

Additional File 1. Expected fragment sizes (in base pairs) from digestion of 18S rDNA PCR products of bovine *Sarcocystis* species with *FokI* and *Bfal*

	FokI	Bfal
<i>S. cruzi</i>	321, 535 ¹⁻³	108, 360, 388 ¹⁻³
<i>S. hirsuta</i>	77, 81, 207, 518 ¹⁻⁶	403, 480 ¹⁻⁴ (or 210, 270, 403 ⁵ or 108, 372, 402 ⁶)*
<i>S. bovifelis</i> #	/ ¹⁻⁵	108, 353, 380 ¹⁻³ (or 30, 108, 350, 356 ⁴ or 70, 108, 309, 359 ⁵)
<i>S. bovini</i> #	/ ¹⁻⁶	108, 356, 380 ¹⁻⁴ (or 108, 145, 214, 379 ⁵ or 380, 464 ⁶)
<i>S. hominis</i>	/ ¹⁻³ (or 324, 528 ⁴)	382, 474 ¹⁻⁴
<i>S. heydorni</i> #	/ ^{1,2}	108, 368, 389 ^{1,2}

Small numbers mark the corresponding gene sequences with accession numbers.

S. cruzi (1: JX679467; 2: AF017120; 3: KT901167)

S. hirsuta (1: KT901166; 2: KC209741; 3: JX855283; 4: KT901158; 5: KT901157; 6: AF017122)

S. bovifelis (1: KT901138; 2: KT901130; 3: KT901123; 4: KT901117; 5: KT901131)

S. bovini (1: KT901139; 2: KT901140; 3: KT901142; 4: KT901155; 5: KT901146; 6: KT901141)

S. hominis (1: JX679470; 2: AF176944; 3: KF954731; 4: JX679471)

S. heydorni (1: KX057996; 2: KX057997)

/ = No digestion

S. bovini, *S. bovifelis* and *S. heydorni* cannot be unambiguously differentiated from each other by the 18S rDNA PCR-RFLP.

*Digestion profiles shown in brackets are possible but rare.