**Supplemental file 7: The plot of *K* vs *ΔK*: determination of optimum number of clusters in Asian/American (AA) genotype of DENV-2. ‘**K’ represents thenumber of clusters. *‘ΔK’* is the rate of change of posterior probability of the data given *K*. The plot is derived to determine optimum number of clustersin American-Asian (AA)genotype (comprise of 552 strains) of DENV-2. The first major peak of ΔK is obtained at K=4, followed by a second peak at K=7, indicating presence of substructure and seven distinct lineages in American-Asian genotype.

