

**Table S1** Oligonucleotides and PCR conditions used for the molecular identification and/or characterization of the intestinal protist parasites investigated in Tengchong City, southwest China.

Enteric pathogen	Locus	Primers name	Primer (5'-3')	Amplicon size (bp)	Cycling conditions	Reference
<i>Giardia duodenalis</i>	<i>tpi</i>	AL3543	AAATIATGCCTGCTCGTCC	605	Denaturation: 94 °C for 45 s	[49]
		AL3546	CAAACCTTITCCGCAAACC		Annealing: 50 °C for 45 s	
		AL3544	CCCTTCATCGGIGGTA ACTT	530	Elongation: 72 °C for 1 min	
		AL3545	GTGGCCACCACICCCGTGCC		No. cycles: 35	
<i>Cryptosporidium</i> spp.	<i>ssu-rRNA</i>	Primer F1	TTCTAGAGCTAATACATGCG	1,325	Denaturation: 94 °C for 1 min	[48]
		Primer R1	CCCATTTTCCTTCGAAACAGGA		Annealing: 55 (1 <sup>st</sup> ) or 58 (2 <sup>nd</sup> ) °C for 1 min	
		Primer F2	GGAAGGGTTGTATTTATTAGATAAAG	840	Elongation: 72 °C for 1 min	
		Primer R2	CTCATAAGGTGCTGAAGGAGTA		No. cycles: 35	
<i>E. histolytica</i>	<i>ssu-rRNA</i>	E1	TGCTGTGATTA AAAACGCT	1,947	Denaturation: 94 °C for 1 min	[50]
		E2	TTAACTATTTCAATCTCGG		Annealing: 47 (1 <sup>st</sup> ) or 58 (2 <sup>nd</sup> ) °C for 1 min	
		Eh-L	ACATTTTGAAGACTTTATGTAAGTA	427	Elongation: 72 °C for 1 min	
		Eh-R	CAGATCTAGAAACAATGCTTCTCT		No. cycles: 35	
<i>Blastocystis</i> sp.	<i>ssu-rRNA</i>	Forward	GGAGGTAGTGACAATAAATC	1,100	Denaturation: 94 °C for 1 min	[47]
		Reverse	ACTAGGAATTCCTCGTTCATG		Annealing: 54 °C for 1 min	
					Elongation: 72 °C for 1 min	
					No. cycles: 35	

*ssu rRNA*, small subunit ribosomal RNA; *tpi*, Triose phosphate isomerase