A Coevolution Analysis for Identifying Protein-Protein Interactions by Fourier Transform

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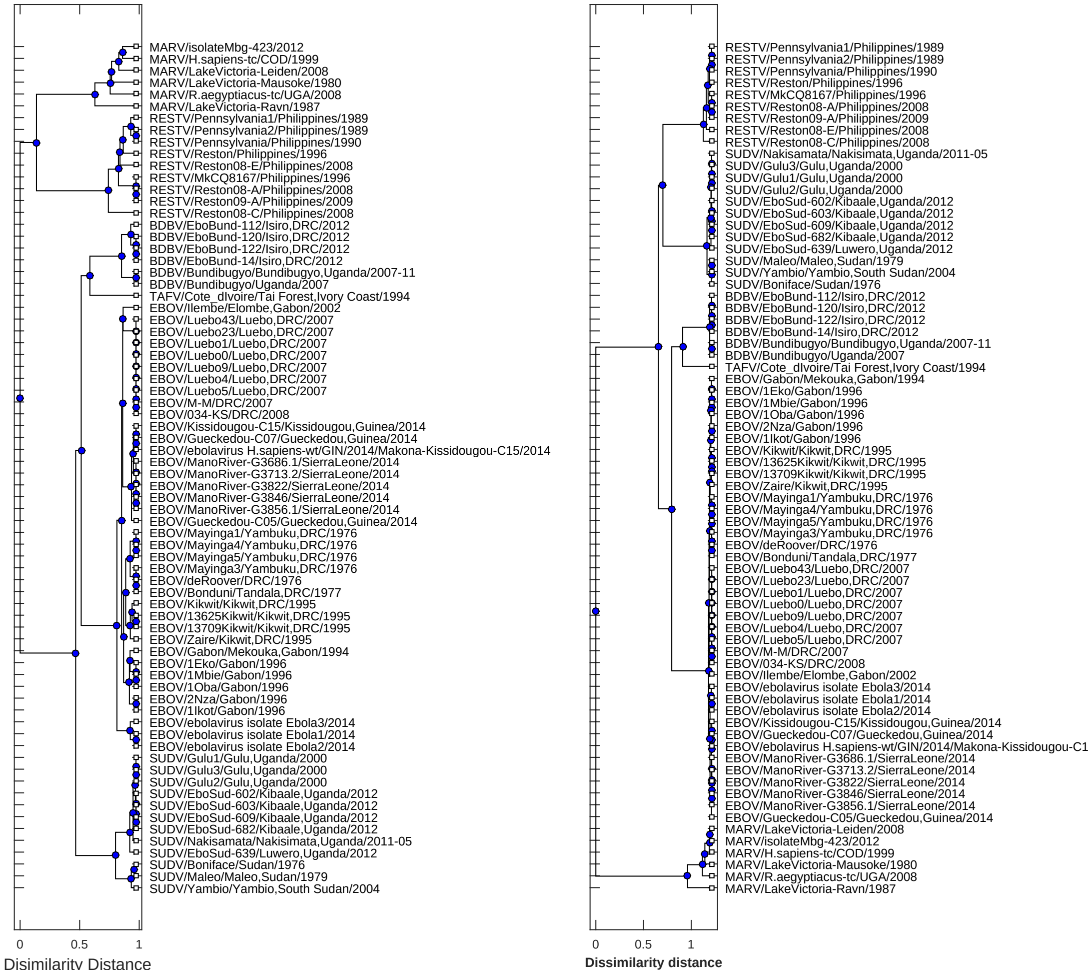
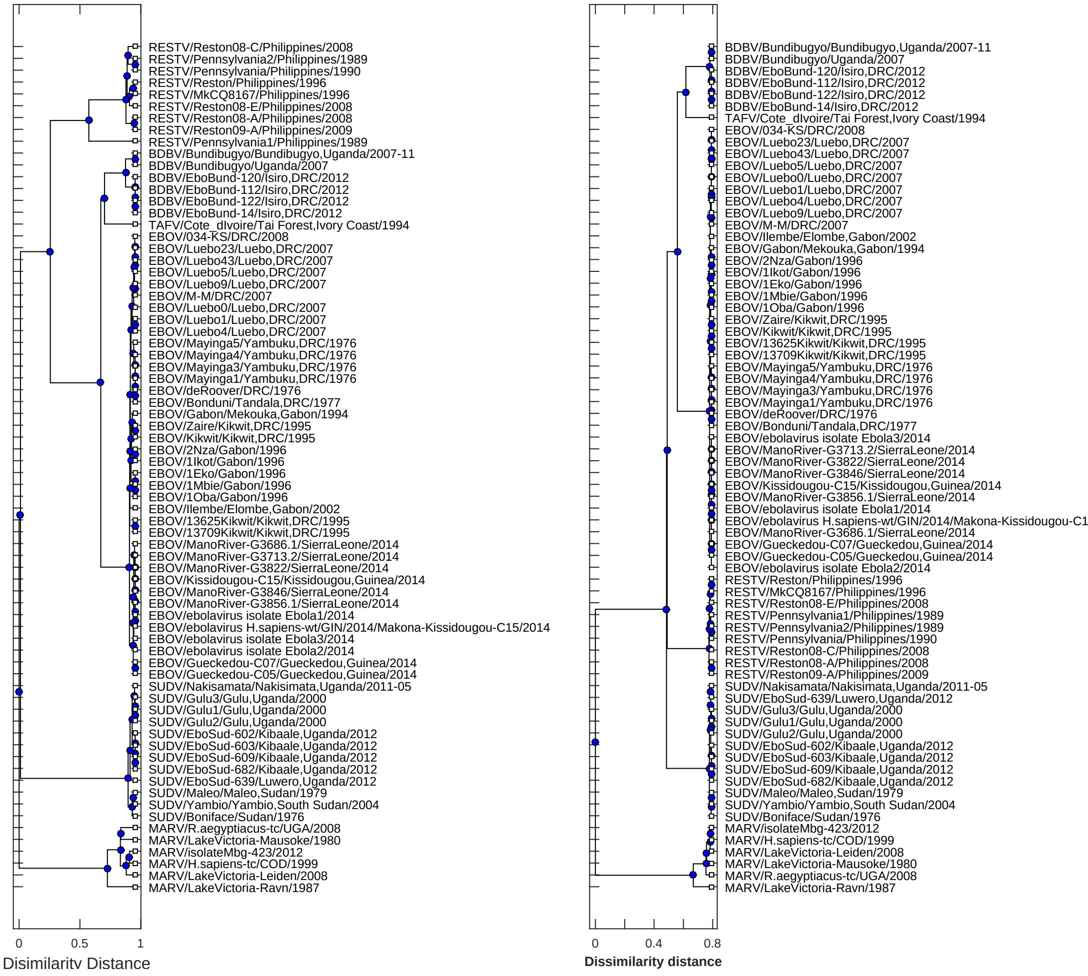
Phylogenetic analysis of proteins in Ebola virus by Fourier transform and multiple sequence alignment (MSA)



(a) DFT **(b)** MSA

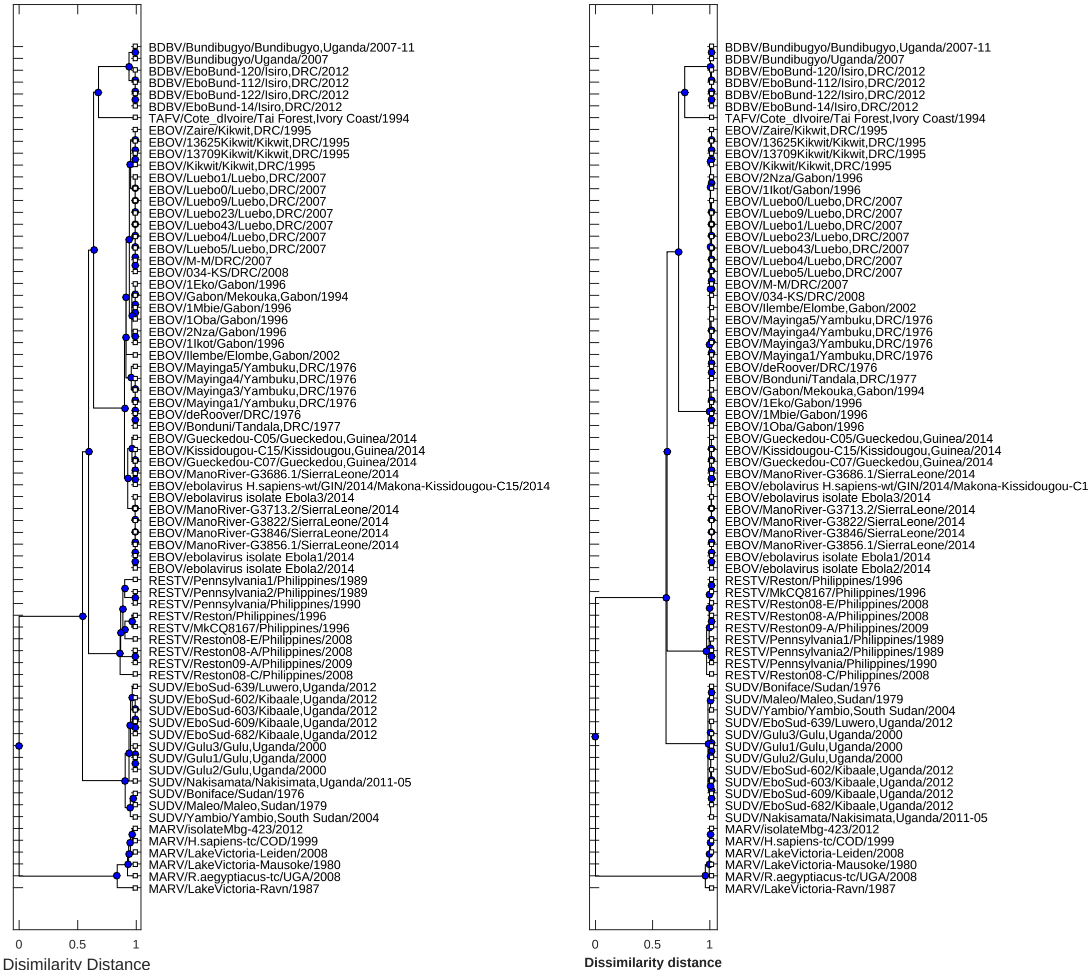
Figure 1. Phylogenetic analysis of Ebola virus. (a) Phylogenetic tree constructed by the DFT distance of GP sequences of Ebola virus. (b) Phylogenetic tree constructed by MSA of GP sequences of Ebola virus.



(a) DFT

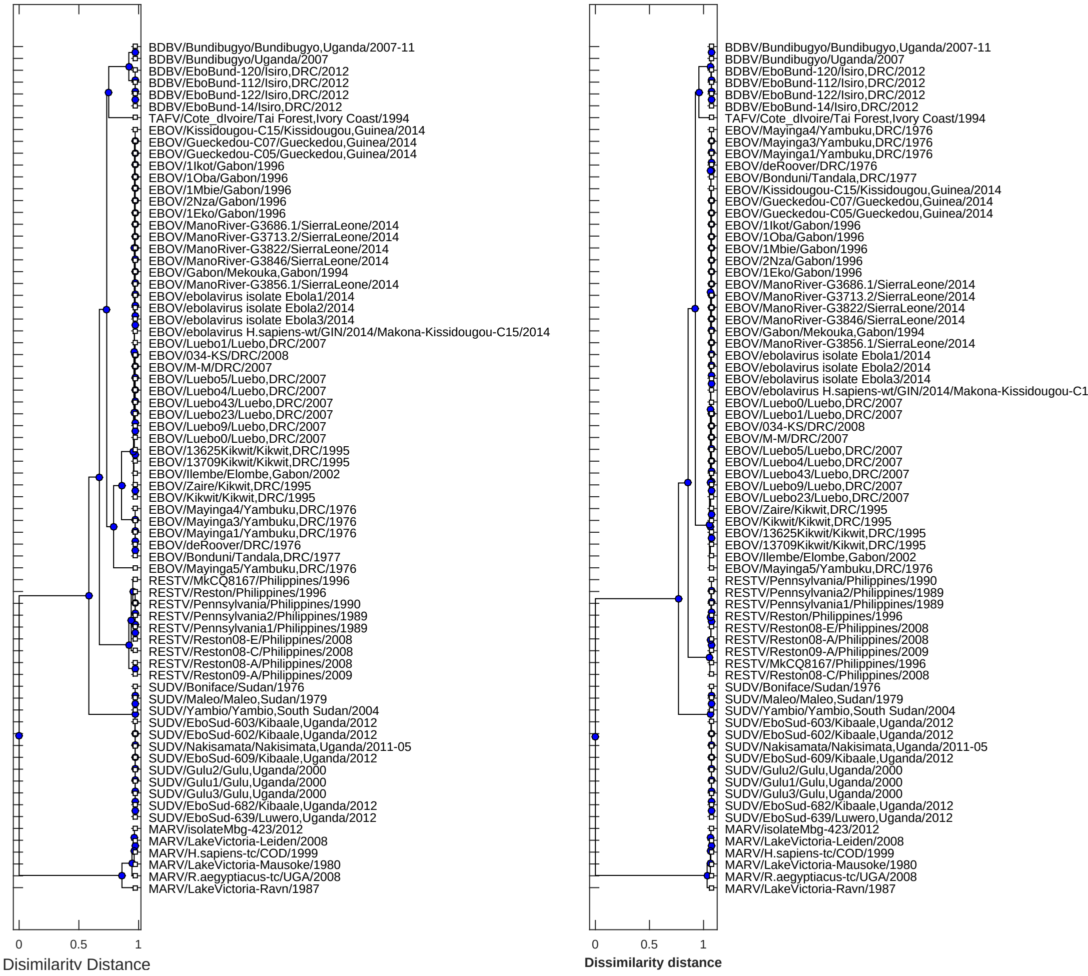
(b) MSA

Figure 2. Phylogenetic analysis of Ebola virus. (a) Phylogenetic tree constructed by the DFT distance of L sequences of Ebola virus. (b) Phylogenetic tree constructed by MSA of L sequences of Ebola virus.



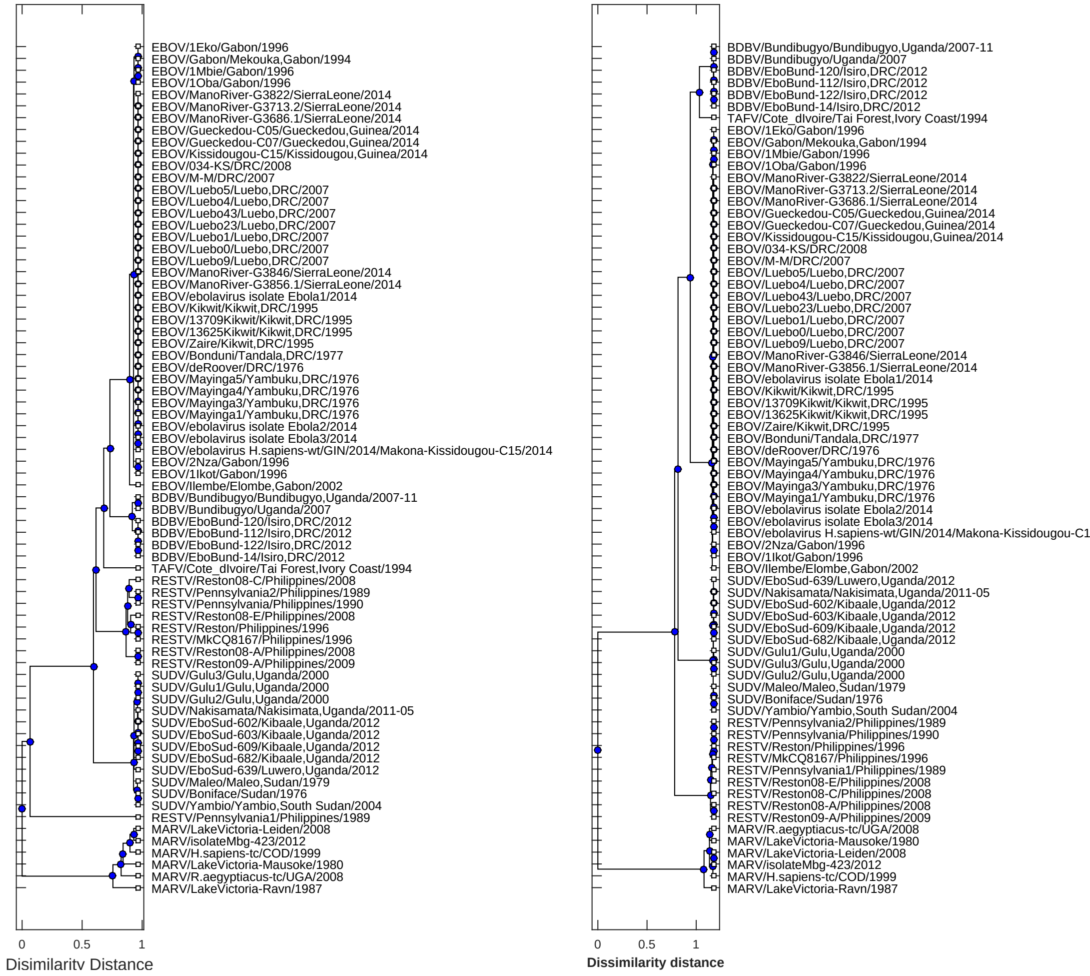
(a) DFT **(b)** MSA

Figure 3. Phylogenetic analysis of Ebola virus. (a) Phylogenetic tree constructed by the DFT distance of NP sequences of Ebola virus. (b) Phylogenetic tree constructed by MSA of NP sequences of Ebola virus.



(a) DFT **(b)** MSA

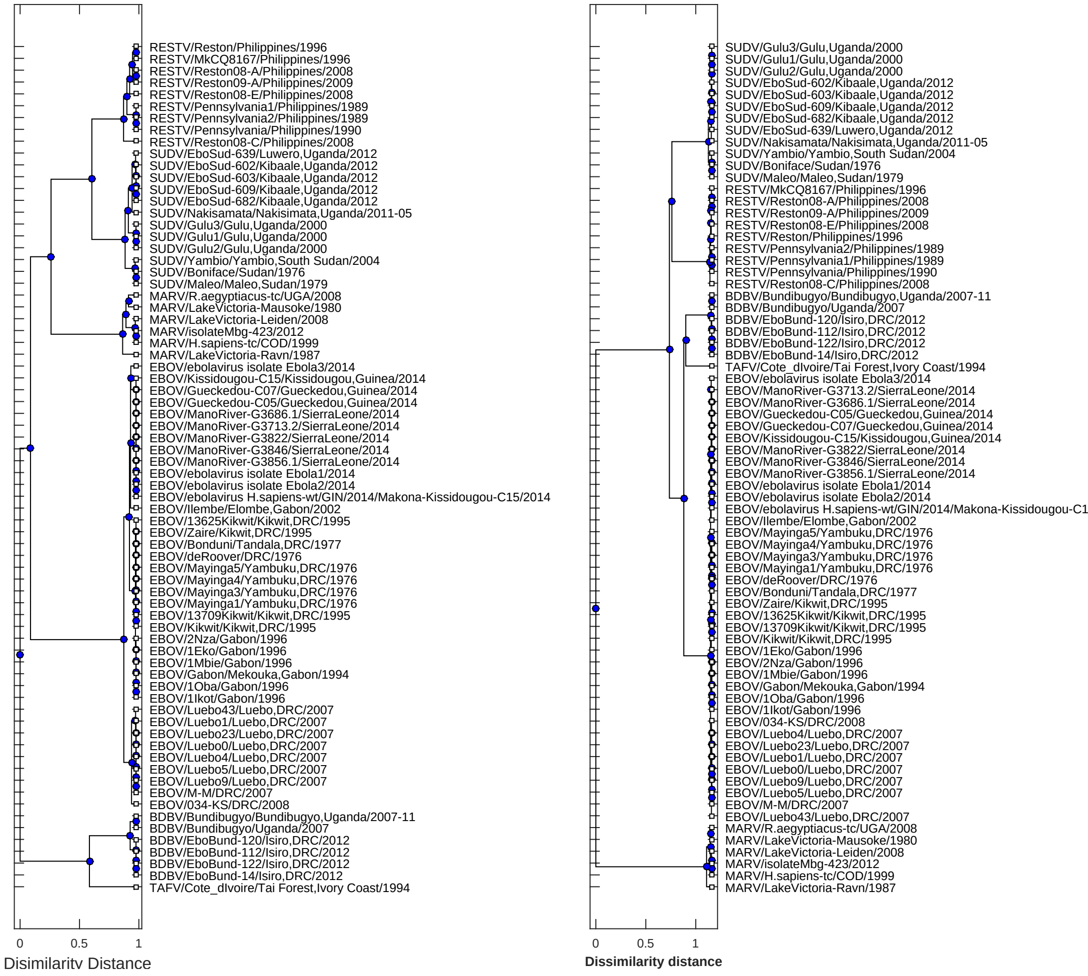
Figure 4. Phylogenetic analysis of Ebola virus. (a) Phylogenetic tree constructed by the DFT distance of VP24 sequences of Ebola virus. (b) Phylogenetic tree constructed by MSA of VP24 sequences of Ebola virus.



(a) DFT

(b) MSA

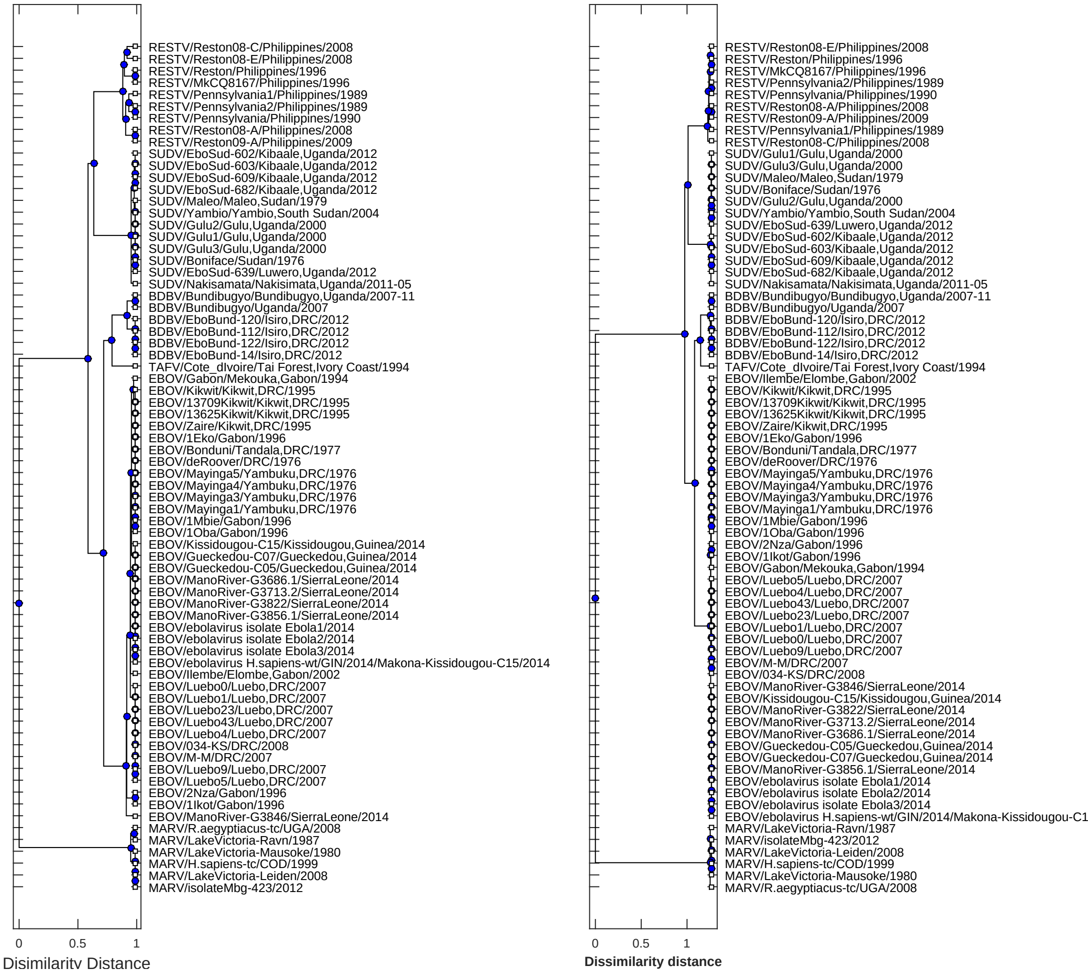
Figure 5. Phylogenetic analysis of Ebola virus. (a) Phylogenetic tree constructed by the DFT distance of VP30 sequences of Ebola virus. (b) Phylogenetic tree constructed by MSA of VP30 sequences of Ebola virus.



(a) DFT

(b) MSA

Figure 6. Phylogenetic analysis of Ebola virus. (a) Phylogenetic tree constructed by the DFT distance of VP35 sequences of Ebola virus. (b) Phylogenetic tree constructed by MSA of VP35 sequences of Ebola virus.



(a) DFT **(b)** MSA

Figure 7. Phylogenetic analysis of Ebola virus. (a) Phylogenetic tree constructed by the DFT distance of VP40 sequences of Ebola virus. (b) Phylogenetic tree constructed by MSA of VP40 sequences of Ebola virus.