

**Supplementary Table S1.** PCR cycling conditions used for molecular identification and/or characterisation of *Giardia duodenalis*, *Cryptosporidium* spp. and *Balantioides coli* in the present study.

Target pathogen	Locus	Temperature and time						Reference
		Initial denaturation	Denaturation	Annealing	Extension	No. cycles	Final extension	
<i>Giardia duodenalis</i>	<i>ssu</i> rRNA	95°C 15 min	95°C 15 s	60°C 1 min	72°C 30 s	45	–	Verweij et al. (2003)
	<i>ssu</i> rRNA	95°C 2 min	95°C 45 s	58/55°C 30 s	72°C 45 s	35	72°C 4 min	Appelbee et al. (2003)
	<i>gdh</i>	95°C 3 min	95°C 30 s	55°C 30 s	72°C 1 min	35	72°C 7 min	Read et al. (2004)
	<i>bg</i>	95°C 7 min	95°C 30 s	65/55°C 30 s	72°C 1 min	35	72°C 7 min	Lalle et al. (2005)
	<i>tpi</i>	94°C 5 min	94°C 45 s	50°C 45 s	72°C 1 min	35	72°C 10 min	Sulaiman et al. (2003)
<i>Cryptosporidium</i> spp.	<i>ssu</i> rRNA	94°C 3 min	94°C 40 s	50°C 40 s	72°C 1 min	35	72°C 10 min	Tiangtip and Jongwutiwes (2002)
<i>Cryptosporidium canis</i>	<i>gp60</i>	94°C 5 min	94°C 45 s	52/50°C 45 s	72°C 80 s	35	72°C 10 min	Jiang et al. (2021)
<i>Cryptosporidium felis</i>	<i>gp60</i>	95°C 4 min	95°C 30 s	55°C 30 s	72°C 90 s	35	72°C 7 min	Rojas-Lopez et al. (2020)
<i>Cryptosporidium ryanae</i>	<i>gp60</i>	94°C 5 min	94°C 45 s	55°C 45 s	68°C 1 min	35	68°C 10 min	Yang et al. (2020)
<i>Cryptosporidium ubiquitum</i>	<i>gp60</i>	94°C 5 min	94°C 45 s	58/55°C 45 s	72°C 1 min	35	72°C 7 min	Li et al. (2014)
<i>Balantioides coli</i>	ITS	94°C 10 min	94°C 1 min	60°C 1 min	72°C 1 min	30	72°C 5 min	Ponce-Gordo et al. (2011)

*bg*:  $\beta$ -giardin; *gdh*: Glutamate dehydrogenase; *gp60*: 60 kDa glycoprotein; *ssu* rRNA: Small subunit ribosomal RNA; *tpi*: Triose phosphate isomerase; ITS: Internal transcribed spacer.