

Supplementary Table S1. Sequences of primers and probe for the RT-RAA assay for WUXV

Primers/Probe	Sequence (5'-3')	Genomic position ^a
WUXV_S_F	ctggacagtccatcctcgagtgagcagc	1,301–1,330
WUXV_S_R	gttaggcggaagtggatgggaggaggatgc	1,520–1,491
WUXV_S_Probe [*]	Actccttggcaccctctggagacatcctc[FAM-dT]c(THF)[TAMRA-dT]gcatcttcttggcttacc[C3-spacer]	1,404–1,459

Note. ^{*}Probe modifications: FAM, 6-carboxyfluorescein; THF, tetrahydrofuran; TAMRA, Carboxytetramethylrhodamine; C3-spacer, 3' phosphate blocker; ^aThe primer and probe locations in the genome were based on the S gene sequence of SXVQ1872-1 Wuxiang virus (WUXV) strain (GenBank Access No.: MT786487.1).

Supplementary Table S2. Comparison of WUXV detection in sandflies examined by RT-RAA and sequencing

Year	Location	Strain	GenBank accession no.	Sequencing	RT-RAA
2019	Wuxiang	SXWX1917-1	MT877566.1	Pos	Pos
2019	Wuxiang	SXWX1917-4	MT877568.1	Pos	Pos
2019	Wuxiang	SXWX1918-3	MT877569.1	Pos	Pos
2019	Wuxiang	SXWX1920-2	MT877571.1	Pos	Pos
2019	Wuxiang	SXWX1920-3	MT877572.1	Pos	Pos
2019	Wuxiang	SXWX1922-1	MT877575.1	Pos	Pos
2019	Wuxiang	SXWX1923-4	MT877577.1	Pos	Pos

Note. Pos: positive; Neg: negative; WUXV: Wuxiang virus.