



Figure 3 Genome organization and genetic characterization of the MuKV strains identified in the present study. A) Genome organization of MuKV/XM34/CHN with initial nucleotide positions labeled for each functional region. The partial 5'UTR is located in positions 1-372 and the partial 3'UTR is located in positions 7666-7714. P1 represents viral structural proteins, and P2 and P3 represent nonstructural proteins. B) Similarity plot analysis of the complete polyprotein genome of MuKV/XM34/CHN (*red line*), MuKV/XM86/CHN (*blue line*) and MuKV/YN27/CHN (*green line*), feline kobuvirus strain WHJ-1/MF598159.1 (*orange line*) as an out-group sequence and rat kobuvirus strain GZ85/MN648601.1 as a query sequence using Kimura (2-parameter) model in Simplot 3.5.1 software.