

Table S1. List of crRNA primers used in this study.

Primer	Sequence 5' to 3'	Description
crRNA NT forward primer (#446)	CACCGCAGGGTTTTCCAGTCACGACGTTGTAA AA	Target Control (Cox, D.B.T. <i>et al.</i> , 2017) [35]
crRNA NT reverse primer (#447)	CAACTTTTACAACGTCGTGACTGGGAAAACCC TGC	Target Control (Cox D.B.T. <i>et al.</i> , 2017) [35]
crRNA N#1 forward primer (#529)	CACCCGTGACTGGTCTAACAATGCCACTGCGTT CT	Target BoDV-1 N mRNA
crRNA N#1 reverse primer (#530)	CAACAGAACGCAGTGGCATTGTTAGACCAGTC ACG	Target BoDV-1 N mRNA
crRNA N#2 forward primer (#531)	CACCGAACAAACGCAGCGTGACGTCCTGGGAT TAG	Target BoDV-1 N mRNA
crRNA N#2 reverse primer (#532)	CAACCTAATCCCAGGACTGCACGCTGCGTTTGT TC	Target BoDV-1 N mRNA
crRNA N#3 forward primer (#448)	CACCCCGTTAATCCAATCTATAGCCTCATGTGGA T	Target BoDV-1 N mRNA
crRNA N#3 reverse primer (#449)	CAACATCCACATGAGGCTATAGATTGGATTAAACG G	Target BoDV-1 N mRNA
crRNA N#4 forward primer (#533)	CACCACTCCTTTATAGTAGTGACGTAGTCATCT G	Target BoDV-1 N mRNA
crRNA N#4 reverse primer (#534)	CAACCAGATGACTACGTACACTACTATAAAGGA GT	Target BoDV-1 N mRNA
crRNA N#5 forward primer (#450)	CACCGCGCCCGGCTGGATGGTGGAGGCCCGGT AGC	Target BoDV-1 N mRNA
crRNA N#5	CAACGCTACCGGGCCTCCACCATCCAGCCGGGC	Target BoDV-1 N

reverse primer (#451)	GC	mRNA
crRNA N#6 forward primer (#535)	CACCATTATGGCAGAGATCTCACCTGAGAGCTC TG	Target BoDV-1 N mRNA
crRNA N#6 reverse primer (#536)	CAACCAGAGCTCTCAGGTGAGATCTCTGCCATA AT	Target BoDV-1 N mRNA
crRNA L#1 forward primer (#569)	CACCTAGCAAGTAATAGTCACAGGATGCCAGG TTC	Target BoDV-1 M/G/L mRNA
crRNA L#1 reverse primer (#570)	CAACGAACCTGGCATCCTGTGACTATTACTTGC TA	Target BoDV-1 M/G/L mRNA
crRNA L#2 forward primer (#470)	CACCTGAGGAGGAGAACAGGGTCAAGTTGAAG CAG	Target BoDV-1 M/G/L mRNA
crRNA L#2 reverse primer (#471)	CAACCTGCTTCAACTTGACCCTGTTCTCCTCCT CA	Target BoDV-1 M/G/L mRNA
crRNA L#3 forward primer (#571)	CACCAGTACCCGCAATTGAACATCTGATCCAAC TG	Target BoDV-1 M/G/L mRNA
crRNA L#3 reverse primer (#572)	CAACCAGTTGGATCAGATGTTCAATTGCGGGTA CT	Target BoDV-1 M/G/L mRNA
crRNA L#4 forward primer (#573)	CACCCAAGGTAAGTGCAACCTTCCAAATAAGGT TG	Target BoDV-1 M/G/L mRNA
crRNA L#4 reverse primer (#574)	CAACCAACCTTATTTGGAAGGTTGCACTTACCT TG	Target BoDV-1 M/G/L mRNA
crRNA L#5 forward primer (#575)	CACCCTTGCCAATGAGAATCCCGAGACAATAAC TC	Target BoDV-1 M/G/L mRNA
crRNA L#5	CAACGAGTTATTGTCTCGGGATTCTCATTGGCA	Target BoDV-1

reverse primer (#576)	AG	M/G/L mRNA
crRNA L#6 forward primer (#577)	CACCAGGCTAACCTGAACGACTGTAAGCTCCG ATA	Target BoDV-1 M/G/L mRNA
crRNA L#6 reverse primer (#578)	CAACTATCGGAGCTTACAGTCGTTCAAGGTTAGC CT	Target BoDV-1 M/G/L mRNA

Table S2. List of primers and probes used in this study.

Primer	Sequence 5' to 3'	Description
BoDV-1 gRNA probe (p24)	FAM-AGAACCCCTCCATGATCTCAGACCCAGA-TAMRA	Real-time RT-PCR (Hayashi, Y. <i>et al.</i> , 2009) [83]
BoDV-1 gRNA-specific RT primer for huP2Br strain (MH49)	TGTTGCGCTAACAACAAACCAATCAC	Real-time RT-PCR (Hayashi, Y. <i>et al.</i> , 2009) [83]
BoDV-1 gRNA-forward primer for huP2Br strain (OU91)	ATGCATTGACCCAACCAGTC	Real-time RT-PCR (Teng, D <i>et al.</i> , 2019) [27]
BoDV-1 gRNA-reverse primer for huP2Br strain (OU92)	ATCATTCGACAGCTGCTCCCTTC	Real-time RT-PCR (Teng, D <i>et al.</i> , 2019) [27]
BoDV-1 N-forward primer (OU277)	GGAGCCGAGCAGATCAAGAA	Real-time RT-PCR (Teng, D <i>et al.</i> , 2019) [27]
BoDV-1 N-reverse primer (OU278)	CACAAAGGAGCCTACCCAGG	Real-time RT-PCR (Teng, D <i>et al.</i> , 2019) [27]
BoDV-1 L probe	FAM-CGAGGCATCCGTGGTCAGCAGAT-TAMRA	Real-time RT-PCR (Teng, D <i>et al.</i> , 2019) [27]
BoDV-1 L-forward primer for huP2Br strain	GGAAGCGCCCCGTGTT	Real-time RT-PCR (Teng, D <i>et al.</i> , 2019) [27]
BoDV-1 L-reverse primer for huP2Br strain	CCCCCACAGTGATTCGCTTA	Real-time RT-PCR (Teng, D <i>et al.</i> , 2019) [27]
Human GAPDH-forward primer (OU67)	AGCGAGATCCCTCCAAAATC	Real-time RT-PCR (Kojima, S. <i>et al.</i> , 2014) [84]

Human GAPDH- reverse primer (OU68)	AAATGAGCCCCAGCCTTCTC	Real-time RT-PCR (Kojima, S. <i>et al.</i> , 2014) [84]
HPRT1- forward primer (HPSF-F: OU383)	GGACTAATTATGGACAGGACTG	Real-time RT-PCR (Honda, T. <i>et al.</i> , 2020) [85]
HPRT1- reverse primer (HPSF-R: OU384)	GCTCTTCAGTCTGATAAAATCTAC	Real-time RT-PCR (Honda, T. <i>et al.</i> , 2020) [85]
L3MBTL1- forward primer (#1058)	AGAGGGACAACCCACTGCTA	Real-time RT-PCR (Wang, Q. <i>et al.</i> , 2019) [59]
L3MBTL1- reverse primer (#1059)	GGCCTTCTGCTCCTCTAGGT	Real-time RT-PCR (Wang, Q. <i>et al.</i> , 2019) [59]