

**S2 Table:** Additional RT-LAMP primer sets for SLEV and WEEV

<b>Primer Name</b>	<b>Genome position<sup>1</sup></b>	<b>Sequence<sup>2</sup></b>	<b>Source</b>
SLEV-C F3	176-193	GTAGAAACCGGGTTGTCAATA	New
SLEV-C B3	383-364	GATGGTGTCTAGCATRGATC	
SLEV-C FIP (F1c + F2)	247-227; 176-193	<u>ATGGCTAGTATGAACCGCACG</u> + CTTGACGGGGTTGAAGAG	
SLEV-C BIP <sup>3</sup> (B1c + B2)	268-288; 340-323	<u>CAGCTCTACAGCCAACTGAGG</u> + AGGTGTTTCAATGCCGTT	
SLEV-C LF	215-194	ATCCAGCAGACTTCCAAGTATC	
SLEV-C LB	290-307	GCTGAAGCGCAGATGGAG	
WEEV nsP1 F3	1376-1394	CCGTCTTTGACTCATTGT	New
WEEV nsP1 B3	1643-1626	CCTGCCTCTTGATAATG	
WEEV nsP1 FIP (F1c + F2)	1529-1512; 1455-1472;	<u>TCTTGCTGTAAGCCACGC</u> + GCTTGAACCAACTGTCAA	
WEEV nsP1 BIP (B1c + B2)	1549-1568 1621-1604	<u>GCGGAAGAGATCAGAGAAGC</u> + CTACTTCTGCCTCTACGG	
WEEV nsP1 LF	1493-1476	ATTGTAATAGCCGGTGCG	
WEEV nsP1 LB	1576-1594	CCCTTGCTCCCTGAAATAG	

<sup>1</sup> Genome positions are based on SLEV strain Kern217 (Genbank DQ525916.1) and WEEV strain Montana-64 (Genbank GQ287643.1).