



0.1

Uncollapsed maximum likelihood phylogenetic tree obtained from cytochrome b (cyt b) fragment, including all sequences of *Panstrongylus* species available in GenBank (collapsed tree shown in Fig. 6). The 11 individuals recognised as *P. rufotuberculatus* were grouped into two well supported clades, clearly separated from the remaining seven *Panstrongylus* species. Gray circles denote bootstraps support above 0.75 and black circles above 0.9.



SUPPLEMENTARY DATA

TABLE
Gen Bank Accession Numbers ITS-2 fragments used in Fig. 5

Species	Number of sequences	GenBank Acc. Numbers (bold sequences used in fig. 5)	Geographic origin. More details Table I
<i>Panstrongylus</i>			
	1	MZ647516	Bolivia (La Paz)
<i>P. rufotuberculatus</i>	6	MZ647517 ; MN505078-81, MN505085	Colombia (Guajira); Ecuador (Manabí + S. Domingo)
	2	AJ306545 - 46	Colombia (Norte Santander), Ecuador (El Oro)
	10	MN505071 -77, MN505082-84	Ecuador (Loja + Manabi)
<i>P. chinai</i>	10	AJ306547 , MN505056-64	
<i>P. howardi</i>	6	MN505065 -70	
<i>P. geniculatus</i>	2	AJ306543 -44	
<i>P. herreri</i> *	2	AJ306550 -51	
<i>P. lignarius</i> *	2	AJ306548 -49	
<i>P. megistus</i>	27	AJ286886 , AJ306542, HF678452-60, HF678462-77	
<i>Triatoma</i>			
<i>T. hegneri</i>	2	AM286726 -27	
<i>T. mexicana</i>	2	AM286728 , JQ282710	
<i>T. gerstaeckeri</i>	2	AM286734 , JQ282707	
<i>T. pallidipennis</i>	6	AJ286882 , AM286729-30, AY860395, AY860403, JX872262	
<i>T. longipennis</i>	4	AJ286883 , AY860397-98, KC698909	
<i>T. barberi</i>	2	AJ293590 , JX872261	
<i>T. bassolsae</i>	5	AM286724 , AY860394, AY860400-02	
<i>T. bolivari</i>	2	AM286725 , JQ282701	
<i>T. brailovskyi</i>	2	JQ282704 , JQ282706	
<i>T. brasiliensis</i>	1	AJ293591	
<i>T. dimidiata</i>	2	KT874449 , MN505086	
<i>T. flavida</i>	1	AM286732	
<i>T. infestans</i>	1	AJ286874	
<i>T. lecticularia</i>	3	AY860405 -07	
<i>T. mazzottii</i>	4	AJ286885 , AY860392-93, KC698911	
<i>T. nitida</i>	2	AM286733 , JX872260	
<i>T. phyllosoma</i>	17	AJ286881 , HQ185165-68, HQ185170/74/78/80/82-84/87-90, KC698912	
<i>T. picturata</i>	2	AY860399 , AY860404	
<i>T. protracta</i>	4	JQ282713 -15, JX872263	
<i>T. recurva</i>	1	JQ282716	
<i>T. rubida</i>	4	AM286735 , AY860389-91	
<i>T. ryckmani</i>	2	AM286731 , JX872266	
<i>T. sanguisuga</i>	4	JX872264 -65, JX890270, KF142511	
<i>T. sordida</i>	1	AJ293589	
<i>Dipetalogaster</i>			
<i>D. maxima</i>	1	AJ286887	

*: *Panstrongylus herreri* and *P. lignarius* are considered the same species.