## **Expanded View Figures**

## Figure EV1. Centromeric regions of Leishmania major and Trypanosoma brucei.

- A Absence of synteny between the centromeric regions of *L. major* and *T. brucei*: The flanking genes for the chr. #12 centromere in *Leishmania* are LmjF12.0510 and .0520; their orthologues in *T. brucei* are Tb927.1.3560 and Tb927.1.3820; the first one is separated from the centromere of Tb Chr. #1 by one gene, whereas the second one is nearby but separated by an rDNA cluster, several putative genes and two SSRs. Screenshots from TryTripDB.
- B, C L major chromosome 30: centromere (LmKKT1 binding site) and known genome landmarks. (B) View of the whole chromosome. (C) Zoom-in view.

Ln jF.12 Α 1006 600k 400 150k 160k 170k 180k 190k 340 200k 210k 220k 230k 330k e 2. 1. Xe 15% Tb927\_01\_v5.1 0.4M 0.5M 0.62 0.7M 0.0 680k 690k 700k 710k 720k 840k 850k 860k 870k 880k 1621 B10.5 1621 810 10.5 X g 70% with 6%

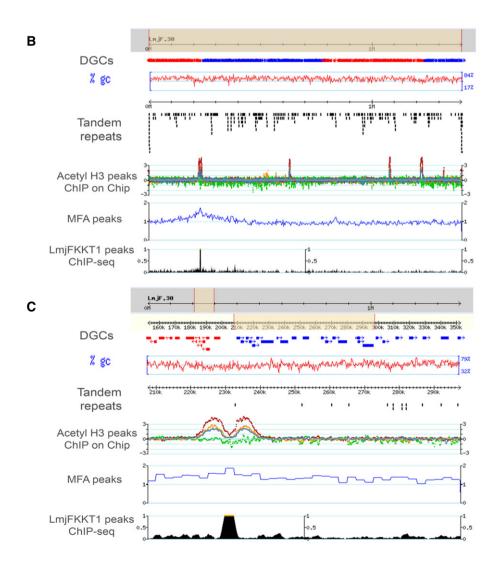


Figure EV1.