

Table S2. Comparative structural analysis of the distances between the M protein membrane-proximal helices (H1) of the two M proteins at the heterotetramer interface.

Virus	PDB	H1-H1 distance at the heterotetramer interface (Å)	Reference
Tick-borne encephalitis (Kuutsalo-14)	7Z51	19.1	-
Chimeric flavivirus between Binjari and Murray Valley Encephalitis	7KVB	29.2	[17]
Chimeric flavivirus between Binjari and West Nile (Kunjin)	7KV9	30.9	[17]
Chimeric flavivirus between Binjari and Dengue serotype-2	7KV8	32.9	[17]
Dengue virus serotype-2	6ZQU	32.7	[19]
Dengue virus serotype-2	7V3F	28.9	[64]
Dengue virus serotype-2	3J27	31.6	[65]
Spondweni	6ZQV	32.1	[19]
Tick-borne encephalitis (Hypr)	5O6A	25.7	[4]
Usutu	7LCH	36.7	[18]
Usutu	7LCG	36.6	[18]
West Nile virus (Kunjin)	7KVA	38.6	[17]
Zika	6C08	35.2	[46]
Zika	5IZ7	28.6	[66]
Zika	5IRE	35.3	[67]