

**Supplementary Table S1.** *Leishmania infantum* reference strains used as markers in the MLEE analysis together with their electromorphs for the different loci.

<b>WHO code</b>	<b>Zymodeme</b>	<b>MDH</b>	<b>PGD</b>	<b>G6PD</b>	<b>GLUD</b>	<b>NP1</b>	<b>GOT1</b>	<b>GOT2</b>	<b>GPI</b>
MHOM/FR/78/LEM-75	MON-1	100	100	100	100	100	100	100	100
MHOM/FR/80/LEM-189	MON-11	104	100	105	100	130	100	100	100
MHOM/DZ/82/LIPA59	MON-24	104	100	100	100	140	100	100	100
MHOM/ES/90/BCN-61	MON-28	104	100	102	100	140	100	100	100
MHOM/ES/81/BCN1	MON-29	104	100	105	100	140	100	100	100
MHOM/DZ/83/LIPA120	MON-34	104	100	100	100	100	100	100	100
MHOM/FR/84/LEM-538									
MHOM/DZ/83/LEM-425	MON-80	104	100	100	100	130	100	100	100
MHOM/SD/62/3S	MON-81	112	100	100	100	150	100	100	100
*MHOM/IN/00/DEVI	MON- 2	104	93	100	100	140	113	113	100
*MHOM/CN/00/WANGJIE-1	MON-35	104	100	100	150	150	113	113	86

Electromorph values are relative to those of *L. infantum* zymodeme MON-1, which has an electrophoretic mobility (EM) of 100 for all 15 enzymic loci. For the strains in the table, the non-shown loci have an EM = 100. (\*) *Leishmania donovani* strains.