

Primer Target	Name	Sequence	Application	Reference
VDV (RdRp)	VDV-F2	TATCTTCATTA AAAACCGCCAGGCT	qPCR	This study
VDV (RdRp)	VDV-R2a	CTTCCTCATTA AACTGAGTTGTTGTC	qPCR	This study
DWV (RdRp)	DWV-F2	TGTCTTCATTA AAGCCACCTGGAA	qPCR	This study
DWV (RdRp)	DWV-R2a	TTTCCTCATTA AACTGTGTCGTTGAT	qPCR	This study
DWV (RdRp)	DWV-F1a	GGAAACATCTG GAATTAGCGACAAA	Stand' curve	This study
VDV (RdRp)	VDV-F1a	GAAAACATTTG GAATTAGCAACGAC	Stand' curve	This study
DWV/VDV (RdRp)	DWVDV-7A-R	AATCCGTGAAT ATAGTGTGAGG	Stand' curve	This study
SBPV	SPV-F3177	GCGCTTTAGTT CAATTGCC	qPCR	[1]
SBPV	SPV-B3363	ATTATAGGACG TGAAAATATAC	qPCR	"
ABPV	ABPV-F6548	TCATACCTGCC GATCAAG	qPCR	[2]
KBV	KBV-F6639	CCATACCTGCT GATAACC	qPCR	"
IAPV	IAPV-F6627	CCATGCCTGGC GATTAC	qPCR	"
ABPV/IAPV	KIABPV-B6707	CTGAATAACTG TGCGTATC	qPCR	"
BQCV	BQCV-F7893	AGTGCCGGAG ATGTATGC	qPCR	[3]
BQCV	BQCV-B8150	GGAGGTGAAGT GGCTATATC	qPCR	"
SBV	SBV-F3164	TTGGAACTACG CATTCTCTG	qPCR	"
SBV	SBV-B3461	GCTCTAACCTC GCATCAAC	qPCR	"
β -actin	Am-actin2-qF	CGTGCCGATAG TATTCTTG	qPCR	"
β -actin	Am-actin2-qB	CTTCGTCACCA ACATAGG	qPCR	"

Table S1. List of RT-PCR primers used in this study alongside their use and reference.

1. de Miranda, J.R. *et al.* (2010). Genetic characterization of slow bee paralysis virus of the honeybee (*Apis mellifera* L.). *J. Gen. Virol.*, 91, 2524-2530.
2. de Miranda, J.R., Cordoni, G., & Budge, G. (2010). The Acute bee paralysis virus-Kashmir bee virus-Israeli acute paralysis virus complex. *J. Invertebr. Pathol.*, 103, S30-47 (2010)
3. Locke, B., Forsgren, E., Fries, I., & de Miranda, J.R. (2012). Acaricide treatment affects viral dynamics in *Varroa destructor*-infested honey bee colonies via both host physiology and mite control. *Appl. Environ. Microb.*, 78, 227-235.