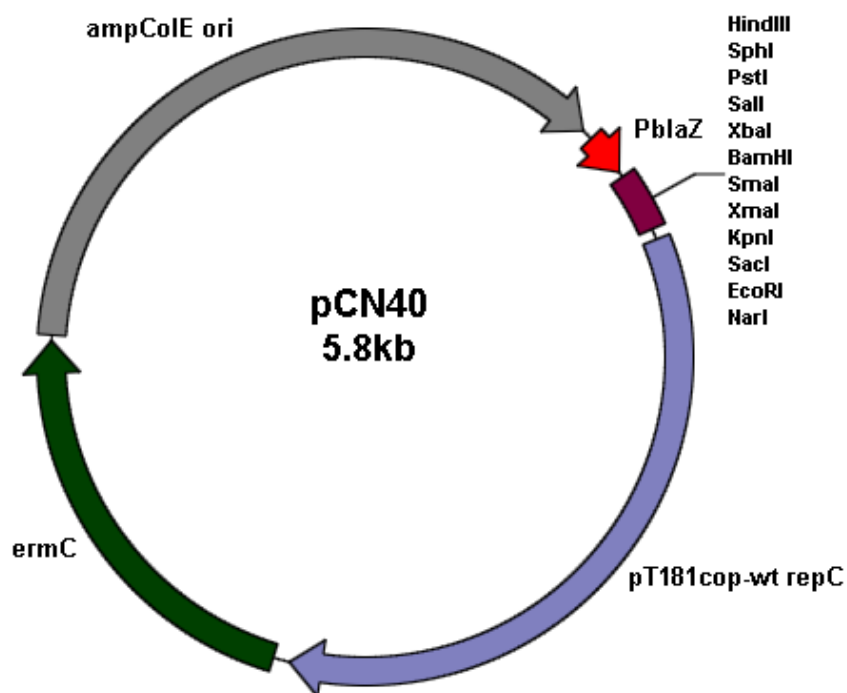


APPENDIX I

Vector map of *E. coli* - *S. aureus* shuttle plasmid pCN40



ColE1 origin of replication for *E. coli*, and pT181-wt-repC origin of replication for *S. aureus*, with constitutive promoter P_{blaZ}, staphylococcal selectable marker erythromycin and ampicillin for *E. coli* with multiple cloning site (MCS) derived from pUC19.

APPENDIX II

> Sequence of SprX1

ACACATGCATCAACTATTTACATCTATCCTTGTTACCCCAAGCATGTCACTGGGTGTTTT
TTCTTATGATAGAGAGCATAGTTTTCATACTACTCCCTCGTAGTATATATGACTTTAGCA
TTCCCGTATAAATAGTTTACGGGGTGCTTTTTTATGTT

> Sequence of SprX2

ACACATGCATCAACTATTTACATCTATCCTTGTTACCCCAAGCATGTCACTGGATGTTTT
TTCTTGCGATAGAGAGCATAGTTTTCATACTACTCCCCGTAGTATATATGACTTTAGCAT
TCCCGTATAACAGTTTACGGGGTGCTTTTTTATGTT

> Sequence of SprX3

ACACATGCATCAACTATTTACATCTATCCTTGTTACCCCAAGCATGTCACTGGATGTTTT
TTCTTGCGATAGAGAGCATAGTTTTCATACTACTCCCCGTAGTATATATGACTTTAGCAT
TCCCGTATAACAGTTTACGGGGTGCTTTTTTATGTT

> Sequence of WalR

ATGCAAATGGCTAGAAAAGTTGTTGTAGTTGATGATGAAAAACCGATTGCTGATATTTTA
GAATTTAACTTAAAAAAGAAGGATACGATGTGTACTGTGCATACGATGGTAATGATGCA
GTCGACTTAATTTATGAAGAAGAACCAGACATCGTATTACTAGATATCATGTTACCTGGT
CGTGATGGTATGGAAGTATGTCGTGAAGTGCGCAAAAAATACGAAATGCCAATAATAATG
CTTACTGCTAAAGATTCAGAAATTGATAAAGTGCTTGGTTTAGAACTAGGTGCAGATGAC
TATGTAACGAAACCGTTTAGTACGCGTGAATTAATCGCACGTGTGAAAGCGAACTTACGT
CGTCATTACTCACAACCAGCACAAGACACTGGAAATGTAACGAATGAAATCACAATTAAA
GATATTGTGATTTATCCAGACGCATATTCTATTAAAAAACGTGGCGAAGATATTGAATTA
ACACATCGTGAATTTGAATTGTTCCATTATTTATCAAACATATGGGACAAGTAATGACA
CGTGAACATTTATTACAAACAGTATGGGGCTATGATTACTTTGGCGATGTACGTACGGTC
GATGTAACGATTCGTCGTTTACGTGAAAAGATTGAAGATGATCCGTCACATCCTGAATAT
ATTGTGACGCGTAGAGGCGTTGGATATTTCTCCAACAACATGAGTAG

> Sequence of IsaA

ATGAAAAAGACAATTATGGCATCATCATTAGCAGTGGCATTAGGTGTAACAGGTTACGCA
GCAGGTACAGGACATCAAGCACACGCTGCTGAAGTAAACGTTGATCAAGCACACTTAGTT
GACTTAGCGCATAATCACCAAGATCAATTAAATGCAGCTCCAATCAAAGATGGTGCATAT

GACATCCACTTTGTAAAAGATGGTTTCCAATATAACTTCACTTCAAATGGTACTACATGG
TCATGGAGCTATGAAGCAGCTAATGGTCAAACGCTGGTTTCTCAAACGTTGCAGGTGCA
GACTACACTACTTCATACAACCAAGGTTCAAATGTACAATCAGTAAGCTACAATGCACAA
TCAAGTAACTCAAACGTTGAAGCTGTTTCAGCTCCAACCTACCATAACTACAGCACTTCA
ACTACTTCAAGTTCAGTGAGATTAAGCAATGGTAATACTGCAGGTGCTACTGGTTCATCA
GCAGCTCAAATCATGGCTCAACGTACTGGTGTTTCAGCTTCTACATGGGCTGCAATCATC
GCTCGTGAATCAAATGGTCAAGTAAATGCTTACAACCCATCAGGTGCTTCAGGTTTATTC
CAAACCTATGCCAGGTGGGGTCCAACAAACACTGTTGACCAACAAATCAACGCAGCTGTT
AAAGCATACAAAGCACAAAGGTTTAGGTGCTTGGGGATTCTAATTCCTTCATAATAAATAA
AAGTAATGTTTAGACATTAAATATATAGCTCTTCCCATAGAAATTGGGGAGAGTTTTTTT
ATTAA

> Sequence of LytM

ATGTTTGATAATAAAGAATATAGCTATACATTCGTAGATGCTCAAGGACATACGCATTA
TTTTTATAACTGTTATCCAAAAAATGCAAATGCCAATGGAAGCGGCCAAACATATGTGA
ATCCAGCAACAGCAGGAGATAACAATGACTACACAGCGAGTCAAAGCCAACAGCATATT
AATCAATATGGTTATCAATCAAATGTAGGTCCAGACGCGAGCTATTATTCACATAGTAA
CAACAACCAAGCGTATAACAGCCATGATGGTAATGGAAAGGTCAATTATCCTAATGGCA
CATCTAATCAAAATGGTGGATCAGCAAGTAAAGCGACAGCTAGTGGTCATGCGAAAGAC
GCAAGCTGGTTAACAAGTCGTAAACAACCTACAACCATATGGACAATATCACGGTGGTGG
TGCGCATTACGGTGTGCGACTATGCAATGCCTGAAAATTCACCAGTTTACTCATTAAGT
ATGGTACAGTAGTACAAGCAGGTTGGAGTAACTATGGTGGCGGCAATCAAGTAACGATT
AAAGAAGCGAACAGTAATAACTACCAATGGTATATGCATAATAATCGTTTAACTGTTTC
AGCTGGTGATAAAGTCAAAGCTGGTGACCAAATTGCATATTCAGGTAGTACGGGTAATT
CAACAGCGCCTCACGTACACTTCCAACGTATGTCTGGTGGCATCGGTAATCAATATGCA
GTAGACCCAACGTCATACTTGCAAAGTAGATAA

APPENDIX III

Table A-1: SDS-Gel loading buffer composition

Stock solution component	Volume in ml for 2X dye
0.5 M Tris-Cl pH 6.8	2.5 ml
20% Glycerol	2.0 ml
10% SDS	4.0 ml
0.1% Bromo phenol blue (BPB)	0.5 ml
Total volume	10 ml
2.5% β -mercapto ethanol freshly added before use	

Table A-2: SDS-PAGE composition used in this study

Stock solution component	Component volume in ml	
	10% Resolving Gel	5% stacking gel
30% Acrylamide:bisacrylamide solution (29:1)	3.3 ml	0.5 ml
1.5 M Tris-Cl pH 8.8	2.5 ml	-
0.5 M Tris-Cl pH 6.8	-	0.38 ml
10% SDS	0.1	0.03
10% Ammonium persulfate (APS)	0.1	0.03
N, N, N', N' Tetramethylethylene-1,2-diamine (TEMED)	0.01	0.003
Total Volume	10ml	3 ml