yellow Mongoose	1999	Africa 3 Mongoose
<u>FJ392379</u>	364-96	RSA	Mongoose	1996	Africa 3 Mongoose
<u>FJ392380</u>	381-06	RSA	Yellow Mongoose	2006	Africa 3 Mongoose
<u>FJ392381</u>	385-06	RSA	Dog	2006	Africa 3 Mongoose
FJ392382	389-02	RSA	Black Footed Cat	2002	Africa 3 Mongoose
<u>FJ392383</u>	420-90	RSA	Yellow Mongoose	1990	Africa 3 Mongoose
FJ392384	485-94	RSA	<i>Suricata suricatta</i>	1994	Africa 3 Mongoose

<u>FJ392385</u>	669-90	RSA	Yellow Mongoose	1990	Africa 3 Mongoose
FJ392386	718-98	RSA	<i>Genetta genetta</i>	1998	Africa 3 Mongoose
FJ392387	759-96	RSA	Cat	1996	Africa 3 Mongoose
<u>FJ392388</u>	767-95	RSA	Yellow Mongoose	1995	Africa 3 Mongoose
<u>FJ392389</u>	878-92	RSA	Mar Mongoose	1992	Africa 3 Mongoose
FJ392390	926-93	RSA	<i>Suricata suricatta</i>	1993	Africa 3 Mongoose
<u>GU992322</u>	93128MAR	Morocco	Dog	1993	Africa 2
<u>HM179504</u>	262-06	RSA	Dog	2006	Africa 1 Canid
<u>HM179505</u>	567-04	RSA	Dog	2004	Africa 1 Canid
<u>HM179506</u>	479-96	RSA	Dog	1996	Africa 1 Canid
<u>HM179507</u>	819-05	RSA	Black-backed Jackal	2005	Africa 1 Canid
<u>HM179508</u>	31-05	RSA	Bat Eared Fox	2005	Africa 1 Canid
JQ692981	06-06	RSA	Sheep	2006	Africa 3 Mongoose
JQ692982	06-07	RSA	Cow	2007	Africa 3 Mongoose
<u>JQ692983</u>	116-08	RSA	Yellow Mongoose	2008	Africa 3

					Mongoose
<u>JQ692984</u>	131-08	RSA	Slender Mongoose	2008	Africa 3 Mongoose
JQ692985	18-06	RSA	African Wildcat	2006	Africa 3 Mongoose
<u>JQ692986</u>	200-06	RSA	<i>Garelella pulverulenta</i>	2006	Africa 3 Mongoose
JQ692987	27-08	RSA	Bovine	2008	Africa 3 Mongoose
JQ692988	456-06	RSA	African Wildcat	2006	Africa 3 Mongoose
JQ692989	50-06	RSA	Bovine	2006	Africa 3 Mongoose
<u>JQ692990</u>	57-06	RSA	Yellow Mongoose	2006	Africa 3 Mongoose
<u>JQ692991</u>	956-06	RSA	Dog	2006	Africa 3 Mongoose
<u>JQ692992</u>	265-06	RSA	Yellow Mongoose	2006	Africa 3 Mongoose
<u>JQ692993</u>	418-06	RSA	Yellow Mongoose	2006	Africa 3 Mongoose
<u>JQ692994</u>	696-06	RSA	Yellow Mongoose	2006	Africa 3 Mongoose
<u>JQ692995</u>	257-05	RSA	Yellow Mongoose	2005	Africa 3 Mongoose
JQ692996	13-07	RSA	African Wildcat	2007	Africa 3 Mongoose
JX088728	28-06	RSA	Bovine	2006	Africa 3 Mongoose

JX088729	235-07	RSA	Bovine	2007	Africa 3 Mongoose
JX088730	397-07	RSA	Bovine	2007	Africa 3 Mongoose
<u>JX088731</u>	416-07	RSA	Slender Mongoose	2007	Mongoose
JX088732	584-06	RSA	African Wildcat	2006	Africa 3 Mongoose
<u>JX473838</u>	178J09	Namibia	Jackal	2009	Africa 1 Canid
<u>KY553268</u> KY553279 (G) AY605016 (GL)	20607	Zimbabwe	Mongoose	1992	Africa 1 Canid
KY553272	RV589	Zimbabwe	Honey Badger	1991	Africa 1
<u>KY563717</u> KY563715 G AF177070 (GL)	22547	Zimbabwe	Dog	1994	Africa 1 Canid
U22488	8670NGA	Nigeria	Human	1983	Africa 1b
U22485	8697BEN	Benin	Cat	1986	Africa 2
U22628	1500AFS	RSA	Yellow mongoose	1987	Africa 3
U22633	8721AFS	RSA	human	1981	Africa 1b
U22634	8801CAM	Cameroon	Dog	1987	Africa 2
U22640	9012NIG	Niger	Dog	1990	Africa 2
This study genome DQ489796 (N) DQ431318 (GL)	806/99 (RV1435)	RSA	Bat-eared Fox	1999	Africa 1 Clade 2iii
This study	548/00	RSA	Bat-eared Fox	2000	Africa 1

genome DQ489807 (N) DQ431368 (GL)	(RV1448)				Clade 1
This study genome DQ489810 (N) DQ431353 (GL)	681/00 (RV1451)	RSA	Bat-eared Fox	2000	Africa 1 Clade 2iv
This study genome DQ489814 (N) DQ431282 (GL)	346/00 (RV1455)	RSA	Bat-eared Fox	2000	Africa 1 Clade 2ii
This study genome DQ489826 (N) DQ431308 (GL)	312/03 (RV1476)	RSA	Bat-eared Fox	2003	Africa 1 Clade 2i
This study genome DQ489828 (N) DQ431340 (GL)	476/03 (RV1480)	RSA	Bat-eared Fox	2003	Africa 1 Clade 2ii
This study genome DQ194887 (N) DQ431325 (GL)	NBA5 (RV1829)	Namibia	Black-backed Jackal	2000	Africa 1 Clade 2iv
This study genome DQ194861 (N) DQ431316 (GL)	773/95 (RV1869)	RSA	Black-backed Jackal	1995	Africa 1 Clade 2iii