

**S1 Table. Details of rabies virus sequences used for primer and probe design for the RT-RPA assay**

Genbank accession number	Year	Country	Host	Clade
EU853612	2007	Mali	Dog	Africa 2
EU853615	2007	Ivory Coast	Dog	Africa 2
EU478515	2007	Burkina Faso	Dog	Africa 2
EU853637	2003	Senegal	Human	Africa 2
EU853651	2004	Central African Republic	Dog	Africa 2
EU853591	2008	Gambia	Dog	Africa 2
EU478515	2007	Burkina Faso	Dog	Africa 2
EU853637	2003	Senegal	Human	Africa 2
EU853612	2007	Mali	Dog	Africa 2
EU853591	2008	Gambia	Dog	Africa 2
EU718735	2005	Chad	NA	Africa 2
U22485	1985	Benin	Cat	Africa 2
U22486	1986	Burkina Faso	Dog	Africa 2
U22489	1986	Mauritania	Camel	Africa 2
U22635	1988	Cameroon	Cat	Africa 2
U22641	1990	Guinea	Dog	Africa 2
U22644	1992	Chad	Dog	Africa 2
U22652	1992	Ivory Coast	Dog	Africa 2
FJ392369	2000	South Africa	Slender mongoose	Africa 3
FJ392370	2000	South Africa	Cattle	Africa 3
FJ392376	2001	South Africa	Sheep	Africa 3
FJ392367	2001	South Africa	Cat	Africa 3

FJ392368	2001	South Africa	Suricate	Africa 3
FJ392382	2002	South Africa	Black-footed cat	Africa 3
FJ392380	2006	South Africa	Yellow mongoose	Africa 3
FJ392381	2006	South Africa	Dog	Africa 3
FJ392388	1995	South Africa	Yellow mongoose	Africa 3
FJ392379	1996	South Africa	Yellow mongoose	Africa 3
FJ392367	2001	South Africa	Feline	Africa 3
FJ392368	2001	South Africa	Suricate	Africa 3
FJ392369	2000	South Africa	Slender mongoose	Africa 3
FJ392370	2000	South Africa	Bovine	Africa 3
FJ392371	2002	South Africa	Yellow mongoose	Africa 3
FJ392373	2003	South Africa	Slender mongoose	Africa 3
FJ392385	1990	South Africa	Yellow mongoose	Africa 3
JX088729	2007	South Africa	Bovine	Africa 3
JX088730	2007	South Africa	Bovine	Africa 3
JX088731	2007	South Africa	Slender mongoose	Africa 3
JX088732	2006	South Africa	Wildcat	Africa 3
JX987743	2011	Nepal	Dog	Arctic-related
GU371902	2009	India	Dog	Arctic-related
AY352462	1998	Russia	Human	Arctic-related
AY352486	1995	Russia	Wolf	Arctic-related
AY730597	2004	South Korea	Dog	Arctic-related
EU086198	1998	Nepal	Mongoose	Arctic-related
U22654	1981	Greenland	Arctic fox	Arctic-related
EU086209	2001	Vietnam	Dog	Asian

EU086194	2002	Laos	Dog	Asian
GQ303555	2009	Thailand	Human	Asian
JQ040599	2010	China	Dog	Asian
JX276406	2011	China	Dog	Asian
EU159363	2004	China	Dog	Asian
FJ719751	2008	China	Ferret badger	Asian
EU086166	1999	Myanmar	Dog	Asian
EU086168	1998	Cambodia	Dog	Asian
EU086172	1998	Cambodia	Dog	Asian
EU086173	1998	China	Dog	Asian
EU086186	2005	China	Dog	Asian
EU086192	2003	Indonesia	Dog	Asian
EU086205	2004	Philippines	Human	Asian
EU086208	1983	Thailand	Human	Asian
EU086210	2001	Viet Nam	Dog	Asian
FJ228493	2003	Mexico	Vampire bat	Bat
KC758860	1996	Argentina	Vampire bat	Bat
FJ228492	2002	El Salvador	Human	Bat
JF693469	2002	Colombia	Vampire bat	Bat
JF693475	1995	Colombia	Vampire bat	Bat
EF363733	2005	Brazil	Human	Bat
EU886635	2005	Germany	Red fox	Cosmopolitan
EU038107	2005	Nigeria	Dog	Cosmopolitan
FJ561731	2008	China	Dog	Cosmopolitan
KJ744305	2011	South Africa	Dog	Cosmopolitan

KJ744310	2011	South Africa	Domestic dog	Cosmopolitan
KJ744309	2010	South Africa	Goat	Cosmopolitan
JF747613	2008	South Africa	Domestic dog	Cosmopolitan
JF747614	2008	South Africa	Domestic dog	Cosmopolitan
HM179504	2006	South Africa	Domestic dog	Cosmopolitan
HM179507	2005	South Africa	Black-backed jackal	Cosmopolitan
HM179508	2005	South Africa	Bat-eared fox	Cosmopolitan
KT336432	2012	South Africa	Dog	Cosmopolitan
KT336436	2012	South Africa	Dog	Cosmopolitan
KT336437	2012	South Africa	Dog	Cosmopolitan
AF033905	1996	France	Sheep	Cosmopolitan
U22841	1991	Mexico	Human	Cosmopolitan
U42702	1991	Germany	Red fox	Cosmopolitan
U42705	1981	Serbia	Cattle	Cosmopolitan
U42706	1986	Bosnia	Red fox	Cosmopolitan
U43025	1991	Hungary	Human	Cosmopolitan
U43432	1991	Estonia	Raccoon dog	Cosmopolitan
HM179505	2004	South Africa	Domestic dog	Cosmopolitan
AB517659	2003	Brazil	Domestic dog	Cosmopolitan
AB517660	2001	Brazil	Fox	Cosmopolitan
HQ450386	NA	Mexico	Dog	Cosmopolitan
U22483	1987	Iran	Wolf	Cosmopolitan
U22484	1986	Mozambique	Dog	Cosmopolitan
U22627	1979	Egypt	Human	Cosmopolitan
U22629	1986	Gabon	Dog	Cosmopolitan

U22839	1972	Yugoslavia	Fox	Cosmopolitan
U22638	1979	Zaire	Dog	Cosmopolitan
U22642	1990	Morocco	Human	Cosmopolitan
U22643	1982	Algeria	Dog	Cosmopolitan
U22645	1992	Tanzania	Dog	Cosmopolitan
U22649	1992	Namibia	Jackal	Cosmopolitan
U22650	1992	Central African Republic	Dog	Cosmopolitan
JX944569	2009	Nepal	Cattle	Indian subcontinent
JX944597	2009	Nepal	Dog	Indian subcontinent
AY138550	2001	Sri Lanka	Cattle	Indian subcontinent
AY138550	2001	Sri Lanka	Bovine	Indian subcontinent