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Electronic Supplementary Material

Recovery and Genetic Characterization of a West Nile Virus Isolate from China

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Table S1. Strains of WNV used for phylogenetic analyses.

Accession NO.	Virus name	Geographic origin	Year	Abbreviation of country
AF481864	IS-98 STD1	Israel	1998	IL
AF196835	NY99-flamingo382-99	USA	1999	US
GQ851602	MRM16	Australia	1960	AU
JX123031	V11-07	Australia	2011	AU
KT934797	Hu6774	Australia	1991	AU
KP780840	Tammy	Austria	2014	AT
JX041628	LEIV-72Az	Azerbaijan	1970	AZ
JX442279	XJ11129	China	2011	CN
KM203863	Cz 13-502	Czech Republic	2013	CZ
AY765264	97-103	Czech Republic	1997	CZ
KF179639	Greece/2012/Kavala/39.1	Greece	2012	GR
GQ851605	G16146	India	1957	IN
KT163243	68856-ICDC-4	India	2015	IN
KC601756	1048813	India	3-Jul	IN
HM152775	WNV_0304h_ISR00	Israel	2000	IL
KT207791	792/14	Italy	2014	IT
JN858069	Italy/2011/AN-1	Italy	2011	IT
KF647253	Italy/2013/Livenza/35.1	Italy	2013	IT
FJ483549	15803	Italy	2008	IT
JF719068	Italy/2009/J-225677	Italy	2009	IT
HM147823	No name	Madagascar	1988	MG
GQ851607	IBAN7019	Nigeria	1965	NG
AY277251	LEIV-Krnd88-190	Russia	1998	RU
JX041634	Ast-986	Russia	1999	RU
KY703856	ArD94343/1992/SN	Senegal	1992	SN
KY703855	ArD96655/1993/SN	Senegal	1993	SN
KY703854	ArD76986/1990/SN	Senegal	1990	SN
FJ766331	GE-1b/B	Spain	2007	ES

Table S2. Primers for GA amplification in this study

Primer name	Sequence (5`-3`)[a]	Description
XJ-1-4031_fwd	AGTAGTTCGCCTGTGTGAGC	F1
XJ-1-4031_rev	aagcatctcaGCCCGGGAGTTAGCAGGG	
XJ-4012-8340_fwd	actcccgggcTGAGATGCTTGAATCTGGATG	F2
XJ-4012-8340_rev	atacatctcgTGCGTGGAATTCCGTGAG	
XJ8321-11029_fwd	attccacgcaCGAGATGTATTGGGTAAGTCG	F3
XJ8321-11029_rev	atgccgacccAGATCCTGTGTTCTCGCAC	
CMV-VECTOR- fwd	cacaggatctGGGTCGGCATGGCATCTC	Verctor
CMV-VECTOR- rev	gctcacacaggcgaactACTGAGCTCTGCTTATATAGACCTCCC	

[a] Overlapping sequences are highlighted with capital letters

Table S3. Primers for sequencing.

Name	Position	Sequence(5`-3`)
F1N	1-29	AGTAGTTCGCCTGTGTGAGCTGACAAACT
F2N	841-870	TCATGGATCTTGAGGAACCCTGGATATGCC
F3N	1616-1640	GGTTCATGGATCTCAACCTCCCCTG
F4N	2434-2457	GGAGTTCTGCTCTTCCTCTCCGTG
F5N	3210-3237	GGCGGGACCACGGAGCAACCACAATCGG
F6N	4028-4054	GCTTGAATCTGGATGTGTACAGGATCC
F7N	4823-4850	GTGTCAAGGAGGATCGACTTTGTTACGG
F8N	5633-5659	CGGATCGGGCTTGGAACTCTGGATACG
F9N	6435-6458	AAAGGCGTTCAAGGACTTTGCTTC
F10N	7270-7292	TTTTGCCACTATGCCTACATGGT
F11N	8037-8056	TGGATGGAACATTGTCACCATGA
F12N	8857-8881	CCCAGAATGTGCTCTCGAGAGGAAT
F13N	9669-9697	GGCTGTCAGCGGAGATGACTGTGTGGTAA
F14N	10381-10405	GAGGACACAGTACTGTAAATATTTT
R1N	995-1019	GCTCCAGATACTCCCTCTAAGAAGT
R2N	1806-1836	CACTCTACACTTCAAATGACCCGAAGTCAAC
R3N	2605-2636	CCGCACACTCCTTCCTTATGAGCTTTTTGAAT
R4N	3418-3442	TCTGGTAGCGCAATGGTGGTAAGGT
R5N	4222-4248	AGCTGTCATCACTTCAGTTGCGGGCCA
R6N	5004-5032	CCACTATCGGTGAGCCTGATGTTCCAGTG
R7N	5839-5870	GCCTTGAAGTTAGCCCCCATTTCAGATATGTC
R8N	6609-6636	CAAGGCAATTGTCTGAAGAGCATCTGGC
R9N	7424-7447	GCATGATTTGTCCAACTTTCTTCT
R10N	8213-8237	GGGCAGAGCACCTTCACACAAAATT
R11N	9025-9052	CCATCATGTTGTAAATGCAAGTGTGACA
R12N	9809-9836	GTGAAATGGTTTGAGCAGAATGGAACCT
R13N	10370-10395	CAGTACTGTGTCCTCAACCAAAGTTG
R14N	10996-11029	AGATCCTGTGTTCTCGCACCACCAGCCACCATTG