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| --- | --- | --- | --- | --- |
|  | **Sequences** | **Annealing temperature** | **Location** | **PCR product size** |
| **S gene** | 5’-TTCTGAGTCACGAACAGCCA-3’ | 55°C | 1466-1485 | 651 bp |
| (Kim et al. 2001) | 5’-CATATGCAGCCTGCTCTGAA-3’ |  | 2097-2116 |  |
| **N gene** | 5’-CTAAACAGAAACTTTATGGCTT-3’ | 55°C | 79-100 | 760 bp |
| (DQ355223.1) | 5’-ATGTCTTTGAGGTCACGTTC-3’ |  | 907-926 |  |
|  | 5’-CTTCTCAGAACAGAGGAGG-3’ | 55°C | 650-668 | 848 bp |
|  | 5’-GTGTCACCACCATCAACAG-3’ |  | 1358-1376 |  |
| **ORF3 gene** | 5'-CGAAGCTTTTGAAAAGGTCC-3' | 51°C | 18-37 | 755 bp |
| (GU372734.1) | 5'-GGAAAAAGAGTACGAAAAGCC-3' |  | 752-772 |  |