**Table S1**. Secondary structure analysis of NS1 protein by SOPMA and STRIDE

|  |  |  |
| --- | --- | --- |
|  | SOPMA | STRIDE |
| Alpha helix(Hh)  | 74 is 20.96% | 32 is 9.06% |
| Extended strand (Ee)  | 78 is 22.10% | 87 is 24.64% |
| Pi helix (Ii)  | 0 is 0.00% | 0 is 0.00% |
| Bend region (Ss)  | 0 is 0.00% | 0 is 0.00% |
| Random coil(Cc)  | 185 is 52.41% | 81 is 22.94% |
| Beta turn(Tt)  | 16 is 4.53% | 125 is 35.41% |
| Beta bridge(Bb)  | 0 is 0.00% | 13 is 3.68% |
| 310 helix(Gg)  | 0 is 0.00% | 15 is 4.24% |