

Supplementary Table 1. Localization of SufI-GFP in *fts* mutants

Genetic Background <sup>a</sup>	Growth Conditions			No. of cells scored	Cell Length, Ave $\pm$ SD ( $\mu$ m)	No. of SufI-GFP rings	% of cells with rings	Ring spacing <sup>b</sup>
	Temp	NaCl	Sugar					
WT	30	+	-	195	4.2 $\pm$ 1.0	92	47	9.0
	37	-	-	311	5.0 $\pm$ 1.2	140	45	11
FtsZ(TS)	30	+	-	272	6.2 $\pm$ 1.7	109	36	16
	37	-	-	186	24.2 $\pm$ 8.3	1	1	4500
FtsQ(dep)	30	+	Ara	235	6.7 $\pm$ 3.0	116	49	14
	30	+	Glu	146	34.3 $\pm$ 11.5	4	3	1300
FtsL(dep)	30	+	Ara	243	6.8 $\pm$ 2.0	106	44	16
	30	+	Glu	216	22.1 $\pm$ 6.6	4	2	1200
FtsN(dep)	37	-	Ara	139	5.5 $\pm$ 1.4	63	45	12
	37	-	Glu	152	25.1 $\pm$ 10.8	24	16	160

<sup>a</sup> The strains used were EC1873, EC2065, JOE170/pDSW932, JMG265/pDSW932, and EC1908/pDSW932.

<sup>b</sup> Sum of cell lengths divided by the total number of rings, rounded to two significant figures.