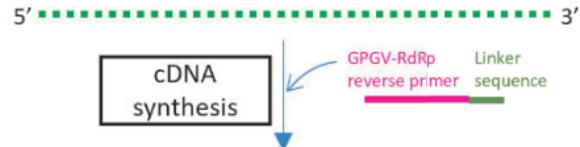


**GPGV Target gene
(RdRp)**



GPGV cDNA



First PCR amplification



GPGV-RdRp amplicon

Second PCR amplification

T7 primer with linker sequence added to both sense and antisense strand



GPGV-RdRp-T7 amplicon

In vitro transcription

Transcription occurs from both directions using T7 promoter



**Short synthetic GPGV-RdRp-dsRNA
(798 bp)**