

Abstract

Orthogonal-field-alternation gel electrophoresis and DNA blot hybridizations have been used to investigate the genomic relationships among trypanosome clones of subgenus *Nannomonas*. The results indicate that *Trypanosoma (Nannomonas) congolense* comprises at least two distinct groups of parasites that differ in both molecular karyotype and repetitive DNA sequences. A description of these two groups and their distinction from *Trypanosoma (Nannomonas) simiae* is presented.