

Description of Additional Supplementary Information

Supplementary Data 1 | Sheet 1 details the UTR-seq data for the blasticidin, positive control arm of the MPRA for fragments in the native orientation relative to transcription. Coordinates for 3'-UTRs, MPRA fragments, indexed reads and statistical analysis are shown. Sheet 2 details the equivalent data for fragments in the inverted orientation relative to transcription. Sheet 3 details the equivalent data for for the ganciclovir negative arm of the MPRA for fragments in the native orientation relative to transcription. Sheet 4 details the equivalent data for fragments in the inverted orientation relative to transcription. Sheet 5 details the known regulatory *T. brucei* 3'-UTRs. Sheet 6 details oligonucleotide sequences.