

Table S1. West Nile virus (WNV) sequences from GenBank used for computational analysis, with associated countries of origin, isolation year, host, and GenBank accession number.

Country	Year	Strain	Lineage	Host	Accession No.
Argentina	2006	ArEq001	1a	Horse	GQ379160
Australia	2011	K74015	1b	Mosquito	KT934801
Australia	1965	Kunjin	1b	Bird	KX394410
Australia	2011	V11-07	1b	Horse	JX123031
Austria	2008	Austria-2008	2	Bird	KF179640
Austria	2011	Berliner	2	Bird	KP780839
Austria	2008	Sepperl	2	Bird	KP780837
Austria	2013	Uu-LN-AT	4c	Mosquito	KJ831223
Azerbaijan	1967	LEIV-1628Az	1a	Bird	JX041629
Azerbaijan	1970	LEIV-72Az	1a	Tick	JX041628
Bulgaria	2015	Sofia	2	Human	KU206781
CAR*	1982	ArB3573	2	Tick	DQ318020
Cyprus	1968	Q3574	2	Not available	GQ903680
Czech Rep	2013	CZ13-104	2	Mosquito	KM203860
Czech Rep	2013	Cz13-329	2	Mosquito	KM203861
Czech Rep	2013	Cz13-479	2	Mosquito	KM203862
Czech Rep	1997	Rabensburg	3	Mosquito	AY765264
DRC**	1958	DRC	2	Not available	HM147824
Egypt	1951	Eg101	1a	Human	AF260968
Ethiopia	1976	EthAn4766	1a	Not available	AY603654
France	2004	407-04	1a	Bird	DQ786573
Greece	2010	Nea Santa	2	Mosquito	HQ537483
Greece	2013	Kavala2	2	Human	KJ883348
Greece	2013	Thessaloniki4	2	Human	KJ883346
Greece	2013	Xanthi3	2	Mosquito	KJ883345
Hungary	2010	578-10	2	Horse	KC496015
Hungary	2003	Goose-Hungary-03	1a	Bird	DQ118127
Hungary	2004	Goshawk	2	Bird	DQ116961
Hungary	2014	hun	2	Human	KT359349
India	1980	804994	1c	Human	DQ256376
Iran	2009	Iran-WNV	2	Human	KJ486150
Iran	2015	SepidRiver	2	Mosquito	MF462262
Israel	2005	Sarafend	2	Not available	AY688948
Israel	2000	ISR00	2	Human	HM152775
Italy	2014	Cremona4	2	Human	KP789957
Italy	2009	Ita09	1a	Human	GU011992
Italy	2011	Livenza	1a	Human	JQ928174
Italy	2013	Mantova	2	Human	KP789960
Italy	2013	Padova34	2	Human	KF647251
Italy	2011	AN-2	2	Human	JN858070
Madagascar	1978	AnMg798	2	Bird	DQ176636
Madagascar	1988	Madagascar	1a	Not available	HM147823
Malaysia	1966	Kunjin- Sarawak	5	Mosquito	L49311
Morocco	2003	04.05	1a	Horse	AY701413
Nigeria	1965	IBAN7019	1a	Not available	GQ851607
Romania	2013	Hyalomma	2	Tick	KJ934710
Romania	1996	RO97-50	1a	Mosquito	AF260969
Russia	1998	LEIV-Krnd88-190	4a	Tick	AY277251
Russia	2000	LEIV-Vlg00-27924	1a	Human	AY278442
Russia	2007	Reb-VLG	2	Human	FJ425721
S.Africa	1977	349-77	1a	Horse	KM052152
S.Africa	1958	H442/high	2	Human	EF429200
S.Africa	2008	HS101	2	Horse	JN393308
S.Africa	2000	SA381/less	2	Human	EF429199
S.Africa	2001	SA93/01/high	2	Human	EF429198
S.Africa	1958	SA	2	Not available	HM147822
S.Africa	1989	SA	2	Human	EF429197
Senegal	1979	ArD27875	1a	Not available	GQ851606
Senegal	1968	Koutango-DakAaD	6	Mosquito	L48980

Senegal	1990	ArD76104	2	Mosquito	DQ318019
Serbia	2012	Sad12	2	Bird	KC407673
Serbia	2013	Vojvodina	2	Mosquito	KT757320
Serbia	2013	Vojvodina	2	Mosquito	KT757322
Serbia	2013	Vojvodina	2	Mosquito	KT757323
Spain	2010	H-1b	1a	Horse	JF719069
Spain	2006	HU2925	4b	Mosquito	GU047875
Spain	2008	HU6365-08	1a	Mosquito	JF707789
Turkey	2011	T2	1a	Horse	KJ958922
Uganda	1937	B956	2	Human	AY532665
Ukraine	1980	LEIV-3266Ukr	2	Bird	JX041631
USA	2002	TX.2002	1a	Human	DQ164205

* CAR: Central African Republic; ** DRC: Democratic Republic of Congo.