

## Electronic Supplementary Material

# Molecular characterization of DENV-3 circulating during the post-monsoon period of 2013–14 in Delhi, India

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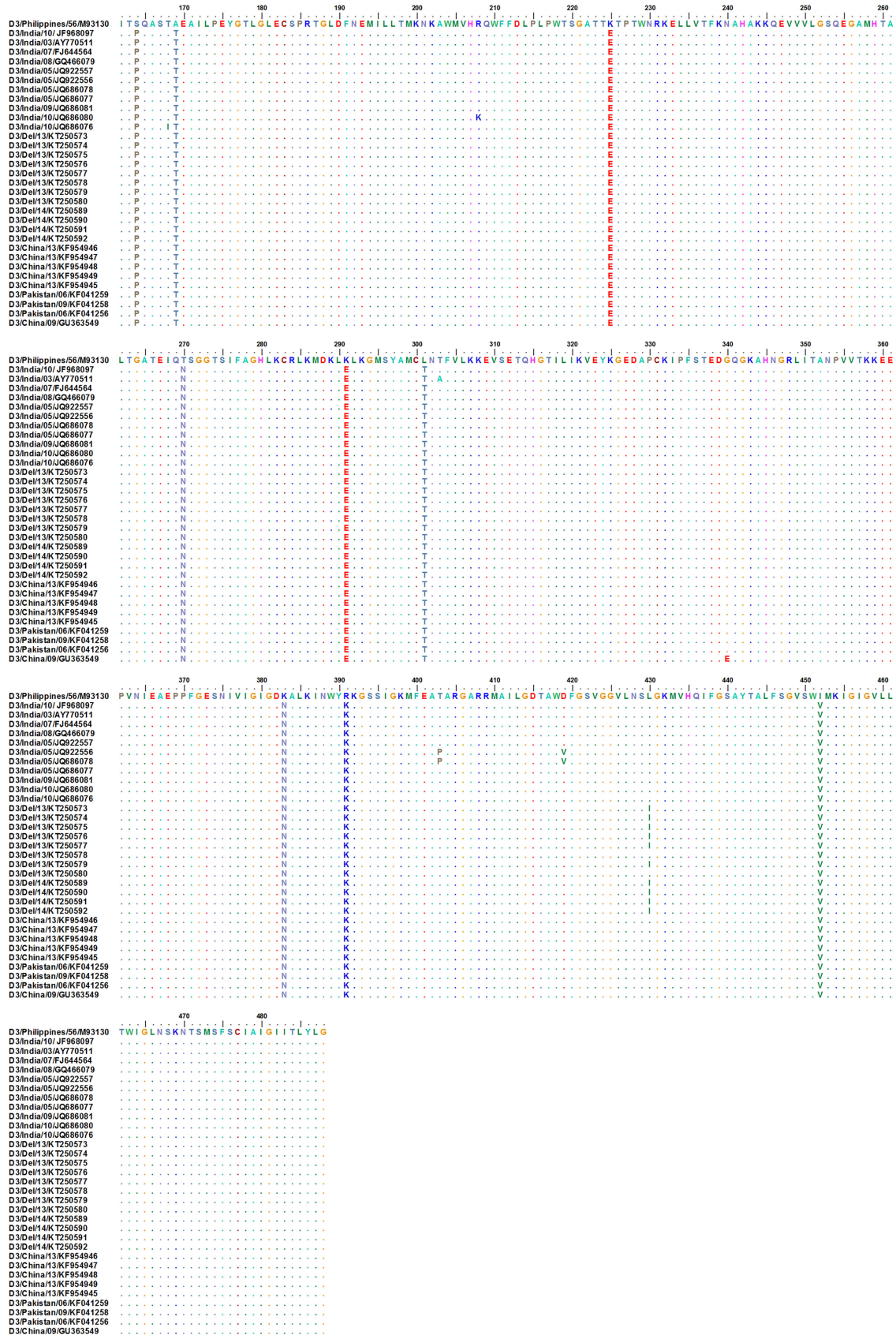


Figure S1. Amino acid changes observed in E protein of DENV-3 isolates (lineage III), compared with the prototype strain H87 (Accession number M93130).

Table S1. DENV-3 isolates of diverse geographic origin, used in the study.

Sample no.	Isolate name	Country&Region	Year	Genotype	Accession no.
1.	Sleman/78	Indonesia	1978	I	AY648961
2.	InJ-16-82	Indonesia	1982	I	DQ401690
3.	den3_88	Indonesia	1988	I	AY858038
4.	PF89/27643	French Polynesia	1989	I	AY744677
5.	PF90/3056	French Polynesia	1990	I	AY744680
6.	PF94/136116	French Polynesia	1994	I	AY744685
7.	PhMH-J1-97	Philippines	1997	I	AY496879
8.	98902890 DF DV-3	Indonesia	1998	I	AB189128
9.	KJ30i	Indonesia	2004	I	AY858042
10.	D3/Hu/TL129NIID/2005	East Timor	2005	I	AB214882
11.	DENV-3/TH/BID-V3360/1973	Thailand	1973	II	GQ868593
12.	ThD3_0010_87	Thailand	1987	II	AY676352
13.	C0360/94	Thailand	1994	II	AY923865
14.	Singapore 8120/95	Singapore	1995	II	AY766104
15.	98TW358	China's Taiwan	1998	II	DQ675522
16.	DENV-3/TH/BID-V2329/2001	Thailand	2001	II	FJ744740
17.	DENV-3/IPC/BID-V3809/2003	Cambodia	2003	II	GU131906
18.	DENV-3/KH/BID-V2087/2005	Cambodia	2005	II	GQ868629
19.	DENV-3/VN/BID-V1014/2006	Vietnam	2006	II	EU482458
20.	DENV-3/KH/BID-V3829/2007	Cambodia	2007	II	HM181935
21.	DENV-3/IPC/BID-V3808/2008	Cambodia	2008	II	GU131905
22.	DENV-3/LK/BID-V2410/1983	Sri Lanka	1983	III	GQ199889
23.	DENV-3/MZ/BID-V2418/1985	Mozambique	1985	III	FJ882575
24.	DENV-3/LK/BID-V2414/1985	Sri Lanka	1985	III	FJ882574
25.	DENV-3/LK/BID-V2412/1989	Sri Lanka	1989	III	FJ882572
26.	DENV-3/LK/BID-V2411/1989	Sri Lanka	1989	III	FJ882571
27.	DENV-3/LK/BID-V2413/1993	Sri Lanka	1993	III	FJ882573
28.	BR DEN3 97-04	Brazil	1997	III	EF629367
29.	DENV-3/LK/BID-V2409/1997	Sri Lanka	1997	III	GQ252674
30.	DENV-3/US/BID-V1449/1998	Puerto Rico	1998	III	EU726772
31.	99TW628	China's Taiwan	1999	III	DQ675533
32.	DENV-3/US/BID-V1452/1999	Puerto Rico	1999	III	EU781137
33.	D3/H/IMTSSA-MART/1999/1243	Martinique	1999	III	AY099337
34.	DENV-3/VE/BID-V2175/2000	Venezuela	2000	III	FJ639747
35.	DENV-3/US/BID-V2103/2000	Puerto Rico	2000	III	FJ547071
36.	D3/H/IMTSSA-SRI/2000/1266	Sri Lanka	2000	III	AY099336
37.	DENV-3/LC/BID-V3929/2001	Saint Lucia	2001	III	GQ868616
38.	DENV-3/VE/BID-V911/2001	Venezuela	2001	III	EU529691
39.	DENV-3/VE/BID-V913/2001	Venezuela	2001	III	EU482614
40.	DENV-3/CO/BID-V3393/2002	Colombia	2002	III	GQ868571
41.	BR74886/02	Brazil	2002	III	AY679147
42.	DENV-3/CO/BID-V3398/2003	Colombia	2003	III	GQ868574

Sample no.	Isolate name	Country&Region	Year	Genotype	Accession no.
43.	D3BR/RP1/2003	Brazil	2003	III	EF643017
44.	DENV-3/US/BID-V1089/2003	Puerto Rico	2003	III	EU529702
45.	GWL-25	India	2003	III	AY770511
46.	DENV-3/VE/BID-V1590/2004	Venezuela	2004	III	FJ373304
47.	DENV-3/US/BID-V1606/2004	Puerto Rico	2004	III	FJ024465
48.	DENV-3/CO/BID-V3400/2004	Colombia	2004	III	GQ868575
49.	D3/SG/SS710/2004	Singapore	2004	III	EU081181
50.	D3/SG/05K2933DK1/2005	Singapore	2005	III	EU081198
51.	DENV-3/US/BID-V1621/2005	Puerto Rico	2005	III	FJ182011
52.	DENV-3/VE/BID-V1593/2005	Venezuela	2005	III	EU854292
53.	NA <sup>a</sup>	Singapore	2005	III	AY662691
54.	D3/SG/05K2918DK1/2005	Singapore	2005	III	EU081197
55.	D3/SG/05K3316DK1/2005	Singapore	2005	III	EU081202
56.	DENV-3/IND/59826/2005	India	2005	III	JQ922557
57.	DENV-3/IND/58760/2005	India	2005	III	JQ922556
58.	NIV_058760	India	2005	III	JQ686078
59.	NIV_059826	India	2005	III	JQ686077
60.	DENV-3/CO/BID-V3404/2006	Colombia	2006	III	GU131954
61.	DENV-3/US/BID-V1080/2006	Puerto Rico	2006	III	EU529699
62.	D3/Pakistan/43298/2006	Pakistan	2006	III	KF041259
63.	D3/Pakistan/55709/2006	Pakistan	2006	III	KF041256
64.	DENV-3/CO/BID-V3405/2007	Colombia	2007	III	GQ868578
65.	DENV-3/BR/BID-V3615/2007	Brazil	2007	III	GU131878
66.	DENV-3/VE/BID-V2483/2007	Venezuela	2007	III	GQ868587
67.	ND-143	India	2007	III	FJ644564
68.	RR-72	India	2008	III	GQ466079
69.	DENV-3/NI/BID-V4743/2009	Nicaragua	2009	III	HQ166034
70.	GZ1D3	China	2009	III	GU363549
71.	D3/Pakistan/45251/2009	Pakistan	2009	III	KF041258
72.	NIV_0948359	India	2009	III	JQ686081
73.	NIV_1029582	India	2010	III	JQ686080
74.	NIV_1030355	India	2010	III	JQ686076
75.	D3/India/1008aTw	India	2010	III	JF968097
76.	13GDZDVS30B	China	2013	III	KF954946
77.	13GDZDVS30C	China	2013	III	KF954947
78.	13GDZDVS30D	China	2013	III	KF954948
79.	13GDZDVS30E	China	2013	III	KF954949
80.	13GDZDVS30A	China	2013	III	KF954945
81.	Puerto Rico 1963	Puerto Rico	1963	IV	L11433
82.	Puerto Rico 1977	Puerto Rico	1977	IV	L11434
83.	H87	Philippines	1956	V	M93130
84.	80-2	China	1980	V	AF317645
85.	BR DEN3 RO1-02	Brazil	2002	V	EF629370

<sup>a</sup>NA, name of the isolate is not available in GenBank