**Supplemental Table 2**. GenBank kDNA sequences used in the analyses of genetic diversity.

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| **GenBank SEQUENCES** |
| **Species/Genus** | **Strain/clone name** | **GenBank Accession Number** |
| *L.* (*L.*) *donovani* | MHOM/IN/80/DD8 a | AF167712.1 |
| MHOM/CN/80/STRAIN-A | AF168358.1 |
| MHOM/SD/95/SIGIN | AF169136.1 |
| MHOM/SD/97/RHD-48 | AF169135.1 |
| MHOM/SD/95/MSA2  | AF169134.1 |
| MHOM/KE/75/MUTINGA-H9  | AF184892.1 |
| MHOM/ET/67/HU3  | AF103742.1 |
| MHOM/SD/97/RLD1 | AF103737.1 |
| MHOM/SD/85/A22 | AF103736.1 |
| *L.* (*L.*) *infantum* | MHOM/ES/81/LEM307 | AF188701.1 |
| MHOM/TN/80/IPT1 a | Z35274.1 |
| MHOM/FR/91/LEM-2298 | AF190475.1 |
| MHOM/ES/97/LLM-710 | AJ275335.1 |
| MHOM/DZ/85/LIPA141 | AF169133.1 |
| MHOM/ES/98/LLM-735 | AJ275326.1 |
| MHOM/FR/78/LEM75 | AF103735.1 |
| MHOM/UK/88/CILLONICZ | AF103740.1 |
| MHOM/SU/84/MARZ-KRIM | AF190476.1 |
| *L. amazonensis* | Lam-331 | EU370875.1 |
| MHOM/BR/00/Raimundo | M21326.1 |
| Lam-324 | EU370871.1 |
| *L. amazonensis* | M94088.1 |
| *L. amazonensis* | Z11556.1 |
| *L. mexicana* | *L. mexicana* | Z11555.1 |
| *L. (S). tarentolae* | Strain C-1 clone KSR1 | K01978.1 |
| LEM125 Clone ND9-VIa | AF380753.1 |
| LEM125 Clone ND8-VIb | AF380752.1 |
| Strain UC - Clone D7 | X04110.1 |
| LEM125 - clone RPS12-VIII  | AF380747.1 |
| *L.* (*V.*) *braziliensis* |  MHOM/BR/75/M2904 | M87315.1 |
| *L.* (*V*)*. guyanensis* | MOHM/BR/75/M4147 | HQ878382.1 |
| *L.* (*V.*) *panamensis* | MHOM/PA/75/M4037  | AF118474.1 |
| *T. cruzi* | Y strain | X04680.1 |
| Clone 3 | AF401100.1 |