**Supplementary Table 5.** **PQSs with high conservation in the PEDV genome.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| number | PQSs | position | length | conservation | location | Characteristics of the region |
| PQS1 | GGUUACAGGUGGUUGG | 3109 | 16 | 98.37% | nsp3 | high SHAPE-high Shannon |
| PQS2 | GGUAUUGGUGGUGAGCGG | 10988 | 18 | 97.63% | nsp6 | low SHAPE-low Shannon |
| PQS3 | GGCCAAUGGUUCUGGUAAUGG | 12322 | 21 | 98.52% | nsp10 | low SHAPE-low Shannon |
| PQS4 | GGUUGUUGGCUGGCUAAUGG | 12545 | 20 | 93.79% | nsp10 | low SHAPE-low Shannon |
| PQS5 | GGGCUGGUGGUUUGG | 17720 | 15 | 98.82% | nsp14 | Others |
| PQS6 | GGUGGUAUGGUGCUAGG | 23508 | 17 | 92.16% | S gene | low SHAPE-low Shannon |
| PQS7 | GGCCGUGGUGGGUUUGG | 24607 | 17 | 98.22% | S gene | Others |