

# Karyotype variability in *Trypanosoma rangeli*

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The molecular karyotypes of several different protozoan parasites show high intra-species variation, including different kinetoplastids such as *Trypanosoma brucei*, *Trypanosoma cruzi* and *Leishmania* ssp. In this study, the molecular karyotype of *Trypanosoma rangeli* was examined. To evaluate potential intra-species molecular karyotype variations, 16 different samples were studied by pulsed field gel electrophoresis (PFGE) followed by ethidium bromide staining and hybridizations with 6 different probes. The result showed that different *T. rangeli* populations are highly polymorphic regarding the molecular karyotype, and thus suggests that PFGE analysis can be used for classification of different *T. rangeli* isolates. In addition, the molecular karyotype of *T. rangeli* was compared to molecular karyotypes of other kinetoplastids, and was shown to be distinctly different from that of *T. cruzi*, but shows some similarities with the karyotype described for *T. brucei*. Among the probes used one was