

Simulation parameters for Fig. 3

Parameter	Value	Note
Stall site identity	CTA	Panel A, B, C
Stall site location (codon number along <i>yfp</i>)	46	Panel A
Initiation rate	[0.019, 0.038, 0.075, 0.15, 0.3, 0.6, 1.2, 2.4] s ⁻¹	Panel A
Stall site locations (codon number along <i>yfp</i>)	15, 46, 68, 141, 201	Panel B, stall sites were added from 5' to 3'.
First stall site location (codon number along <i>yfp</i>)	60	Panel C
Second stall site locations (codon number along <i>yfp</i>)	63, 64, ... 238	Panel C
tRNA accommodation rate at stall site (TJ model)	0.0667s ⁻¹	Panels A, B, C
tRNA accommodation rate at stall site (SAT model)	0.287s ⁻¹	Panels A, B, C
tRNA accommodation rate at stall site (CSAT model)	0.0875s ⁻¹	Panels A, B, C

All other parameters have values shown in Supplementary File 6.