SUPPLEMENTARY DATA

Table S1. Summary of the specie-specific panels for virological molecular investigations.

	ROE DEER AND FALLOW DEER	FOX	BADGER AND PINE MARTEN	PORCUPINE
BOCAVIRUS	BoV spp	CBoV 1 CBoV 2 CBoV 3 BoV spp	CBoV 1 CBoV 2 CBoV 3 BoV spp	BoV spp
PARVOVIRUS	--	CPV FPV	CPV FPV	--
ADENOVIRUS	--	CAdV 1 CAdv 2	CAdV 1 CAdv 2	--
TORQUE TENO VIRUS	--	TTV1 TTV2	TTV1 TTV2	--
PESTIVIRUS	BVDV Pestivirus spp	--	--	--
MORBILLIVIRUS	--	CDV	CDV	--
BOPIVIRUS	BopV spp	--	--	--
KOBUVIRUS	KoV spp	KoV spp	KoV spp	KoV spp
CORONAVIRUS	CoV spp	CoV spp	CoV spp	CoV spp
ASTROVIRUS	AstV spp	AstV spp	AstV spp	AstV spp

Table S2. The primer sets used in the study.

	PRIMERS SEQUENCES	MELTING T° (°C)	AMPLION LENGTH (bp)	REFERENCE
CBoV 1	Fw1: CARTGGTAYGCTCCMATYTTTAA Rw1: TGGCTCCCGTCACAAAAKATRTG Fw2: TGGTAYGCTCCMATYTTTAAYGG Rw2: GCTCCCGTCACAAAAKATRTGAAC	55	400	Kapoor et al., 2012
CBoV 2	Fw: AGGTCGGCCACTGGCTGT Rw: CAGCTTAACGGCATTCACTA	55	128	Lau et al., 2012
CBoV 3	Fw1: CAGATTTGGGGGTCCTGCAT Rw1: GCACTGTCTGCGCTGAAAAA Fw2: ATGCCGTCACCAATCCACAT Rw2: AGCTTGTGGTGGACAGTAGC	55	173	Li et al., 2013
BoV spp	Fw: GCCAGCACNGGNAARACMAA Rw: CATNAGNCAYTCYTCCCACCA	55	141	Lau et al., 2012
CPV	Fw: ACAAGATAAAAGACGTGGTGTAACTCAA Rw: CAACCTCAGCTGGTCTCATAATAGT	55	193	Schatzberg et al., 2003
FPV/CPV	Fw: ACAAGATAAAAGACGTGGTGTAACTCAA Rw: CAACCTCAGCTGGTCTCATAATAGT	55	83	Ndiana et al., 2021
CAdV	Fw: CGCGCTGAACATTACTACCTTGTC Rw: CCTAGAGCACTTCGTGTCCGCTT	58	CAdV-1: 508 CAdV-2: 1030	Hu et al., 2001
TTV 1	Fw: CGGGTTCAGGAGGCTCAAT Rw: GCCATTCGGAACTGCACTTACT	55	305	Segales et al., 2009
TTV 2	Fw: TCATGACAGGGTTCACCGGA Rw: CGTCTGCGCACTTACTTATATACTCTA	55	252	Segales et al., 2009
BVDV	Fw: ATGCCCWTAGTAGGACTAGCA	53	288	Vilcek et al., 1994

	Rw: TCAACTCCATGTGCCATGTAC			
Pestivirus spp	Fw: GATGCCATGTGGACGAGGGC Rw: CATGTGCCATGTACAGCAGAG	55	150	Goto et al., 2021
CDV	Fw: ACTTCCGCGATCTCCACTGG Rw: GCTCCACTGCATCTGTATGG	60	177	Conceição-Neto, 2017
BopV spp	Fw: CTGRGCAAGTTCACCAACAA Rw: GTCCATGACAGGGTGAATCA	52	627	Laszlo et al., 2021
KoV spp	Fw: TGGAYTACAAGTGTTTTGATGC Rw: ATGTTGTTRATGATGGTGTTGA	53	216	Reuter 2009
CoV spp	Fw1: GGKTGGGAYTAYCCKAARTG Rw1: TGYTGTSWRCARAAYTCRTG Fw2: GGTTGGGACTATCCTAAGTGTGA Rw2: CCATCATCAGATAGAATCATCAT	48	440	Chu et al., 2011
AstV spp	Fw1a: GARTTYGATTGGRCKCGKTAYGA Fw1b: GARTTYGATTGGRCKAGGTAYGA Fw2a: CGKTAYGATGGKACKATHCC Fw2b: AGGTAYGATGGKACKATHCC Rw: GGYTTKACCCACATNCCRAA	50	422	Chu et al., 2008

Table S3. Accession number of the sequences entered on the GenBank database and results of their analysis with the Blast software.

	Species	**GenBank Accession Number**	**Sequence Length**	**Reference Sequence**	**Percent Identity**	**E Value**
CAdV1	Fox	CAdV/fox/894/IT OP851367	497	Y07760.1	99,8%	0.0
	Badger	CAdV/badger/153/IT OP851366	497	Y07760.1	99,6%	0.0
KoV	Roe deer	kov/roedeer/149/IT OP851362	218	KF781169.1	96,33%	$1e^{-94}$
	Fox	kov/fox/580/IT OP851364	193	JN387133.1	94,33%	$8e^{-76}$
	Badger	Kov/badger/540/IT OP851365	233	KF781169.1	92,86%	$2e^{-78}$
	Porcupine	kov/porcupine/1243/IT OP851363	218	KF781169.1	96,79%	2e-96
AstV	Roe deer	Mastv/roedeer/32/IT OP851369	344	MK004956.1	74,24%	$1e^{-11}$
	Fox	Mastv/fox/1195/IT OP851368	362	MW504559.1	75,42%	$1e^{-17}$
BopV	Fallow deer	Bopv/fallowdeer/675/IT OP851370	562	MZ436972.1	94,66%	0.0