Reviewer’s comments on manuscript PNTD-D-22-00915, entitled:

Sequences and proteins that influence mRNA processing in *Trypanosoma brucei*: evolutionary conservation of SR-domain and PTB protein functions

*General*

The authors report on investigations on factors which influence the choice of site for trans-splicing of a capped leader sequence at the 5’end of mRNA in *Trypanosoma brucei*. For the investigations, the authors used a transgenic clone of *T. brucei* maintained by growth in culture.

The paper is in part a methods one, in which the authors describe approaches to finding polypyrimididine tracts (PPTs) active in the trans-splicing in trypanosomes. Since the model used (transgenic L427) is a trypanosome clone which has been maintained in culture for many years and which, therefore, probably can no longer grow in the mammalian host, the authors should be cautious in extrapolating observations made here to the trypanosomes growing in the mammalian host.

The manuscript is well-written and is sufficiently detailed, only requiring a few improvements, as suggested below:

*Specific*
Specific suggestions/comments are below.

**Conclusion**

Accept after revision