

SUPPLEMENTAL TABLE 1
Information of DENV-1 sequences used in phylogenetic analysis

DENVs strain in this study	GenBank accession number	Strain	Genotype
EU448401/Indonesia/2007	EU448401	DENV-1/ID/0705aTw/2007	I
FJ158609/China/2007	FJ158609	DENV-1/CN/D07037/2007	I
FJ687478/Korea/2008	FJ687478	DENV-1/KR/DenKor-12/2008	I
KM204119/United States/1944	KM204119	DENV-1/US/Hawaii1/1944	I
EU848545/United States/1944	EU848545	DENV-1/US/Hawaii/1944	I
AB074760/Japan/1943	AB074760	DENV-1/JP/Mochizuki/1943	I
KM216689/Indonesia/2011	KM216689	DENV-1/ID/Bali_071/2011	I
JF967947/Indonesia/2010	JF967947	DENV-1/ID/1011bTw/2010	I
JF967825/Indonesia/2008	JF967825	DENV-1/ID/0808aTw/2008	I
AF425629/Thailand/1983	AF425629	DENV-1/TH/2543-63/1983	II
AF180817/Thailand/1964	AF180817	DENV-1/TH/16007/1964	II
KCS589010/Indonesia/2012	KCS589010	DENV-1/ID/SMG-SE003/2012	II
JQ922547/Thailand/1960	JQ922547	DENV-1/TH/606147/1960	II
EF457905/Myanmar/1972	EF457905	DENV-1/MY/P72-1244/1972	III
FN825674/Myanmar/2005	FN825674	DENV-1/MY/36046/2005	III
EU448403/Vietnam/2006	EU448403	DENV-1/VN/612aTw/2006	IV
EU448405/Philippines/2007	EU448405	DENV-1/PH/0706aTw/2007	IV
JF967938/Philippines/2010	JF967938	DENV-1/PH/1009cTw/2010	IV
JN415516/Philippines/2005	JN415516	DENV-1/PH/Philippines/2005	IV
EU448406/Philippines/2003	EU448406	DENV-1/PH/0301aTw/2003	IV
KM279411/Mexico/2012	KM279411	DENV-1/MX/DB137/2012	V
DQ016656/Nicaragua/1996	DQ016656	DENV-1/NI/NI04VI04/1996	V
KF973473/Nicaragua/2012	KF973473	DENV-1/NI/BID-V7691/2012	V
JX891660/El Salvador/2012	JX891660	DENV-1/SV/DB109/2012	V
JF937635/Nicaragua/2009	JF937635	DENV-1/NI/BID-V5504/2009	V
GU131970/Mexico/2007	GU131970	DENV-1/MX/BID-V3703/2007	V
GQ868499/Mexico/2006	GQ868499	DENV-1/MX/BID-V3664/2006	V
GQ199858/Nicaragua/2008	GQ199858	DENV-1/NI/BID-V2646/2008	V
GQ199857/Nicaragua/2008	GQ199857	DENV-1/NI/BID-V2645/2008	V
FJ898433/Nicaragua/2007	FJ898433	DENV-1/NI/BID-V1223/2007	V
FJ639735/Venezuela/1997	FJ639735	DENV-1/VE/BID-V2162/1997	V
FJ410188/United States/1996	FJ410188	DENV-1/US/BID-V2139/1996	V
AY153755/Costa Rica/1993	AY153755	DENV-1/CR/cesara1/1993	V
FJ562104/Nicaragua/2006	FJ562104	DENV-1/NI/BID-V2343/2006	V
FJ547088/Nicaragua/2008	FJ547088	DENV-1/NI/BID-V2330/2008	V
KF973459/Nicaragua/2011	KF973459	DENV-1/NI/BID-V7659/2011	V
KF973471/Nicaragua/2012	KF973471	DENV-1/NI/BID-V7686/2012	V
KF973453/Nicaragua/2011	KF973453	DENV-1/NI/BID-V7640/2011	V
KF973470/Nicaragua/2012	KF973470	DENV-1/NI/BID-V7685/2012	V
KF973464/Nicaragua/2012	KF973464	DENV-1/NI/BID-V7677/2012	V
JN819403/Nicaragua/2006	JN819403	DENV-1/NI/BID-V746/2006	V
JQ425061/United States/2009	JQ425061	DENV-1/US/DB072/2009	V
KJ415092/China/2013	KJ415092	DENV-1/CN/ZJ/01/2013	V
JQ675358/United States/2010	JQ675358	DENV-1/US/BOL-KW010/2010	V
JF519855/United States/2010	JF519855	DENV-1/US/KW10AG/2010	V
JQ425068/United States/2009	JQ425068	DENV-1/US/DB079/2009	V
JQ425069/United States/2010	JQ425069	DENV-1/US/DB080/2010	V
JQ425063/United States/2009	JQ425063	DENV-1/US/DB074/2009	V
GQ199872/Nicaragua/2004	GQ199872	DENV-1/NI/BID-V617/2004	V
GU131966/Mexico/2007	GU131966	DENV-1/MX/BID-V3679/2007	V
KF955433/Mexico/2008	KF955433	DENV-1/MX/BID-V3751/2008	V
KF955419/Mexico/2007	KF955419	DENV-1/MX/BID-V3674/2007	V
KJ189319/Mexico/2007	KJ189319	DENV-1/MX/BID-V7580/2007	V
JQ425062/United States/2009	JQ425062	DENV-1/US/DB073/2009	V
KF973463/Nicaragua/2012	KF973463	DENV-1/NI/BID-V7676/2012	V
KF973475/Nicaragua/2012	KF973475	DENV-1/NI/BID-V7696/2012	V
KF973467/Nicaragua/2012	KF973467	DENV-1/NI/BID-V7681/2012	V
KF973466/Nicaragua/2012	KF973466	DENV-1/NI/BID-V7680/2012	V
AY153756/Costa Rica/1993	AY153756	DENV-1/CR/cesara13/1993	V
AY153757/Costa Rica/1993	AY153757	DENV-1/CR/cesara12/1993	V
JQ045564/United States/2010	JQ045564	DENV-1/US/ARC-39-10/2010	V
JF804016/Costa Rica/2005	JF804016	DENV-1/CR/DB003/2005	V
FJ850113/Nicaragua/2005	FJ850113	DENV-1/NI/BID-V536/2005	V
EU482615/Nicaragua/2005	EU482615	DENV-1/NI/BID-V1069/2005	V
KF955417/Mexico/2006	KF955417	DENV-1/MX/BID-V3663/2006	V
KJ189317/Mexico/2007	KJ189317	DENV-1/MX/BID-V7572/2007	V
GU131963/Mexico/2007	GU131963	DENV-1/MX/BID-V4671/2007	V
DQ016657/Nicaragua/2003	DQ016657	DENV-1/NI/CNM436VI03/2003	V
HM171558/Mexico/2006	HM171558	DENV-1/MX/Veracruz/23/2006	V
KF955403/Nicaragua/2005	KF955403	DENV-1/NI/BID-V622/2005	V
FJ478457/United States/1996	FJ478457	DENV-1/US/BID-V2138/1996	V

DENV = dengue virus.

SUPPLEMENTAL TABLE 2
Information of DENV-2 sequences used in phylogenetic analysis

DENVs strains in this study	GenBank accession number	Strain	Genotype
KF752595/Argentina/2012	KF752595	DENV-2/AR/V0/2012	American
KF752594/Argentina/2012	KF752594	DENV-2/AR/M10/2012	American
JQ686088/Brazil/2012	JQ686088	DENV-2/BR/JHA1/2012	American
L10053/Trinidad/1953	L10053	DENV-2/TT/TRIN-53/1953	American
L10043/India/1957	L10043	DENV-2/IN/INDIA/1957	American
FJ538910/India/1964	FJ538910	DENV-2/IN/NIV-64553/1964	American
AY158339/Perú/1996	AY158339	DENV-2/PE/Iqt2913/1996	American
L10046/Puerto Rico/1969	L10046	DENV-2/PR/PR159/1969	American
AY449675/Mexico/1984	AY449675	DENV-2/MX/SJL1782/Mexico 84/1984	American
AY158328/Venezuela/1987	AY158328	DENV-2/VE/Ven2/1987	American
AY466449/Mexico/1994	AY466449	DENV-2/MX/BC134-Merida-94/1994	American
AY158338/Mexico/1995	AY158338	DENV-2/MX/328298/1995	American
AY158332/Mexico/1992	AY158332	DENV-2/MX/131/1992	American
DQ364564/Costa_Rica/1994	DQ364564	DENV-2/CR/CR_B_94/1994	American
DQ364561/Costa_Rica/1994	DQ364561	DENV-2/CR/CR_A_94/1994	American
M84727/Thailand/1964	M84727	DENV-2/TH/16681/1964	Asian 1
X15434/Malaysia/1989	X15434	DENV-2/MY/M1/1989	Asian 1
U31949/Thailand/1993	U31949	DENV-2/TH/ThNH-7/93/1993	Asian 1
D00345/Thailand/1980	D00345	DENV-2/TH/PUO-218/1980	Asian 1
L10052/Taiwan/1987	L10052	DENV-2/TW/TAIWAN/1987	Asian 2
AF295700/Philippines/1995	AF295700	DENV-2/PH/DOH 078/1995	Asian 2
L10045/Philippines/1983	L10045	DENV-2/PH/2088/1983	Asian 2
AF204178/China/1987	AF204178	DENV-2/CN/43/1987	Asian 2
FJ744709/Nicaragua/2008	FJ744709	DENV-2/NI/BID-V2351/2008	Asian/American
EU482691/Nicaragua/2006	EU482691	DENV-2/NI/BID-V579/2006	Asian/American
EU482683/Nicaragua/2006	EU482683	DENV-2/NI/BID-V570/2006	Asian/American
EU482620/Nicaragua/2006	EU482620	DENV-2/NI/BID-V1074/2006	Asian/American
FJ205885/Nicaragua/2008	FJ205885	DENV-2/NI/BID-V1721/2008	Asian/American
EU596483/Nicaragua/2006	EU596483	DENV-2/NI/BID-V608/2006	Asian/American
EU482692/Nicaragua/2006	EU482692	DENV-2/NI/BID-V580/2006	Asian/American
EU482693/Nicaragua/2006	EU482693	DENV-2/NI/BID-V581/2006	Asian/American
EU482696/Nicaragua/2006	EU482696	DENV-2/NI/BID-V747/2006	Asian/American
EU482689/Nicaragua/2006	EU482689	DENV-2/NI/BID-V576/2006	Asian/American
EU482757/Nicaragua/2005	EU482757	DENV-2/NI/BID-V535/2005	Asian/American
EU482748/Nicaragua/2005	EU482748	DENV-2/NI/BID-V513/2005	Asian/American
EU482603/Nicaragua/2007	EU482603	DENV-2/NI/BID-V615/2007	Asian/American
FJ850117/Nicaragua/2000	FJ850117	DENV-2/NI/BID-V2657/2000	Asian/American
FJ850065/Nicaragua/2000	FJ850065	DENV-2/NI/BID-V2664/2000	Asian/American
GQ199895/Nicaragua/1999	GQ199895	DENV-2/NI/BID-V2683/1999	Asian/American
FJ850120/Nicaragua/2001	FJ850120	DENV-2/NI/BID-V2673/2001	Asian/American
FJ744745/Nicaragua/2000	FJ744745	DENV-2/NI/BID-V2362/2000	Asian/American
FJ744744/Nicaragua/2000	FJ744744	DENV-2/NI/BID-V2364/2000	Asian/American
FJ850118/Nicaragua/2000	FJ850118	DENV-2/NI/BID-V2658/2000	Asian/American
EU482632/Nicaragua/2005	EU482632	DENV-2/NI/BID-V620/2005	Asian/American
FJ744704/Nicaragua/2001	FJ744704	DENV-2/NI/BID-V2361/2001	Asian/American
FJ850066/Nicaragua/2000	FJ850066	DENV-2/NI/BID-V2665/2000	Asian/American
FJ850062/Nicaragua/2000	FJ850062	DENV-2/NI/BID-V2659/2000	Asian/American
FJ744705/Nicaragua/2000	FJ744705	DENV-2/NI/BID-V2363/2000	Asian/American
FJ850063/Nicaragua/2000	FJ850063	DENV-2/NI/BID-V2660/2000	Asian/American
HM210474/Venezuela/2005	HM210474	DENV-2/VE/LARD28105/2005	Asian/American
FJ639734/Venezuela/2003	FJ639734	DENV-2/VE/BID-V2160/2003	Asian/American
GQ868557/Colombia/2005	GQ868557	DENV-2/CO/BID-V3373/2005	Asian/American
GQ868555/Colombia/2005	GQ868555	DENV-2/CO/BID-V3371/2005	Asian/American
GU131947/Colombia/2007	GU131947	DENV-2/CO/BID-V3374/2007	Asian/American
HM210480/Venezuela/2003	HM210480	DENV-2/VE/LARD19094/2003	Asian/American
GQ868558/Colombia/2007	GQ868558	DENV-2/CO/BID-V3375/2007	Asian/American
M24444/Thailand/1980	M24444	DENV-2/TH/D2-D80-141/1980	Asian/American
AF195041/Thailand/1989	AF195041	DENV-2/TH/D89-828/1989	Asian/American
AF195042/Thailand/1984	AF195042	DENV-2/TH/D84-481/1984	Asian/American
DQ181820/Thailand/1982	DQ181820	DENV-2/TH/ThD2_0165_82/1982	Asian/American
DQ181818/Thailand/1983	DQ181818	DENV-2/TH/ThD2_0014_83/1983	Asian/American
AF195043/Thailand/1983	AF195043	DENV-2/TH/D83-061/1983	Asian/American
DQ364514/Costa_Rica/2000	DQ364514	DENV-2/CR/CR_7945_00/2000	Asian/American
DQ364513/Costa_Rica/2000	DQ364513	DENV-2/CR/CR_6530_00/2000	Asian/American
JF804030/Costa_Rica/2003	JF804030	DENV-2/CR/DB017/2003	Asian/American
L10055/Sri Lanka/1989	L10055	DENV-2/LK/SL714/1989	Cosmopolitan
AF410378/Saudi Arabia/1992	AF410378	DENV-2/SA/CAMR16/1992	Cosmopolitan
AF410370/Australia/1992	AF410370	DENV-2/AU/CAMR5/1992	Cosmopolitan
L10047/Seychelles/1977	L10047	DENV-2/SC/SEY-42/1977	Cosmopolitan
AF410377/Thailand/1998	AF410377	DENV-2/TH/CAMR14/1998	Cosmopolitan
L10051/Somalia/1984	L10051	DENV-2/SO/SOMALIA/1984	Cosmopolitan
L10044/Indonesia/1976	L10044	DENV-2/ID/INDON/1976	Cosmopolitan
AY449677/Mexico/1996	AY449677	DENV-2/MX/BC17/Merida 96/1996	Cosmopolitan

DENV = dengue virus.