Figure S1 Failure to generate a DSB when the I-SceI site is embedded within telomeric-repeat sequence. An I-SceI cleavage site (*) was engineered such that it was embedded within T$_{2}$AG$_{3}$-repeat sequence at the active BES, as indicated in the upper panel. Genomic DNA from this VSG$^{telo}$ strain, following I-SceI induction, was digested with HpaI. The probe used for Southern blotting (lower panel) was an NPT fragment. I-SceI induction failed to cleave the site, as revealed by persistence of the terminal restriction fragment. A plasmid control was digested with HpaI plus I-SceI and the presence of the I-SceI site was also confirmed in T. brucei genomic DNA (data not shown). The ethidium bromide (EtBr) stained gel shows loading. Other details as in Figure 2A-B.