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**Supplementary Data**

**Quantitative determination of the electron beam radiation dose for SARS-CoV-2 inactivation to decontaminate frozen food packaging**

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**Table S1** Primers and probes used for RT-PCR analysis

|  |  |  |
| --- | --- | --- |
| **Gene name** | **Probe/primer name** | **Sequence (5′–3′)** |
| SARS-CoV-2-E | E-F | ACAGGTACGTTAATAGTTAATAGCGT |
| E-R | ATATTGCAGCAGTACGCACACA |
| E-P | FAM-ACACTAGCCATCCTTACTGCGCTTCG-BHQ1 |
| SARS-CoV-2-N | N-F | CACATTGGCACCCGCAATC |
| N-R | GAGGAACGAGAAGAGGCTTG |
| N-P | FAM-ACTTCCTCAAGGAACAACATTGCCA-BHQ1 |
| SARS-CoV-2-ORF1ab | ORF1ab-F | GTGAAATGGTCATGTGTGGCGG |
| ORF1ab-R | CAAATGTTAAACACACTATTAGCATA |
| ORF1ab-P | FAM-ACACTAGCCATCCTTACTGCGCGCTTCG-BHQ1 |