

Supplementary Table S1. Trypanosomes band sizes expected and primers sequences

PCR DNA sequence target	Primer sequence (5'-3')	Trypanosomes species and band sizes	References
Mono-specific primer			
Specific PCR target Microsatellite	TVW 1: CTGAGTGCTCCATGTGCCAC	<i>T.vi</i> (150 bp)	[19]
	TVW 2: CCACCAGAACACCAACCTGA		
	TBR1: 5' CGAATGAATATTAACAATGCGCAG 3'	<i>T.br</i> (173 bp)	[19]
	TBR2: 5' AGAACCATTATTAGCTTTGTTGC 3'		
	TCS1: 5' CGAGCGAGAACGGGCAC 3'	<i>T.cs</i> (321 bp)	[19]
	TCS2: 5' GGGACAAACAAATCCCGC 3'		
	TCF1: 5' GGACACGCCAGAAGGTACTT 3'	<i>T.cf</i> (350 bp)	[19]
	TCF2: 5' GTTCTCGCACCAATCCAAC 3'		
	TSM1: 5'CCGGTCAAAAACGCATT3'	<i>T.s</i> (437 bp)	[19]
	TSM2: 5'AGTCGCCCGGAGTCGAT3'		
	TST1: 5' GTCCTGCCACCAGATATGC 3'	<i>T.s.t</i> (450 bp)	[19]
	TST2: 5' CGAGCATGCAGGATGGCCG 3'		
	TthCATL1: 5' CGTCTCGGCTCCGGTCAAAC 3'	<i>T.th</i> (273 bp)	[19]
	DT0155: 5' TTAAAGCTTCCACGAGTTCTTGATGATCCAGTA 3'		
Multi-specific primer			
ITS1 PCR, target non-coding DNA between 18S and 5.8S rDNA genes	ITS1 CF: CCGGAAGTTCACCGATATTG	<i>T.vi</i> (250 bp); <i>T.br</i> (480 bp); <i>T.cs</i> (700 bp); <i>T.cf</i> (710 bp); <i>T.s</i> (400 bp); <i>T.s.t</i> (370 bp); <i>T.th</i> (273 bp)	[15]
	ITS1 BR: TTGCTGCGTTCTTCAACGAA		
Nested ITS PCR target partial 18S, ITS1, 5.8S, ITS2 and partial 28S rDNA genes	ITS1: 5'- GATTACGTCCCTGCCATTG-3'	<i>T.vi</i> (620 bp); <i>T.br</i> (1,215 bp); <i>T.cs</i> (1,408-1,501 bp); <i>T.cf</i> (1,408-1,501 bp); <i>T.s</i> (847 bp); <i>T.s.t</i> (951 bp); <i>T.th</i> (998 bp)	[16]
	ITS2: 5'-TTGTTTCGCTATCGGTCCTCC-3'		
	ITS3: 5'-GGAAGCAAAGTCGTAACAAGG-3'		
	ITS4: 5'-TGTTTTCTTTCTCCCGCTG-3'		

T.vi, trypanosome vivax; *T.br*, trypanosome brucei; *T.cs*, trypanosome congolense savanha; *T.cf*, trypanosome congolense foret; *T.s*, Trypanosoma simiae; *T.s.t*, Trypanosoma simiae tsavo; *T.th*, trypanosome tehileri; PCR, polymerase chain reaction.