SUPPLEMENTARY MATERIALS 1

*Web of Science database three-part search criteria*

**Part 1:** Search was restricted to papers published between 1993 and 2017.

**Part 2:** Main search string applied to all searches:

(trypanosome OR trypanosoma) AND(paras\* OR protist\* OR protozo\* OR kinetoplas\*) AND ((barcod\* OR bar-cod\* OR “bar cod\*” OR metabarcod\* OR meta-barcod\* OR “meta barcod\*” OR fingerprint\* OR finger-print\* OR “finger print\*” OR sequen\*) NEAR/20 (identif\* OR detect\* OR diagnos\* OR phyloge\* OR tax\* OR classi\* OR species))

**Part 3:** Specific gene regions were identified from the results of initial searches. Further search criteria were then applied specific to each gene region:

AND (18S OR "18 S" OR “small subunit ribosomal RNA” OR “small subunit RNA” OR “SSU rRNA” OR “SSU RNA” OR small subunit (SSU) RNA OR “(SSU) rRNA”)

AND (gGAPDH OR GAPDH OR “GAP-DH” OR "glyceraldehyde 3-phosphate dehydrogenase" OR "glyceraldehyde-3-phosphate dehydrogenase")

AND (ITS\* OR "internal transcribed spacer")

AND (28S OR "28 S" OR “large subunit ribosomal RNA” OR “LSU rRNA” OR “LSU RNA”)

AND (SRA OR "serum resistance associated" OR "serum-resistance associated" OR "serum-resistance-associated" OR "serum resistance-associated")

AND (SLRNA OR SL-RNA OR "SL RNA" OR "Spliced leader RNA" OR "spliced-leader RNA" OR "mini-exon donor RNA" OR "mini exon donor RNA")

AND (70kDa OR "70 kDa" OR HSP70 OR “heat shock protein 70” OR “heat-shock protein 70” OR “HSP 70” OR “HSP-70”)

AND (5S OR "5 S")

AND (20S OR "20 S")

AND (kDNA OR "kinetoplast DNA" OR "k DNA" OR k-DNA)