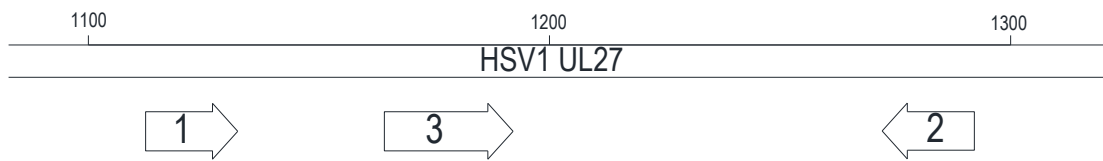


SEQ ID NO	Sequence (5' – 3')	Target	Orientation
1	AGGTGGACGAGATGCTGCGCT	HSV1 UL27	Forward
2	GCGTTGTACCTGCGGGCGAAG	HSV1 UL27	Reverse
3	CCGACGCCATATCCACCACCTTCACCACCA	HSV1 UL27	Probe
4	TGTACGTGCGGGAACACCTCCG	HSV1 UL27	Forward
5	CAAACCCACGCCCCGCGCC	HSV1 UL27	Probe
6	CAGGACCGCAAGCCCCGGAATG	HSV2 UL27	Forward
7	AAACTGCAGCCGGGCGAACTCG	HSV1/2 UL27	Reverse
8	AGGCGCCCAGCGCCAACGCGTCC	HSV2 UL27	Probe

FIG. 1

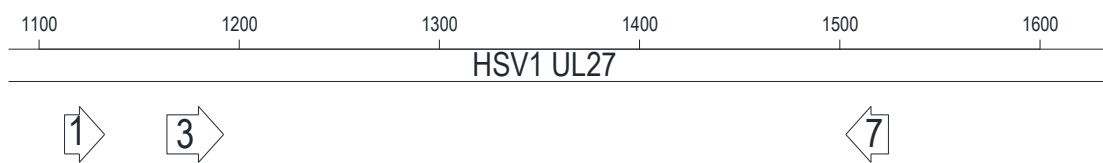
A



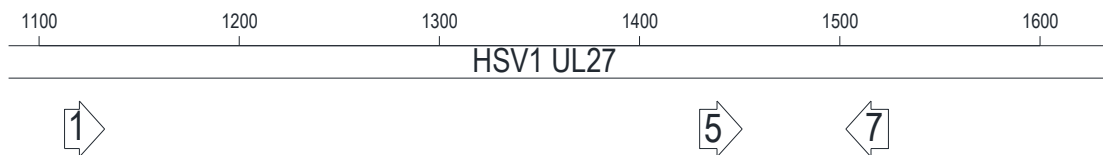
B



C



D



E



FIG. 2

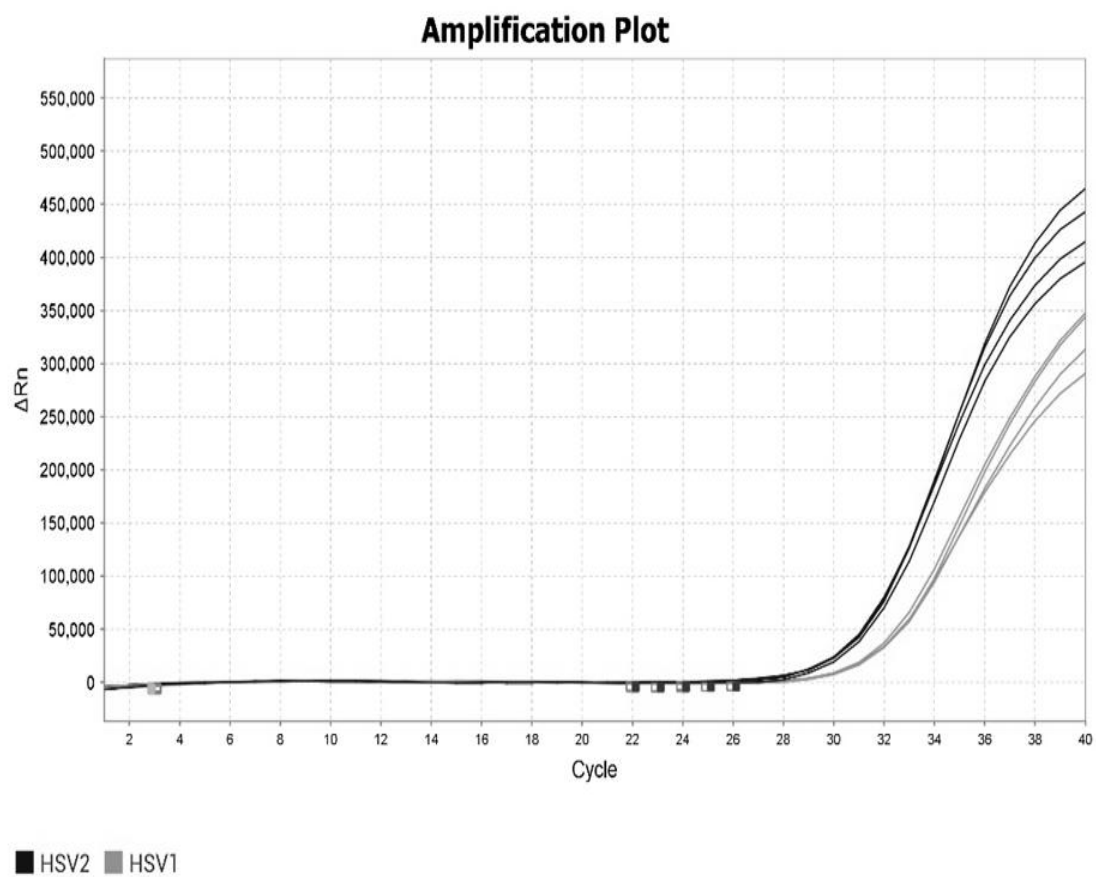


FIG. 3

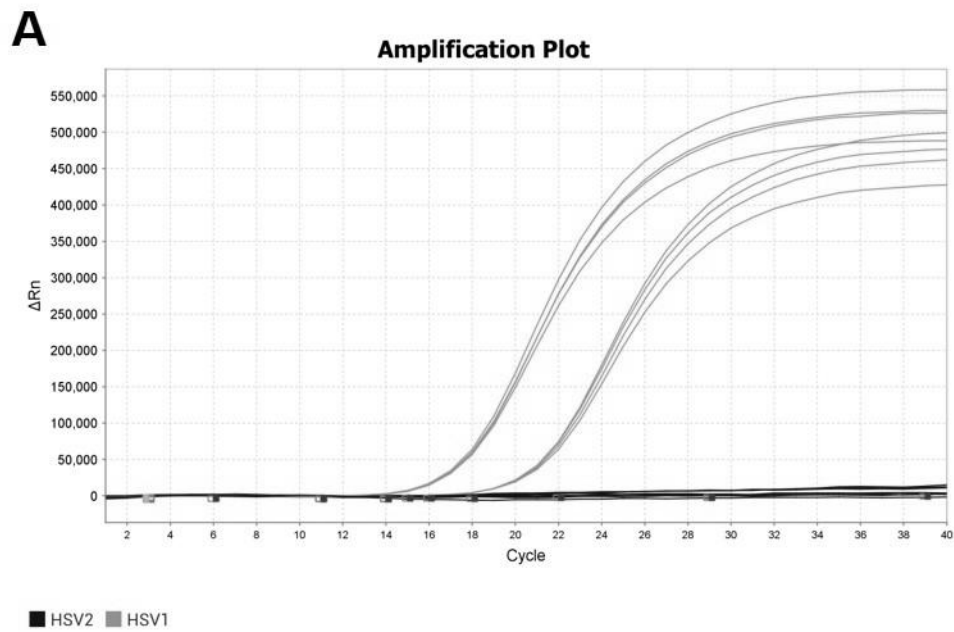


FIG. 4A

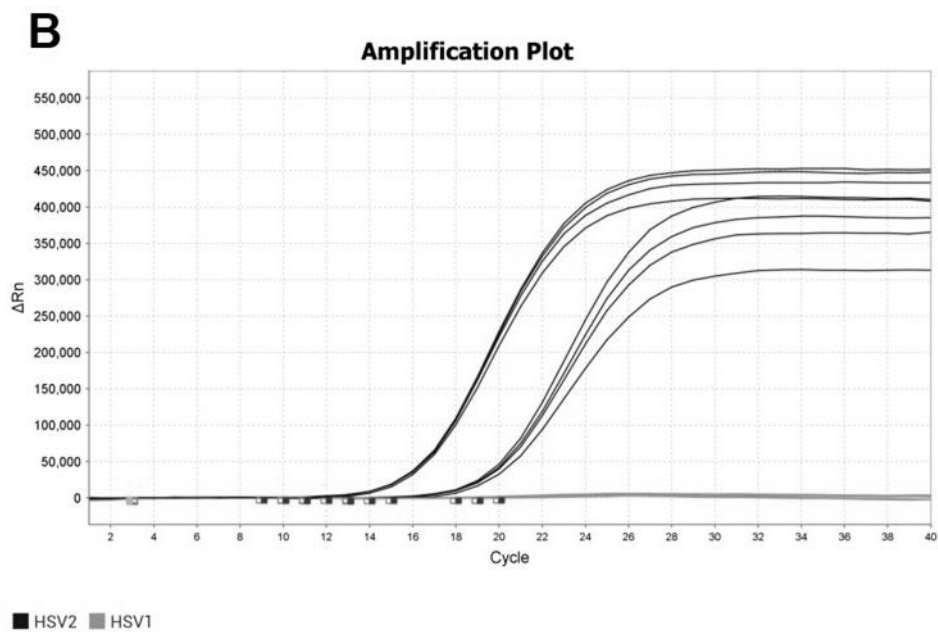


FIG. 4B

Plasmid DNA	Input amount	Cross Reactivity
pUC57 – OprL <i>Pseudomonas aeruginosa</i>	10^7 cp	-
pUC57 – nuc <i>Staphylococcus aureus</i>	10^7 cp	-
pUC57 – coa <i>Staphylococcus aureus</i>	10^7 cp	-
pUC57 – HlyA <i>Listeria monocytogenes</i>	10^7 cp	-
pUC57 – Tpi <i>Clostridium difficile</i>	10^7 cp	-
pUC57 – cfb <i>Streptococcus agalactiae</i>	10^7 cp	-
pUC57 – invA <i>Salmonella typhimurium</i>	10^7 cp	-
pUC57 – ProA <i>Pectobacterium carotovorum</i>	10^7 cp	-
pUC57 – Shr <i>Arabidopsis thaliana</i>	10^7 cp	-

FIG. 5A

Genomic DNA	Input amount	Cross Reactivity
<i>Pseudomonas aeruginosa</i>	5×10^7 cp	-
<i>Staphylococcus aureus</i>	3×10^7 cp	-

FIG. 5B

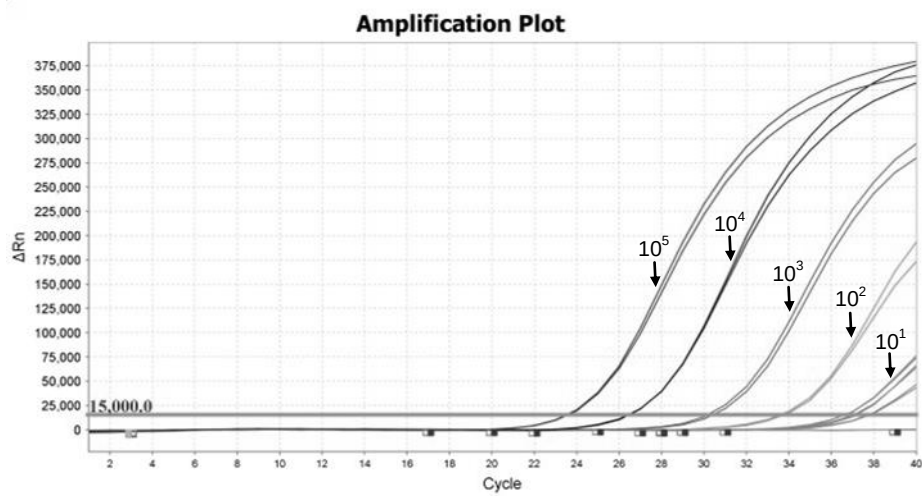


FIG. 6A

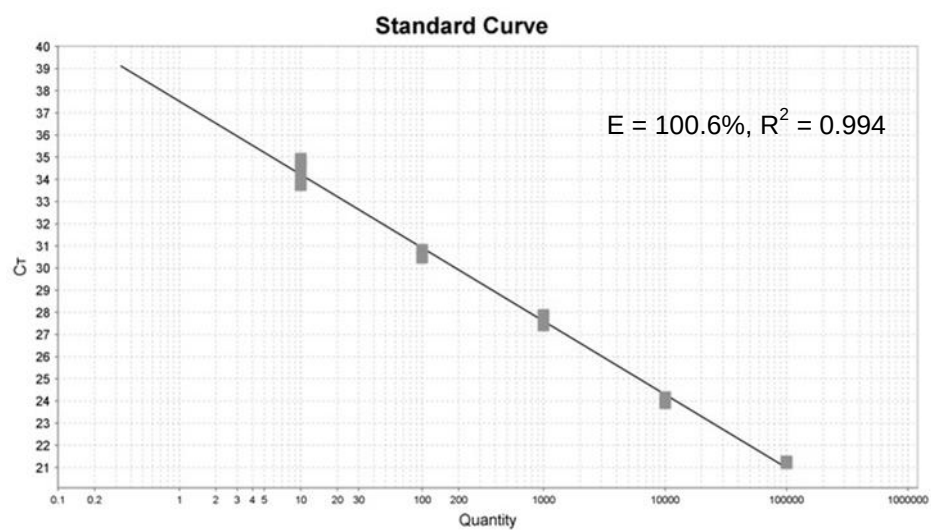


FIG. 6B

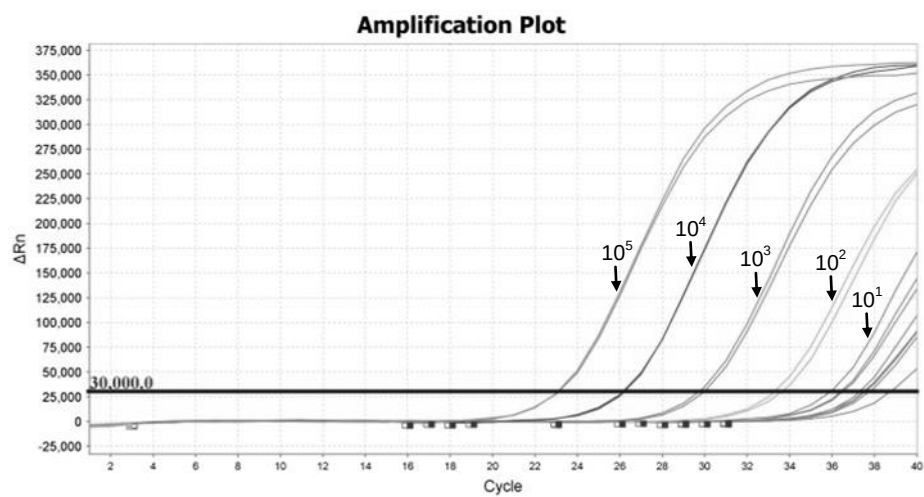


FIG. 7A

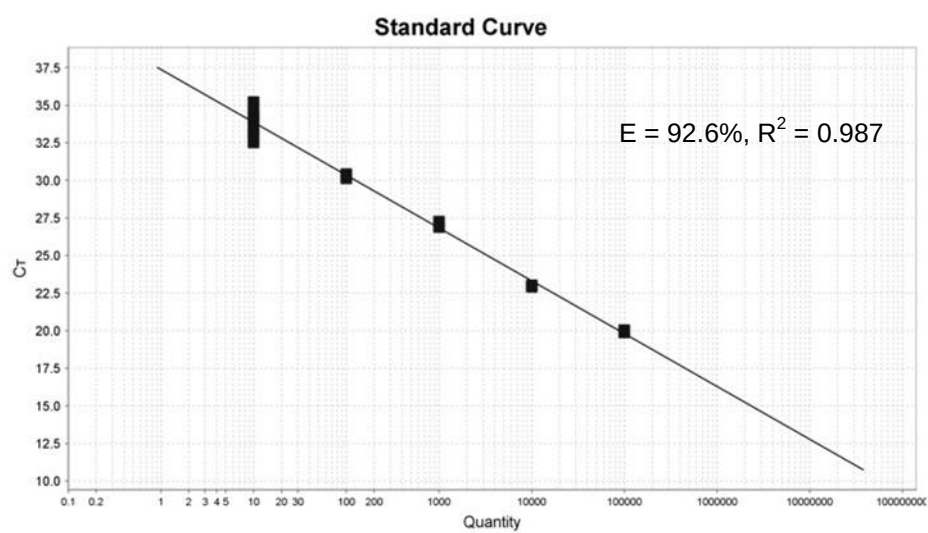


FIG. 7B