

Electronic Supplementary Material

Metagenomic Profiling of Viruses Associated with *Rhipicephalus microplus* Ticks in Yunnan Province, China

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Supporting information to DOI: 10.1007/s12250-020-00319-x

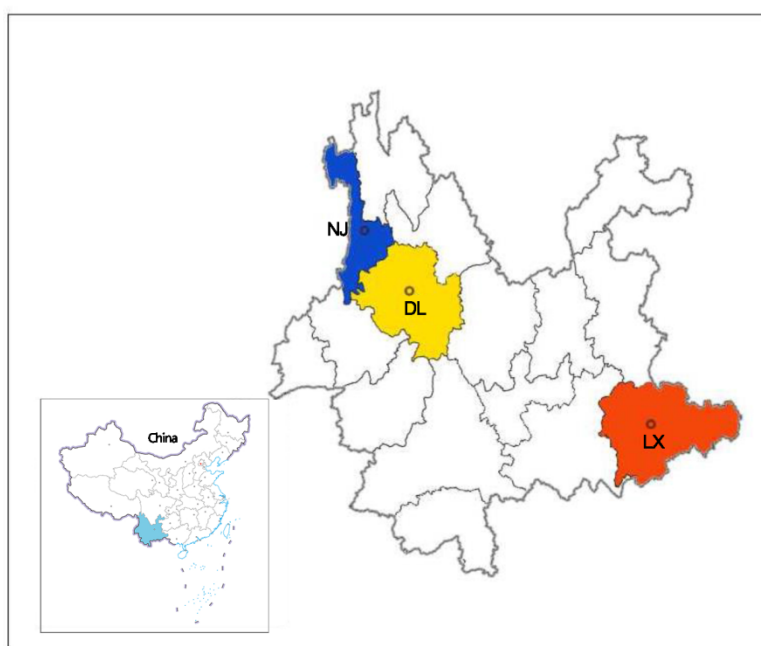


Fig. S1 Tick collection sites. The Yunnan Province is highlighted in light blue within a map of China. And Nujiang Lisu Autonomous Prefecture (NJ), Dali Bai Autonomous Prefecture (DL) and Luxi County (LX) in Yunnan Province are respectively colored by dark blue, yellow and orange.

Table S1. Primer pairs used for PCR in molecular investigation of viruses

	Primer pairs	Sequence of primers	Product length (bp)
YN-MV1	YN1/F1	TCACTGAGCAGGAATACTTTG	530
	YN1/R1	CCTTAGATCGGACGACATAC	
	YN1/F1in	TGAGCAGGAATACTTTGAT	480
	YN1/R1in	AATACTCCCTTGGACAGC	
	YN1/F2	ACTACGCCCTGGTGAATC	497
	YN1/R2	GCCCTTGCCGCTATCTTA	
	YN1/F2in	TCGCACGGTGTTCGTTCCCT	440
	YN1/R2in	GCCGCTATCTTATGTTCCTTCT	
YN-rhabdoV1	YN2/F1	GGGTCAACTTCATGTTCCGGAC	427
	YN2/R1	GAGGCATCGCTTGGTCCTC	
	YN2/F1in	ATCACATTTTGGAGTGGGCAA	339
	YN2/R1in	GGTTGCTGGCTTGCATTCTAC	
	YN2/F2	GTCAAACGCCATCTTCGAAAA	518
	YN2/R2	CTCCTTGTGCCACTCCAATGT	
	YN2/F2in	CTCACAGGATGGGACTGGTTT	455
	YN2/R2in	TCAGATGGAGTGAGATCCTCCC	
YN-PLV1	YN3/F1	AGCGACTCAGGAACTCCACG	557
	YN3/R1	GACCCTTCCGTGCTCATTTT	
	YN3/F1in	CCTACGGTTTGGCAGTCCTCA	481
	YN3/R1in	GTTTGCCAGATTCGTTCCCTC	
	YN3/F2	GCCCTCATCATCAAAGAAACCA	524
	YN3/R2	ATCACTGCATCCGTGACCACCT	
	YN3/F2in	TCCTGACCAGAGGAACGAATCT	375
	YN3/R2in	GACTCGGGGTTTCTTTTGCTGA	
YN-flaviV	YN4/F1	GCTCAAGACCACTGTAGCGT	550
	YN4/R1	GCACTACACCCAATCACGGA	
	YN4/F1in	TACGTGTCGGCGTACTGTTT	480
	YN4/R1in	CGGAGTACGTTAGGCAGCTC	
	YN4/F2	TGGATCTCCCGTGCCATTTT	510
	YN4/R2	AGCATGGCAACTCACCTCAA	
	YN4/F2in	GATCTTCGTGTCCCAACCCG	470
	YN4/R2in	CGTTCAAGAGGGCTTTGCTC	
YN-BHKV2	YN5/F1	GGCTCGGCACTTCCTTTTC	510
	YN5/R1	CTGCCTTGCGGAGTTTTCCTAATA	
	YN5/F1in	CCGCTACTGTGCTGAGGGAGGTT	200
	YN5/R1in	TCATCTGATTTACTGGGTTCTA	
YN-MV2	YN6/F1	AGCCGCATGATCAGGGACAAG	533
	YN6/R1	ATAGGGCAGAGTACATAGAGC	
	YN6/F1in	GTATGGGTGGTGGTGGAAATGTGTC	370
	YN6/R1in	CTGGCGGGTGTGCTGGTTGG	

	YN6/F2	GACGCAGGCACCCATTCTTG	
	YN6/R2	GGGGTCCAGTGCACCTCTTCTTG	455
	YN6/F2in	GCGGGTATAGCCACAAGTTCC	
	YN6/R2in	CCCCCATGCCTGACGAT	288
YN-PLV2	YN7/F1	CTCCGCCGGCTCCGCTCCTTC	
	YN7/R1	TTCCACTACTCCCGCTTCTTCAAA	316
	YN7/F1in	TGCGTTCGAGGATCGGTTTT	
	YN7/R1in	TGTTGGTGACATTCTGGGGT	144
YN-FLV 1	YN8/F1	TGACGAAGGGCCCAAAGAGCAT	
	YN8/R1	GCGCGTCATCATCAACAAACAGAG	266
	YN8/F1in	GCGGGGGCGGGTGTGTC	
	YN8/R1in	AGAGCGCTGCCGGAATGTTGG	182
YN-PLV3	YN9/F1	AGGCCACACTTTGCCTTAG	
	YN9/R1	GAAGGCCTGAGACCGATGAA	436
	YN9/F1in	CTCCACCACTTTGGCTCTGT	
	YN9/R1in	GCACTGTTCTGACCTTGCCA	390