

Table S2. Description of the polymorphic nucleotide positions of the hsp70 F-fragment sequence of 88 *L. donovani* complex strains from the Mediterranean area.

Reference <i>Leishmania</i> sp. WHO code	hsp70 Seq (var)	Variant nucleotides positions									ZMON	N. strains
		266	370 [*]	423	474	854	888	892	978	1082		
<i>L. donovani</i> MHOM/KE/55/LRC		G	C	G	G	C	G	C	C	A		
	<i>don</i> (1)	.	.	.	.	.	.	.	.	.	2, 18, 30	5
<i>L. infantum</i> MHOM/FR/78/LEM75		A	T	G	G	C	G	C	C	A		
	<i>inf</i> (2)	.	.	.	.	.	.	.	.	.	all [§]	67
	<i>inf</i> (3)		.	K	R	.	.	.	.	.	1	1
	<i>inf</i> (4)	.	.	.	.	Y	.	Y	S	.	1	2
	<i>inf</i> (5)	.	.	.	.	.	.	.	.	R	24	1
	<i>inf</i> (6)	N	Y	.	.	.	C	.	.	.	24	1
	<i>inf</i> (7)	R	Y	.	.	.	S	.	.	.	24	9
	<i>inf</i> (8)	R	Y	.	.	.	R	.	.	.	24	1
	<i>inf</i> (9)	N	Y	.	.	.	R	.	.	.	24	1
Total												88

Hsp70 sequence variants (Seq var) were found by the alignment of 88 *L. donovani* complex strains with the *L. donovani* MHOM/KE/55/LRC (MN728785) (*don*1) and *L. infantum* MHOM/FR/78/LEM75 (LN907838) (*inf*2) reference strains available in GenBank. Highlighted in red, the most represented polymorphic positions 266, 370, 888 in the variants *inf*(6-9) with respect to reference strains. * Species-specific position discriminating *L. donovani* and *L. infantum* according to [40]; § all the *L. infantum* zymodemes analyzed in this study.