

Supporting Information

Kannan et al. 10.1073/pnas.1417334111

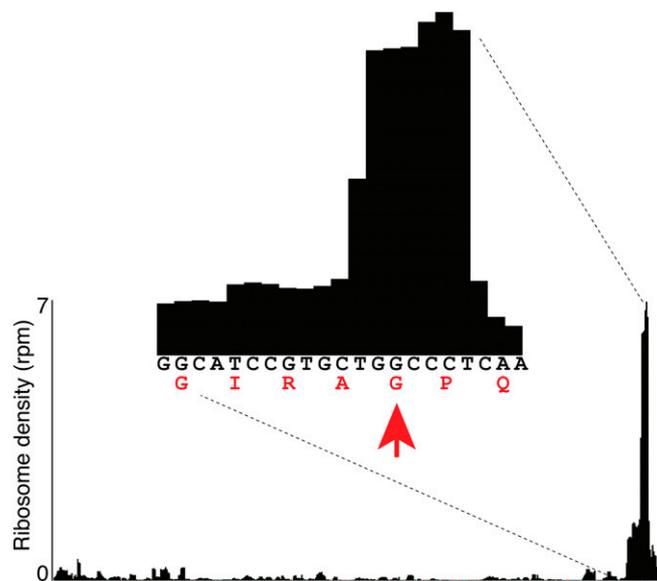


Fig. S1. Translation of *secM* in the absence of antibiotics is arrested when the Gly₁₆₅ codon enters the ribosomal P site (1). Because of the ambiguity of assigning the ribosome placement from the analysis of sequenced protected mRNA fragments, the peak of the computed ribosome density spans the P- and A-site codons of mRNA in the stalled ribosome.

1. Muto H, Nakatogawa H, Ito K (2006) Genetically encoded but nonpolypeptide prolyl-tRNA functions in the A site for SecM-mediated ribosomal stall. *Molec Cell* 22(4):545–552.

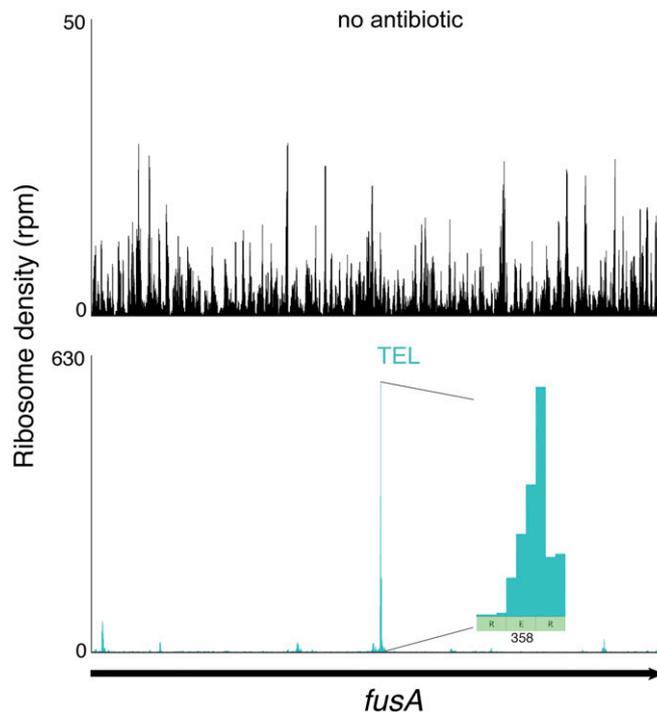


Fig. S2. Ribosome profiling shows TEL-induced ribosome stalling during translation of the *fusA* gene in vivo at the site that agrees with the previous observation of TEL-dependent arrest at the middle codon of the RE₃₅₈R sequence in vitro (1).

1. Kannan K, Vazquez-Laslop N, Mankin AS (2012) Selective protein synthesis by ribosomes with a drug-obstructed exit tunnel. *Cell* 151(3):508–520.

