

Supplementary material

Legends

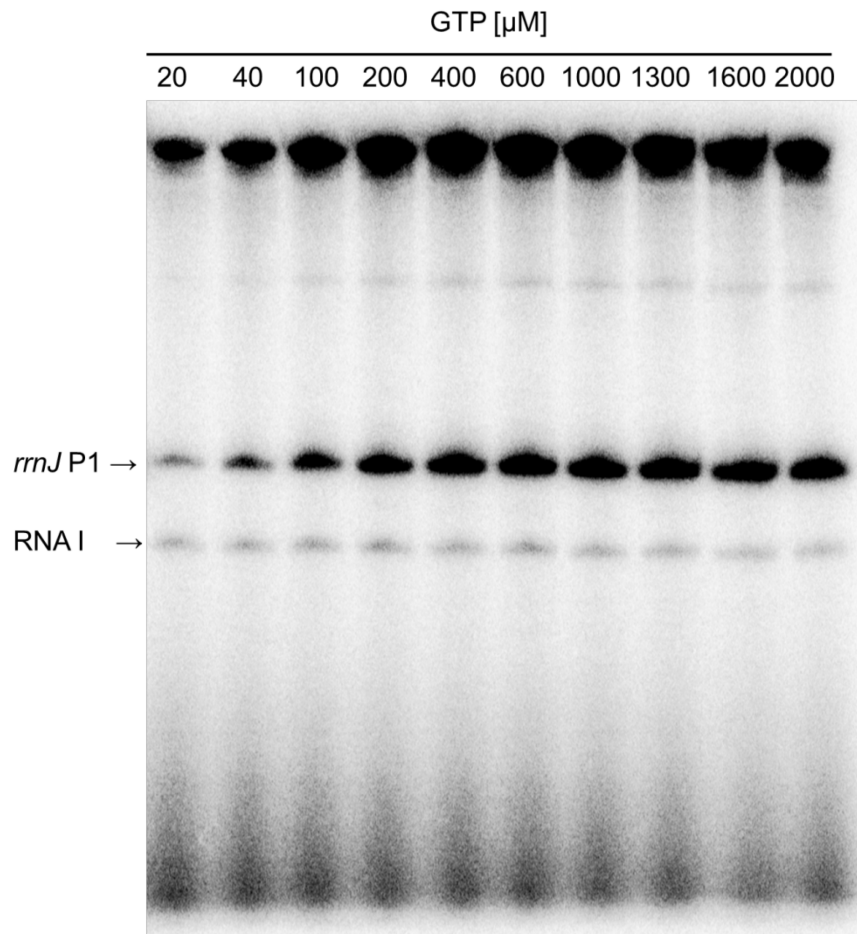
Table S1. Ribosomal RNA promoters from selected bacteria – sources of selected DNA promoter sequences for the alignment shown in the Table 2. The asterisk indicates that the same promoter sequence was found also in *Bacillus cereus* and *Bacillus thuringiensis*.

Fig. S1. An example of a typical gel showing *in vitro* transcriptions used for determination of K_{GTP} . The two main transcripts are indicated: (i) the test transcript (145 nt; here initiated at *rrnJ* P1); and (ii) RNA1 (108 nt) – this transcript starts from a promoter that is part of the plasmid and the transcript regulates the plasmid copy number in the cell. It is not sensitive to GTP as it initiates with ATP.

Table S1.

Code	Bacterium	Name/NCBI	Reference or position in the genome
Bsu	<i>Bacillus subtilis</i>	<i>rrnB</i> P1	(1)
Ban*	<i>Bacillus anthracis</i>	NC_012659.1	82100-82137
	<i>Bacillus cereus</i>	NC_011969.1	82020-82056
	<i>Bacillus thuringiensis</i>	NC_008600.1	9085-9123
Bpu	<i>Bacillus pumilus</i>	NC_009848.1	9341-9374
Lmo	<i>Listeria monocytogenes</i>	NC_012488.1	233724-233760
Pae	<i>Paenibacillus sp.</i>	NC_012914	11265-11302
Sau	<i>Staphylococcus aureus</i>	NC_002951.2	2115415-2115452
Lac	<i>Lactobacillus acidophilus</i>	NC_006814	58867-58902
Spn	<i>Streptococcus pneumoniae</i>	NC_012468	16392-16427
Cdi	<i>Clostridium difficile</i>	NC_009089.1	10649-10685
Cpe	<i>Clostridium perfringens</i>	NC_008261.1	10030-10065
Tte	<i>Thermoanaerobacter tengcongensis</i>	NC_003869	83637-83673
Mag	<i>Mycoplasma agalactiae</i>	NC_009497	614890-614927
Upa	<i>Ureaplasma parvum</i>	NC_002162	145150-145186
Msm	<i>Mycobacterium smegmatis</i>	<i>rrn</i> P1	(2)
Sno	<i>Streptomyces nodosus</i>	<i>rrnD</i> P1	(3)
Eco	<i>Escherichia coli</i>	<i>rrnB</i> P1	(4)
Vch	<i>Vibrio cholerae</i>	<i>rrnA</i> P1	(5)
Sen	<i>Salmonella enteritica</i>	NC_006905	284848-284884

Fig. S1.



Supplemental References

1. Krásný,L. and Gourse,R.L. (2004) An alternative strategy for bacterial ribosome synthesis: *Bacillus subtilis* rRNA transcription regulation. *EMBO J.*, **23**, 4473-83.
2. Gonzalez-y-Merchand,J.A., Colstonl,M.J., Cox,R.A., Hill,M. and Nw,L. (1996) The rRNA operons of *Mycobacterium smegmatis* and *Mycobacterium tuberculosis*: comparison of promoter elements and of neighbouring upstream genes. *Microbiology*, **142**, 667-674.
3. Yap,W.H. and Wang,Y. (1999) Molecular cloning and comparative sequence analyses of rRNA operons in *Streptomyces nodosus* ATCC 14899. *Gene*, **232**, 77-85.
4. Schneider,D.A., Gaal,T. and Gourse,R.L. (2002) NTP-sensing by rRNA promoters in *Escherichia coli* is direct. *Proc. Natl. Acad. Sci. U. S. A.*, **99**, 8602-7.
5. Aiyar,S.E., Gaal,T. and Gourse,R.L. (2002) rRNA Promoter Activity in the Fast-Growing Bacterium *Vibrio natriegens*. *J. Bacteriol.*, **184**, 1349-1358.