

Strain or plasmid	Relevant Genotype	Average cell length ^a (μm)	Fluor. Recovery Average t _{1/2} (sec) ^b	p value ^c
Host Strain + pGfp-FtsZ				
JC0390	<i>wild type</i>	3.5 ± 0.1	6.2 ± 0.5 (n=18)	-
JC0394	<i>ΔclpX</i>	3.1 ± 0.1	10.6 ± 1.3 (n=38)	0.0037
MV0210	<i>ΔclpP</i>	3.0 ± 0.1	10.6 ± 0.7 (n=27)	<0.0001
MV0256	<i>clpP(S97A)</i>	2.7 ± 0.04	10.4 ± 1.4 (n=30)	0.0072
JC0395	<i>ΔminC</i>	6.1 ± 0.2	10.3 ± 1.2 (n=20)	0.0049
MV0198	<i>ΔslmA</i>	4.4 ± 0.2	11.2 ± 1.7 (n=22)	0.0091
MV0277	<i>ΔzapE</i>	4.3 ± 0.1	9.2 ± 0.8 (n=18)	0.0048
MV03722	<i>clpX-restored</i>	n.d.	8.2 ± 1.4 (n=8)	n.s.
MV03712	<i>clpP-restored</i>	n.d.	8.1 ± 0.6 (n=11)	n.s.
MV03732	<i>minC-restored</i>	n.d.	6.7 ± 1.1 (n=9)	n.s.
MG1655 (JC0390) + plasmid				
pGfp-FtsZ(G105S)		4.0 ± 0.1	12.6 ± 1.5 (n=25)	0.0003
pGfp-FtsZ(R379E)		9.6 ± 0.6	12.1 ± 1.6 (n=26)	0.0013
pGfp-FtsZ(352 _{7A})		n.d.	8.2 ± 1.1 (n=18)	n.s.
pGfp-FtsZ(G105S, R379E)		> 10 μm	13.8 ± 2.3 (n=18)	0.0041
BW27784 zipA-gfp				
MC181		5.4 ± 0.1	5.8 ± 0.6 (n=21)	
MV0226	<i>ΔclpX</i>	4.3 ± 0.1	5.8 ± 0.5 (n=23)	

^a Average cell length was calculated by measuring a minimum of 200 cells; 'n.d.' is not determined.

^b Error values are reported as SEM.

^c p values for each data set compared to wild type strain JC0390 expressing Gfp-FtsZ were calculated by Welch's t test. A p value >0.01 was not significant (n.s.).