

Table S2 Comparison of transcription at *gyr* promoters of *E. coli*, *M. smegmatis* and *M. tuberculosis*

	<i>E. coli</i>	<i>M. smegmatis</i>	<i>M. tuberculosis</i>	Reference
Gene organization	Distant loci; <i>gyrA</i> -50.32 min, <i>gyrB</i> - 83.5min	Dicistronic operon	Dicistronic operon	8-10
Promoters	Extended -10 - (<i>gyrA</i>) Canonical (-10,-35) - (<i>gyrB</i>)	P _{<i>gyr</i>} - single promoter	P _{<i>gyrB1</i>} , P _{<i>gyrR</i>} - overlapping divergent	
Rate limiting step	Promoter clearance	RP _o formation	Promoter clearance	5,11, This work
Growth Phase Dependent Control	<i>gyr A</i> only	ND ^ψ	↑iNTPs ↓ pppGpp	
RST ^Φ	Promoter proximal elements	CHPS* , promoter distal elements	Overlapping promoters	9,10,12

* Cruciform Hairpin Palindromic Sequence

Φ Relaxation Stimulated Transcription

ψ Not detectable