Additional file 1: Strains and plasmids used in this study.

Strain or plasmid	Description	Reference/ Source
***E. coli* K-12**		
DH5α	λφ80d*lacZ* ΔM15 Δ(*lacZYA-argF*)*U169* *recA1 endA1 hsdR17*(r_K^- m_K^-) *supE44 thi-1* *gyrA relA1*	New England Biolabs
TOP10	F- *mcrA* Δ(*mrr-hsdRMS-mcrBC*) φ80lacZΔM15 Δ*lacX74 nupG recA1* *araD139* Δ(*ara-leu*)7697 *galE15 galK16* *rpsL*(Str^R) *endA1* λ^-	Invitrogen
***S.* Typhimurium ATCC14028**		
UMR1	ATCC14028 Nal^r, $cellulose_{28°C}$, curli $fimbriae_{28°C}$	[1]
MAE5	UMR1 *ΔcsgA101*	[1]
MAE14	UMR1 Δ*csgBA101*::Km^r, $cellulose_{28°C}$	[2]
MAE50	UMR1 Δ*csgD101*	[2]
MAE97	UMR1 p*csgD1* Δ*csgBA102*, $cellulose_{28/37°C}$	[2]
MAE98	UMR1 Δ*bcsZ101*::*tetRA*	This study
MAE99	MAE14 Δ*bcsZ101*::*tetRA*	This study

MAE108	Δ*fliC*::Cm Δ*fljB*	[3]
MAE155	UMR1 p*csgD1* Δ*bcsC101:*::MudJ	[4]
MAE222	UMR1 Δ*bcsA101*::MudJ	[4]
MAE224	UMR1 Δ*bcsZ101*::Cm	This study
MAE1254	MAE97 Δ*bcsZ101*::*tetRA*	This study
MAE1263	MAE97 BcsZE56A	This study
MAE1267	UMR1 Δ*bcsA*::GT2PilZ::*tetRA*	This study
MAE1473	Δ*flhDC*::Cm	[5]
MAE1766	Δ*motA*::Cm	[5]
MAE1873	UMR1 *bcsC*-3xFLAG	This study
MAE1900	UMR1 Δ*csgD101* Δ*bcsZ101*::*tetRA*	This study
MAE1903	UMR1 Δ*bcsZ101*::*tetRA* Δ*bcsA101*::MudJ	This study
MAE2124	UMR1 Δ*bcsC101:*::MudJ	This study
MAE2125	UMR1 Δ*bcsZ101*::*tetRA bcsC*-3xFLAG	This study
MAE2126	MAE14 Δ*bcsZ101*::Cm	This study
MAE2127	MAE5 Δ*bcsC101:*::MudJ	This study

Plasmids		
pBAD30	pACYC184 ori; L-arabinose regulated *araC*	[6]

	P_{BAD} promoter; Amp^r	
pKD3	FRT-cat-FRT; Cm^r, Amp^r	[7]
pKD46	$P_{araB}\alpha\beta\gamma$; Amp^r	[7]
pSUB11	3xFLAG-Km^r	[8]
pSRKTc	pBBR1 ori, *lacI*^{q}, P*lacZ*, Tet^r	[9]
pACYC184	pACYC ori; Tet^r	New England Biolabs
pBcsZ	*bcsZ* cloned in *Sac*I/*Sph*I site in pBAD30 with a 8x His-Tag	This study
$pBcsZ_{E56A}$	$bcsZ_{E56A}$ cloned in *Sac*I/*Sph*I site in pBAD30 with a 8x His-Tag	This study

[1], American Type Culture Collection.

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