**Supplementary Table 2:** **Model description and data validation.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Motifs** | **Template** | **Resolution** Å | **Reference** | **Identity %** | **Similarity %** |
| NS3 Helicase | 7 | 1YKS | 1.8 | [Wu, et al., 2005](#_ENREF_35) | 50 | 65 |
| NS5 RdRP | 8 | 4K6M | 2.6 | [Lu and Gong, 2013](#_ENREF_15) | 58 | 73 |