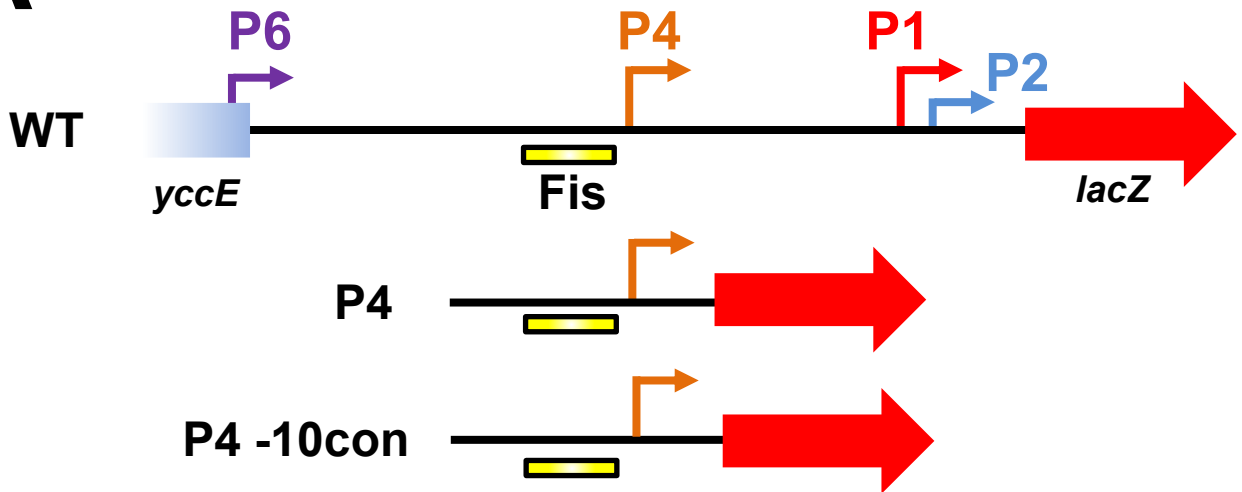
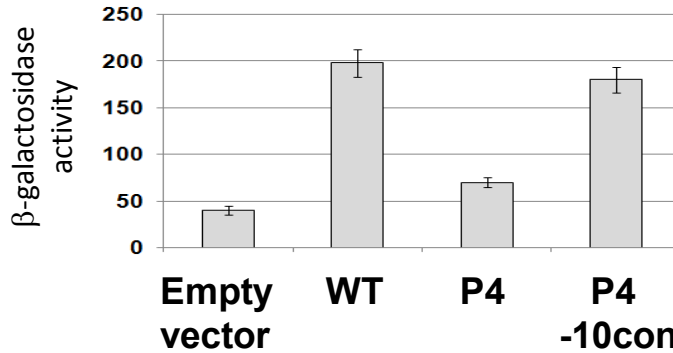


A



B



C

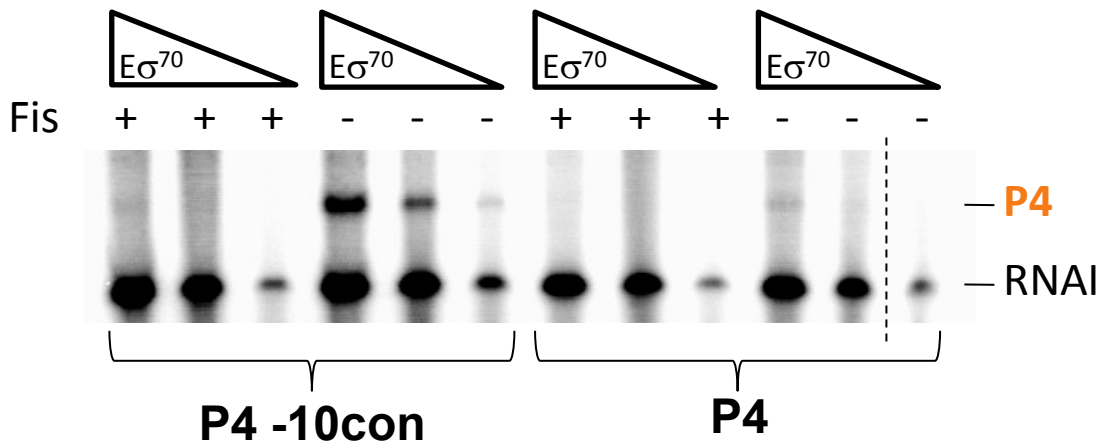


Figure S4: Further characterisation of the *cbpA* P4 promoter. Panel A shows different P4::*lacZ* fusions. The P4 promoter is illustrated by an orange arrow. The Fis binding element is shown as a yellow bar. In the P4 -10con construct the P4 promoter -10 hexamer has been improved from the wild type 5'-TAAAT-3' sequence to 5'-TATAAT-3'. Panel B shows LacZ activity values for each promoter::*lacZ* fusion from growing JCB387 cells. We confirmed that the P4 and P4 -10con promoters produced transcripts of the same length using *in vitro* transcription assays. Thus, DNA fragments carrying P4 or P4 -10con were cloned in plasmid pSR and used as templates for *in vitro* transcription. The repressive effect of Fis on P4 was also confirmed in these experiments (Panel C).