

Additional file 1. Biomolecular methods used for TBPs screening and sequencing, detailed information about bacterial/viral species, PCR method used, target gene, primers, nucleotide sequence and probes, amplicon size and bibliography references.

Species	PCR method	Target gene	Primer	Nucleotide sequence 5' → 3'	Amplicon	Reference
<i>Ehrlichia</i> spp.	PCR groEL		groEL643f	ACTGATGGTATGCARTTTGAYCG	600-bp (1)	
			groEL1236r	TCTTTRCGTTTCYTTMACYTCAACTTC		
<i>Neoehrlichia mikurensis</i>	HRM Real-time PCR 16S rRNA		F	GGGGATGATGTCAARTCAGCAY	257-bp (2)	
			R	CACCAGCTTCGAGTTAAGCCAAT		
	PCR 16S rRNA		fD1	AGAGTTTGATCCTGGCTCAG	760-bp (3)	
			Ehr16SR	TAGCACTCATCGTTTACAGC		
<i>Borrelia b.</i> s.l.	Real-time PCR 23S rRNA		Bb23Sf	CGAGTCTTAAAAGGGCGATTTAGT	75-bp (4)	
			Bb23Sr	GCTTCAGCCTGGCCATAAATAG		
			Bb23Sp-FAM	AGATGTGGTAGACCCGAAGCCGAGTG		
	PCR groEL		GF	TACGATTTCTTATGTTGAGGG	310-bp (5)	
			GR	CATTGCTTTTCGTCTATCACC		
<i>Rickettsia</i> spp.	Real-time PCR gltA		RKND03f	GTGAATGAAAGATTACACTATTTAT	-	(6)
			RKND03r	GTATCTTAGCAATCATTCTAATAGC		
			RKND03-FAM	CTATTATGCTTGCGGCTGTCCGGTTC		
	Nested PCR gltA-outer		RpCS.877p	GGGGCCCTGCTCACGGCGG	381-bp (7)	
			RpCS.1258n	ATTGCAAAAAGTACAGTGAACA		
	Nested PCR gltA-inner		RpCS.896p	GGCTAATGAAGCAGTGATAA	337-bp (7)	
RpCS.1233n			GCGACGGTATACCCATAGC			
<i>Coxiella</i> spp.	Real-time PCR icd		icd-439f	CGTTATTTTACGGGTGTGCCA	76-bp (8)	
			icd-514r	CAGAATTTTCGCGGAAAATCA		
			icd-464-FAM	CATATTCACCTTTTCAGGCGTTTTGACCGT		
TBEV	Real-time PCR		TBE-f	TGGGCGGTTCTTGTTCTCC	-	(9)
			TBE-r	TCACACATCACCTCCTTGTCAGA		
			TBE-FAM	CTGAGCCACCATCACCCAGACACAG		

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