

Supplementary Material Table S1. Primers, probe, and expected amplicons size for the viral detection, typing, and sequencing.

Virus	Target	Primer	Primer sequence (5'-3')	Amplicon size (bp)	Reference
CAcV	Early region 3 (E3) gene and flanking regions	¹ HA1	CGCGCTGAACATTACTACCTTGTC	508 (CAcV-1)	[31]
		¹ HA2	CCTAGAGCACTTCGTGTCCGCTT	1030 (CAcV-2)	
	Penton gene	² CAcV2-penFF	AATGGAGTTTTTCGTCGTCTCCT	1491 (CAcV-1)	[39]
		² CAcV2-penRR	TTAGTCGGTGATATTAAGATGGC		
	Hexon gene	² CAcV-Hexon-For1	GAAGTTTGCCGACCCTGTC	2813	[28]
		² CAcV-Hexon-Rev1	ACTATGGCTCGCAGCTCTTC		
		⁴ CAcV-Hexon-For2	CTGATGCCTWTAAATACACACCTGA		
		⁴ CAcV-Hexon-Rev2	GACCTGAATATGGAACGAGCA		
	Fiber gene	² CAcV-Fiber-For1	ATGTGGTCTCTCCCRACAGC	1787 (CAcV-1)	[28]
		² CAcV-Fiber-Rev1	ACTTTTCTGAAGCGGYAG	1748 (CAcV-2)	
⁴ CAcV-Fiber-For2		ACCATATAACTCTAAGTGCTGGGAG			
⁴ CAcV-Fiber-Rev3		TATGGGAAAGTCCAGGTCCA			
CPV-2	VP2 gene	¹ VP2-850-Forward	GAGCATTGGGCTTACCA	700	[32]
		¹ VP2-1550-Reverse	GCAAGATGCATCAGGATC		
		^{2,3} p1	ATGAGTGATGGAGCAGTTC	1745	[36]
		^{2,3} vPR	TTTCTAGGGTGCTAGTTGAG		
		⁴ 41-FOX2	GCCCTTGTTAGACGC		
CDV	P gene	¹ DMV 1	ATGTTTATGATCACAGCGGT	429	[33]
		¹ DMV 2	ATTGGGTTGCACCACTTGTC		
CCoV	M gene	¹ CCV1	TCCAGATATGTAATGTTCCGG	409	[34]
		¹ CCV2	TCTGTTGAGTAATCACCAGCT		
	M gene (CCoV-I)	² CCoV1a	GTGCTTCCTCTTGAAGGTACA	239	[37]
		² CCoV2	TCTGTTGAGTAATCACCAGCT		
	M gene (CCoV-II)	² Can1F	TAACATTGCTCTCAGGGAATTTG	202	[37]
		² CCoV2	TCTGTTGAGTAATCACCAGCT		
	S gene (CCoV-I)	² EL1F	CAAGTTGACCGTCTTATTACTGGTAG	346	[37]
		² EL1R	TCATATACGTACCATTATAGCTGAAGA		
	S gene (CCoV-IIa)	² S5	TGCATTTGTGTCTCAGACTT	694	[37]
² S6		CCAAGGCCATTTTACATAAG			
RoV	NSP3 region	² CEPol-1	TCTACAATTATGGCTCTATCAC	370	[38]
		² TGSP-2	TAATCACCTAAMACCACATCTG		
RoV	NSP3 region	¹ NVP3-FDeg	ACCATCTWCACRTRACCCTC	87	[35]
		¹ NVP3-R1	GGTCACATAACGCCCTATA		
		⁵ NVP3-Probe	ATGAGCACAATAGTTAAAAGCTAACA CTGTCAA		

Primers used for ¹detection, ²typing, and ³sequencing of CAcV (canine adenovirus), CPV-2 (canine parvovirus type 2), CDV (canine distemper virus), CCoV (canine coronavirus), and RoV (rotavirus); ⁴additional internal primers used for sequencing. ⁵probe labeled with reporting dye (6-FAM) and with quenching dye (MGB).