CMV F / CMV T

AB261172.1 AB290155.1 AF523343.1 DQ002882.1 JX865596.1 KF873615.1 KP713797.1 KT931619.1 LC368039.1 MG251400.1 MN593025.1 MW079239.1	G C C C C C T C C T C C G C G G A T G C T A A C T T G C T T C C T C C T C C T C G G A T G C T A A C T T G C T T C C T C C T C C T C G G A T G C T A A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C G C G G A T G C C A C T T G C T C C T C C T C C G C G G A T G C C A C T T G C T C C T C C T C C G C G G A T G C C A C T T G C T C C T C C T C C T C G C G G A T G C C A C T T G C T C C T C C T C C T C G C G G A T G C C A C T T G C T C C T C C T C C T C G C G G A T G C T A A T G C T C C T C C T C C T C G C G G A T G C T A A C T T G C T C C T C C T C C T C G C G G A T G C T A A C T T G C C C C C T C C T C C T C G C G G A T G C T A A C T T G C C C C C T C C T C C T C G G G A T G C C A C T T G C T C C T C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C T C C G C G G A T G C C A C T T G C C C C C T C C T C C T C C G C G A T G C C A C T T G C C C C C T C C T C C T C C G C G A T G C C A C T T G C C C C C T C C T C C T C C G C G A T G C C A C T T G C C C C T C C T C C T C C G C G A T G C C A C T T G C C C C T C C T C C T C C G C G A T G C C A C T T G C T C C T C C T C C T C C G C G A T G C T A C T T G C T C C T C C T C C T C C T C C T C C G C A C T T A C T G C T C C T C C T C C T C C T C C T C C C C C T C C T C C T C C C C C C T C C T C C T C C C C C C T C C T C C T C C C C C C C T C C T C C T C
AB261172.1 AB290155.1 AF523343.1 DQ002881.1 DQ002882.1 JX865596.1 KF873615.1 KF9713797.1 KT931619.1 LC386039.1 MG251400.1 MN593025.1 MW079239.1	A A G A C G T T A G C A G C T G G T C G T C C A A C T A T T A A C C A C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T A G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T G G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T G G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T G G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T G T C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T G T C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T G T C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T A T C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T A T C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G C A A G A C G T T A T C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G C A A G A C G T T G T C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T A G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T A G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T A G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T A G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A A C C T T T G T A G G G A G T G A G C G T A A G A C G T T A G C A G C T G G T C G T C C A A C T A T T A A C C A C C C C A C C T T T G T A
AB261172.1 AB290155.1 DQ002881.1 DQ002882.1 JX865596.1 KF873615.1 KF9713797.1 KT931619.1 LC368039.1 MG251400.1 MN593025.1 MW079239.1	T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A A T A G A C C G C G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C G A A A A T A G A C C G C G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A A T A G A C C G T G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A A T A G A C C G T G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A A T A G A C C G T G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G T G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C G C C A A A A A T A G A C C G T G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G T G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G T G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G T G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G C G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G C G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G C G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G C G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G C G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C A C C A A A A T A G A C C G C G C G G G T G T A A A C C T G G A T A C A C G T T C A C A T C T A T T A C C C T A A A G C C C C A A A A A T A G A C C G C G C G G G T G T A A A C C T G

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Figure S3 Primer and probe design for LiquiChip detection of Cucumber mosaic virus. Accession numbers for the aligned isolates (top to buttom) are AB261172.1, AB290155.1, AF5233431, DQ002881.1, DQ002882.1, JX865596.1, KF873615.1, KP713797.1, KT931619.1, LC368039.1, MG251400.1, MN593025.1, MW079239.1 were aligned and compared. Design of the primers (CMV-F, CMV-R) and probe (CMV-P) were based on conserved sequences within the CP gene.