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Further evidence from SSCP and ITS DNA sequencing support *Trypanosoma evansi* and *Trypanosoma equiperdum* as subspecies or even strains of *Trypanosoma brucei*

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Table 1 The strains of *T. evansi*, *T. brucei* and *T. equiperdum* used in this study.

| Stock | Species | Host origin | Geographical origin | Year of isolation | Haplotype Number | ITS data sources |
|------------|----------------------|---------------|---------------------|-------------------|------------------|------------------|
| STIB 815 | <i>T. evansi</i> | Horse | China, Guangdong | 1964 | H_6 | KU552349 |
| STIB 807 | <i>T. evansi</i> | Water buffalo | China Guangdong | 1979 | H_17 | KU552344 |
| STIB 817 | <i>T. evansi</i> | Mule | China, Guangdong | 1964 | H_8 | KU552351 |
| STIB 810 | <i>T. evansi</i> | Water buffalo | China, Zhejiang | 1985 | H_2 | KU552346 |
| STIB 812 | <i>T. evansi</i> | Water buffalo | China, Yunnan | 1987 | H_7 | KU552348 |
| STIB 816 | <i>T. evansi</i> | Camel | China, Xinjiang | 1978 | H_9 | KU552350 |
| STIB 811 | <i>T. evansi</i> | Water buffalo | China, Hunan | 1982 | H_4 | KU552347 |
| STIB 780 | <i>T. evansi</i> | Camel | Kenya | 1982 | H_5 | KU552341 |
| STIB 821 | <i>T. evansi</i> | unknown | unknown | unknown | H_10 | KU552353 |
| CPO GZ | <i>T. evansi</i> | Water buffalo | China, Guangdong | 2005 | H_16 | KU552357 |
| STIB 808 | <i>T. evansi</i> | Water buffalo | China, Jiangsu | 1985 | H_1 | KU552345 |
| STIB 804 | <i>T. evansi</i> | Water buffalo | China, Guangdong | 1981 | H_15 | KU552343 |
| STIB 942 | <i>T. brucei</i> | unknown | unknown | unknown | H_25 | KU552356 |
| STIB 920 | <i>T. brucei</i> | Hartebeest | Tanzania | 1971 | H_23 | KU552355 |
| STIB 777 | <i>T. brucei</i> | Tsete fly | Uganda | 1971 | H_24 | KU552340 |
| STIB 818 | <i>T. equiperdum</i> | Horse | China, Beijing | 1979 | H_18 | KU552352 |
| STIB 841 | <i>T. equiperdum</i> | unknown | South Africa | unknown | H_20 | KU552354 |
| STIB 784 | <i>T. equiperdum</i> | unknown | unknown | unknown | H_3 | KU552342 |
| Guangxi | <i>T. evansi</i> | Water buffalo | China, Guangxi | unknown | H_22 | FJ416612 |
| Hubei | <i>T. evansi</i> | Water buffalo | China, Hubei | unknown | H_11 | FJ416613 |
| NW2 | <i>T. brucei</i> | Human | Uganda | 1992 | H_12 | AF306776 |
| Lister 427 | <i>T. brucei</i> | Buffalo | Tanzania | 1956 | H_19 | Eupathdb |
| DAL972 | <i>T. brucei</i> | Human | Daloa, Ivory Coast | 1978 | H_13 | Eupathdb |
| TREU927 | <i>T. brucei</i> | Tsetse | Kenya | 1970 | H_21 | Eupathdb |
| STIB 805 | <i>T. evansi</i> | Water buffalo | China, Jiangsu | 1985 | H_14 | Eupathdb |