

Table S1. BTV TCID₅₀/mL in blood meal for infection groups.

Treatment Group	BTV-10 TCID₅₀/mL	BTV-17 TCID₅₀/mL	Total TCID₅₀/mL
Negative control blood meal	N/A	N/A	N/A
BTV-10 blood meal	1 x 10 ⁵	N/A	1 x 10 ⁵
BTV-17 blood meal	N/A	1 x 10 ⁵	1 x 10 ⁵
BTV-10 & BTV-17 blood meal	5 x 10 ⁴	5 x 10 ⁴	1 x 10 ⁵

Table S2. GenBank accession # for BTV-17 & BTV-10 segments.

Nucleic Acid Segment	BTV-17 CO 2018	BTV-10 ATCC CA 1952
1	OQ798198	MW456747
2	OQ798199	MW456748
3	OQ798200	MW456749
4	OQ798201	MW456750
5	OQ798202	MW456751
6	OQ798203	MW456752
7	OQ798204	MW456753
8	OQ798205	MW456754
9	OQ798206	MW456755
10	OQ798207	MW456756

Table S3. Probe targets.

Probe	Probe Description	NCBI sequence	Nucleotide position
Negative	DapB	ACD provided	ACD provided
Positive Control C1	Cso-TSA-m41748	GAWM01010754	2-954
Positive Control C2	Cso-V-ATPase16	AY752855	2-668
C1	V-BTV17-segment2-VP2-C1	OQ798199	1801-2839
C2	V-BTV10-segment2-VP2-C2	JQ740772 and MW456748	184 – 1168

Table S4. Hybridization and signal detection steps

Hybridization reagent	Incubation Temp	Incubation Time
AMP1	40° C	30min
AMP2	40° C	15min
AMP3	40° C	30min
AMP4	40° C	15min
AMP5	Room Temp	30min
AMP6	Room Temp	15min
C2 (red) Signal detection	Room Temp	10min
AMP7	40° C	15min
AMP8	40° C	30min
AMP9	Room Temp	30min
AMP10	Room Temp	15min
C1 (green) Signal detection	Room Temp	10min