

Supplementary data

Table 1 Oligonucleotides used in this study

Designation	Endonuclease	Sequence (5' to 3')
EFSecA-NcoI	<i>NcoI</i>	AtaataataaccatggcaaatTTTTGAAAAAATGATCGAAAAC
EFSecA-HindIII	<i>HindIII</i>	Tattattataagcttaagcgtttcttccatgacaattttgaaatttttg
EFSecA-K6N-NcoI	<i>NcoI</i>	AtaataataaccatggccaatTTTTGAAAAAATGATCGAAAAC
EFSecA-XcmI-271	<i>XcmI</i>	Gtcatgaagcacaatcccaccattaattggacacggtacgggaataaac
EFSecA-SpII-2240	<i>SpII</i>	Ataataatagcgtacggtcaaaacaaccattagtagaatatc
EFSecA-HIS6-HindIII	<i>HindIII</i>	Tattattataagcttaagtgatggtgatgatgagcggccggtttcttccatgacaattttg

Table 2 Bacterial strains and plasmids used in this study

Strain/plasmid	Relevant characteristics	Source
<i>E. coli</i> strains		
XL1-Blue	recA1, endA1, gyrA96, thi-1, hsdR17, supE44, relA1, lac[F ⁺ , proAB, lacI ^q ZΔM15, Tn10(tet ^r)]	(Bullock et al., 1987)*
M15[pREP4]	lac, ara, gal, mtl, recA ⁺ , uvr ⁺ , Str ^R , (pREP4: Kan ^R , lacI)	(Stueber et al., 1990)**
Expression plasmids		
pNCO113	<i>E. coli</i> expression vector	(Stueber et al., 1990)
pNCO-EFSecA	pNCO113 vector containing the <i>secA</i> gene of <i>Enterococcus faecalis</i> (EFSecA)	this study
pNCO-EFSecA-K6N	pNCO113 vector containing the EFSecA gene with lysine 6 mutated to asparagine (EFSecA-K6N)	this study
pNCO-EFSecA-K6N-C-HIS6	pNCO113 vector containing the EFSecA-K6N gene with a c-terminal hexahistidine tag	this study

* Bullock, W. O., Fernandez, J. M. & Short, J. M. (1987) *Biotechniques* 5, 376-379.

** Stueber, D., Matile, H. & Garotta, G. (1990). *Immunological Methods IV*, edited by I. Lefkovits, & P. Pernis, pp. 121-125.