

1 **Supplementary Table S1:** CAVV primers used in this study.

Primer Name*	Sequence 5' → 3'
C79_3F	CTAATGAAAATTTTGTTTTCTCAC
C79_32F	ACTACTACTACAAGTATAACCCC
C79_73F	GCTAAACTCTGATCACCAAACC
C79_104F	CAGTTGCTTAAAGAACCTCTTG
C79_107R	ACTGATGTGGCTAGGTTTGGTGAT
C79_126F	AGACACTCTCCCACTTAACATC
C79_152F	AGGAATCTTCGATGCTACAACA
C79_177F	TGGCTAGTAAACAATAAATCCACAC
C79_209F	AGTTGTAAGAGGCCATAGGTC
C79_238F	GAAAGGTTTGTCTATTGTTGC
C79_4523F	CGCCGCTTCAAACCCCTCAA
C79_4999R	GGGTCAAATAACATACCTCCAC
C79_15920F	GTCCCAACTACTGAAACCA
C79_16229R	ATCAACAGTAAGAGCAGGAAGT
C79_17705F	GGATTTTGCCGTGAAGGTGAGAG
C79_18216R	GCATCGTATTTAGCATTGACATCG
C79_18498F	CTCCACTCAACATTGTA CTGC
C79_18669R	AAACCAGTAGTGTGGGTCAAG
C79_18826F	TCCAATTTTCATCGCATGTTTCGT
C79_19002R	CAGAAGCCATAGTATATTGCGGT
C79_19408F	AGTATGCTAGATCTTGTGTTGG
C79_19543R	GTGATGTTATTTTACATGAATGATCGGC
C79_19552F	AAGTTCGACCACTGAATGAGAC
C79_19626F	ACACATCGTACCGGCCATTCTTTG
C79_20093R	CGCCATACTACTAAGCCCTAAC
CoV1-2a-KF	CATCTAGCGACCTCCGTTTAG
CoV1-2a-KR	ATCGCGACCTCCACCTAAAC
CoV2bcd-KF	CATCTAGCACCTCCGTTTCGT

CoV2bcd-KR	CTAGCGACCTCCACACGAAC
CoV3a-KF	CCATCTAGCGCTCTTGTTAAG
CoV3a-KR	CTAGCGACCTCCACCTTAACAA
CoV3b-KF	CTCTAGCGACCTCCCTGTTT
CoV3b-KR	ATCTAGCGACCTCCACAAACA
CoV3c-KF	ATCTAGCGACTCGACTGGTGT
CoV3c-KR	CTAGCGACCTCCACACACCA
ToV-KF	CACTACGACCTCCACCTAAACA
ToV-KR	CCATAGCGACCTCCACTGTTAG

1 * Primers are named according to 5' location of primer on the CAVV genome.

2