Supplementary Table 2: Primers used in this study

Primer	Sequence (5'→3')	AT (°C)[a]	PCR product	Source
NPT2_F1 **NPT2_R1**	CTTGCTCGAGGCCGCGATTAAATT TTCCATAGGATGGCAAGATCCTGG	62	Segment of mini-Tn*5* *nptII* gene.	Jones *et al.* (59)
EcN*kfiB*_F **EcN*kfiB*_R**	TAGTCGGACATCCTGGCTCA GCCCTTGATTTTAGCTCTCC	56.3	*kfiB* locus in EcN K5 biosynthesis cluster	This study
EcN*kfiC*_F **EcN*kfiC*_R**	GGGACAAATATTGGTGCTCTTG GTCTTGCCGCGATATCACTA	52.2	*kfiC* locus of EcN K5 biosynthesis cluster	This study
***kfiB*.int_F** [1] ***kfiB*.int _R** [1]	CAACAACAATTAACTTAAATGGAAGGGTAATGAATCCAAATATCGAATTA**AGTGTGCTGGAATTCGCCCT** TCAGATAGTTGAACATTTTTTGAAAGAAATTGGCATGAACTCACCAAATT**CTGCAGAATTCGCCCTTCCT**	70.8	Construction of the *dif* $_{E.\ coli}$ *-cat-dif* $_{E.\ coli}$ cassette (from pTOPO-DifCAT plasmid) for deletion of a 1,552 -nt segment of *kfiB*.	This study
***kfiC*.int_F** [1] ***kfiC*.int _R** [1]	CTTCGAGATTGTGATATATATCCATCAGGTAGAGCTTCTGTTCCTTTATT**AGTGTGCTGGAATTCGCCCT** CAATTCATAAGGAGAAAGTTGATCTTCAACATAAAAACTCGCCTTTAAAA**CTGCAGAATTCGCCCTTCCT**	70.8	Construction of the *dif* $_{E.\ coli}$ *-cat-dif* $_{E.\ coli}$ cassette (from pTOPO-DifCAT plasmid) for deletion of a 1, 257 -nt segment of *kfiC.*	This study
Xer-cise_F ***Xer-cise_R***	AGTGTGCTGGAATTCGCCCT CTGCAGAATTCGCCCTTCCT	58.4	*dif* $_{E.\ coli}$ *-cat-dif* $_{E.\ coli}$ cassette control	This study
RT*kfiA_F* **RT*kfiA_R***	TGTTGGGATTCATGGCTGTA TGCGATTGCTTGTGTTTCTT	52.2	Internal segment of *kfiA*	This study
RT*kfiB_F* **RT*kfiB_R***	GGCTGCATTATGGGAGGTAG TGTTCCAACTGCTCTTGCAC	56.3	Internal segment of *kfiB*	This study
RT*kfiC_F* **RT*kfiC_R***	ATTGTCGCCCAAACAAAAAG ACAATCATCGCACACGAGAA	52.2	Internal segment of *kfiC*	This study
RT*kfiD_F* **RT*kfiD_R***	TTGGTCTGAATACGCGTCAG CCCGTTCCAAAGGTGAGTTA	56.3	Internal segment of *kfiD*	This study

Primer	Sequence (5'→3')	AT (°C)[a]	PCR product	Source
PRL27Prmr 1	GAGTCAGCAACACCTTCTTC	Manoil[2]	Mini-Tn*5* specific 1st round PCR	This study
Primer 2a	GGCCACGCGTCGACTAGTACNNNNNNNNNNAGAG		Degenerate 1st round primer	
Primer 2b	GGCCACGCGTCGACTAGTACNNNNNNNNNNACGCC		Degenerate 1st round primer	Manoil (55)
Primer 2c	GGCCACGCGTCGACTAGTACNNNNNNNNNNGATAT		Degenerate 1st round primer	
PRL27Prmr 3	AGCTTCAGGGTTGAGATGT		Mini-Tn*5* specific 2nd round PCR. Sequencing primer	
Primer 4	GGCCACGCGTCGACTAGTAC		2nd Round primer specific for 2a,b,c overhangs	

[a] AT - Annealing temperature applied in PCRs using listed primers

[1] For primers used for construction of deletion mutants (*kfiB*.int_F/R and *kfiC*.int_F/R; 70-nt in length), underlined sections showregions homologous to termini of target genes. Sections in bold show regions homolgous to the pTOPO-DifCAT vector.

[2] For primers used to amplify regions flanking mini-Tn*5* inserts, AT and PCR conditions are described in the original reference,Manoil (55).

59. Jones BV, Young R, Mahenthiralingam E, Stickler DJ. Ultrastructure of Proteus mirabilis swarmer cell rafts and role of swarming in catheter-associated urinary tract infection. Infect Immun. 2004; 72: 3941-3950.