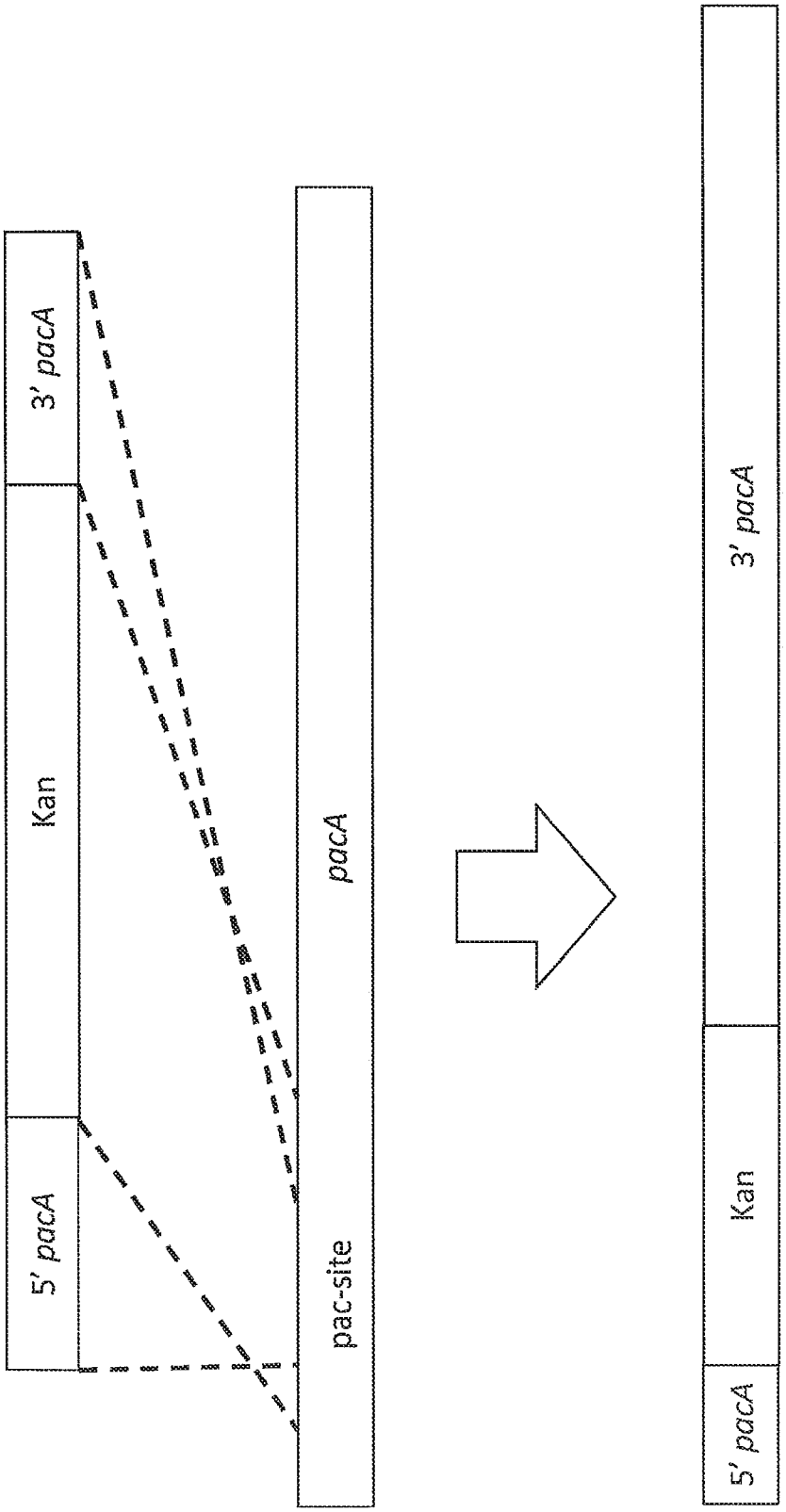


FIGURE 1

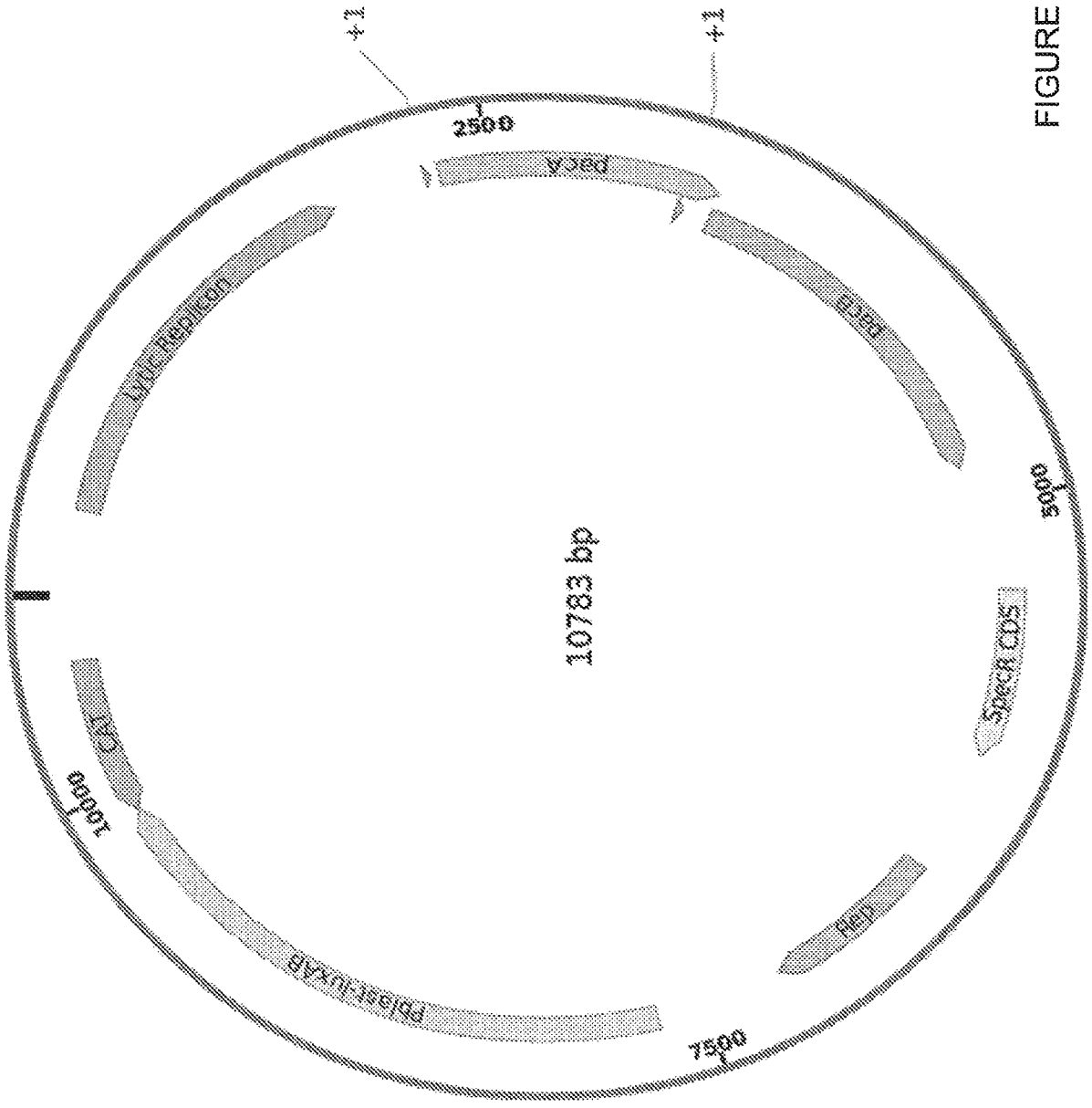

+1
+1
2500
bla CDS
5000
SpecR CDS
7500
RepA
10000
CEN
ColE1 ori
pUC replicon
10783 bp

FIGURE 2

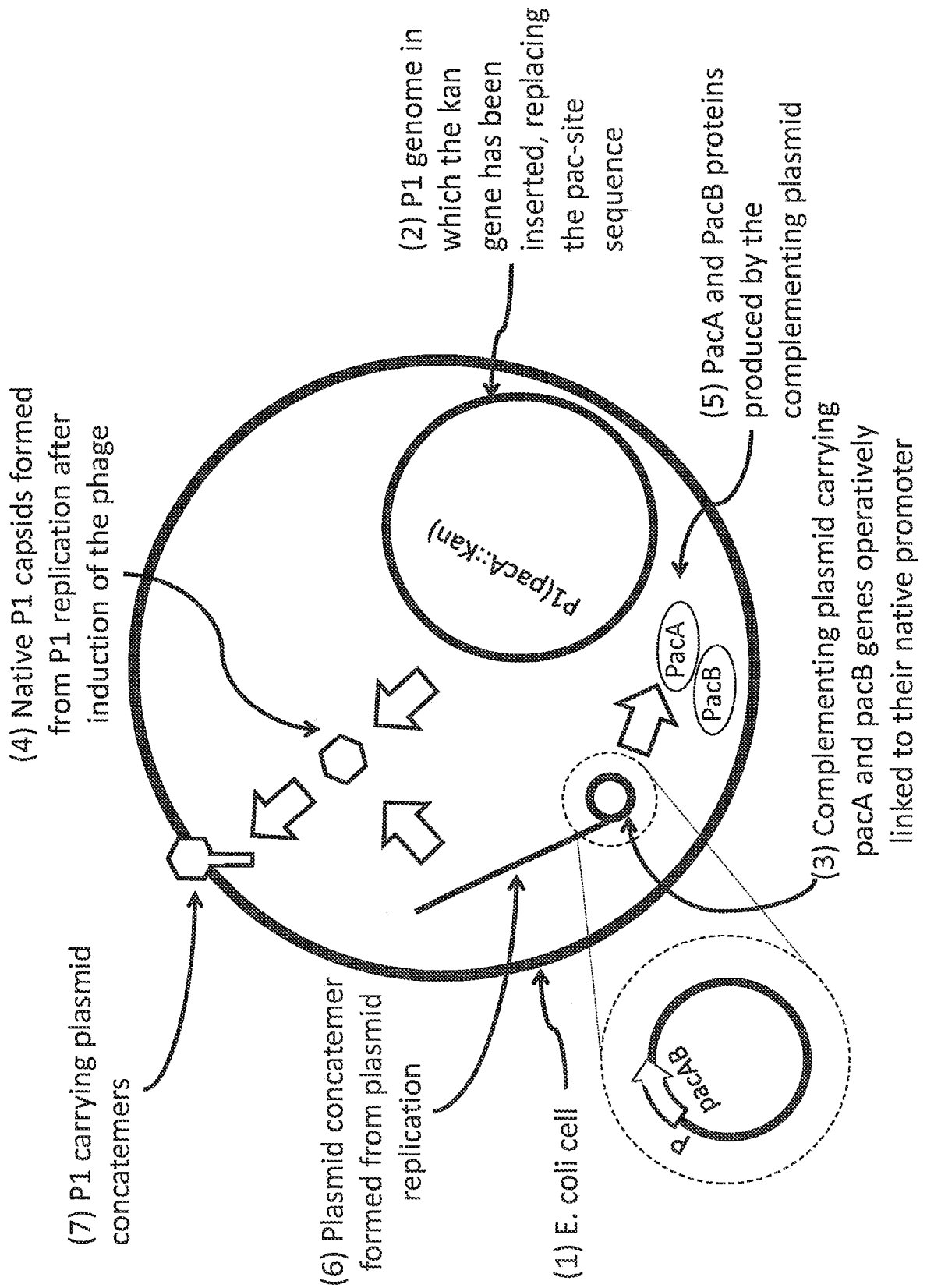

(4) Native P1 capsids formed from P1 replication after induction of the phage
(2) P1 genome in which the kan gene has been inserted, replacing the pac-site sequence
(5) PacA and PacB proteins produced by the complementing plasmid
P1(pacA::kan)
PacA
PacB
(3) Complementing plasmid carrying pacA and pacB genes operatively linked to their native promoter
pacAB
(7) P1 carrying plasmid concatemers
(6) Plasmid concatemer formed from plasmid replication
(1) E. coli cell

FIGURE 3

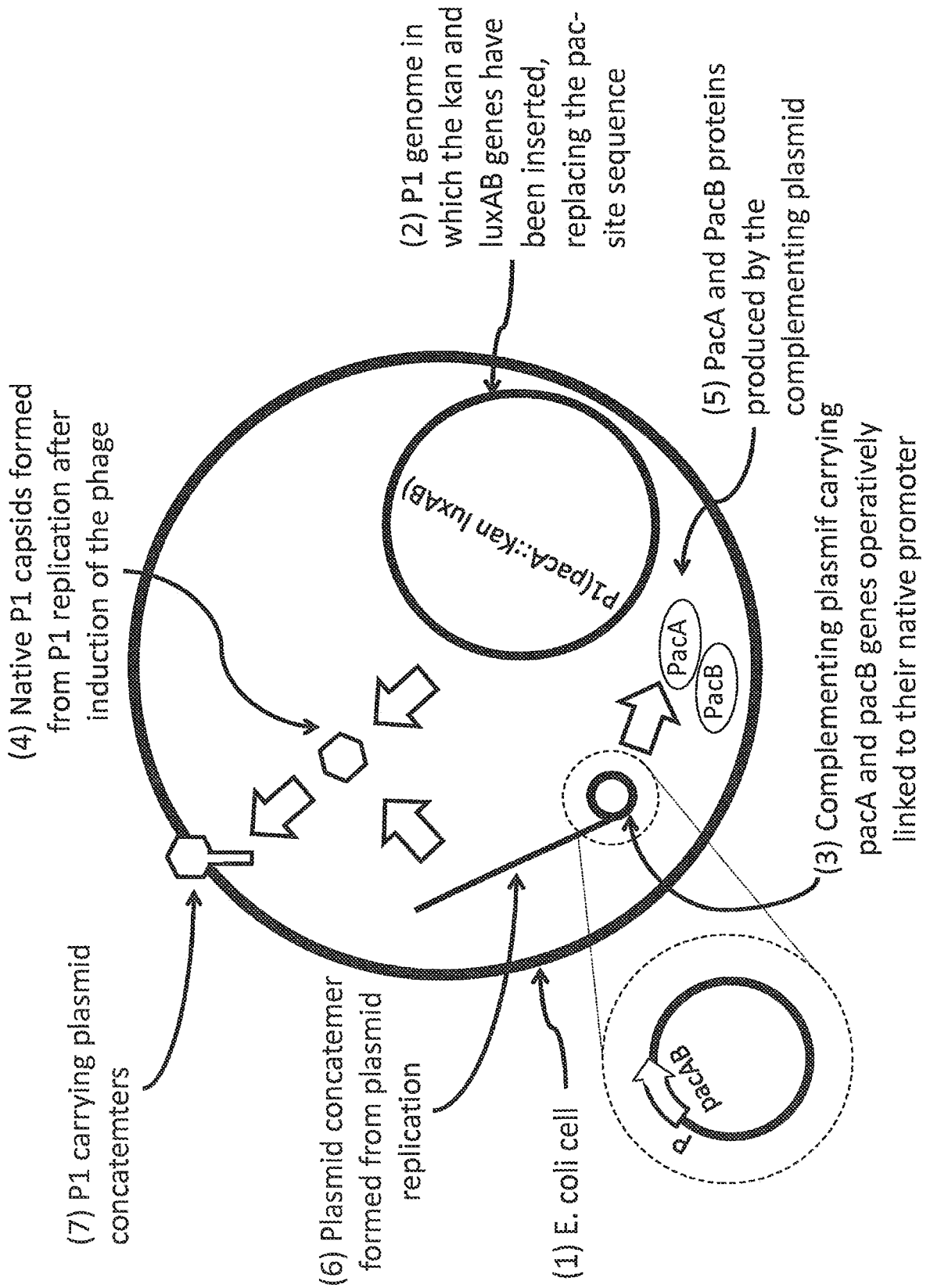

(4) Native P1 capsids formed from P1 replication after induction of the phage
(2) P1 genome in which the kan and luxAB genes have been inserted, replacing the pac-site sequence
(5) PacA and PacB proteins produced by the complementing plasmid
P1(pacA::kan luxAB)
PacA
PacB
(3) Complementing plasmif carrying pacA and pacB genes operatively linked to their native promoter
pacAB
(7) P1 carrying plasmid concatemters
(6) Plasmid concatemer formed from plasmid replication
(1) E. coli cell

FIGURE 4

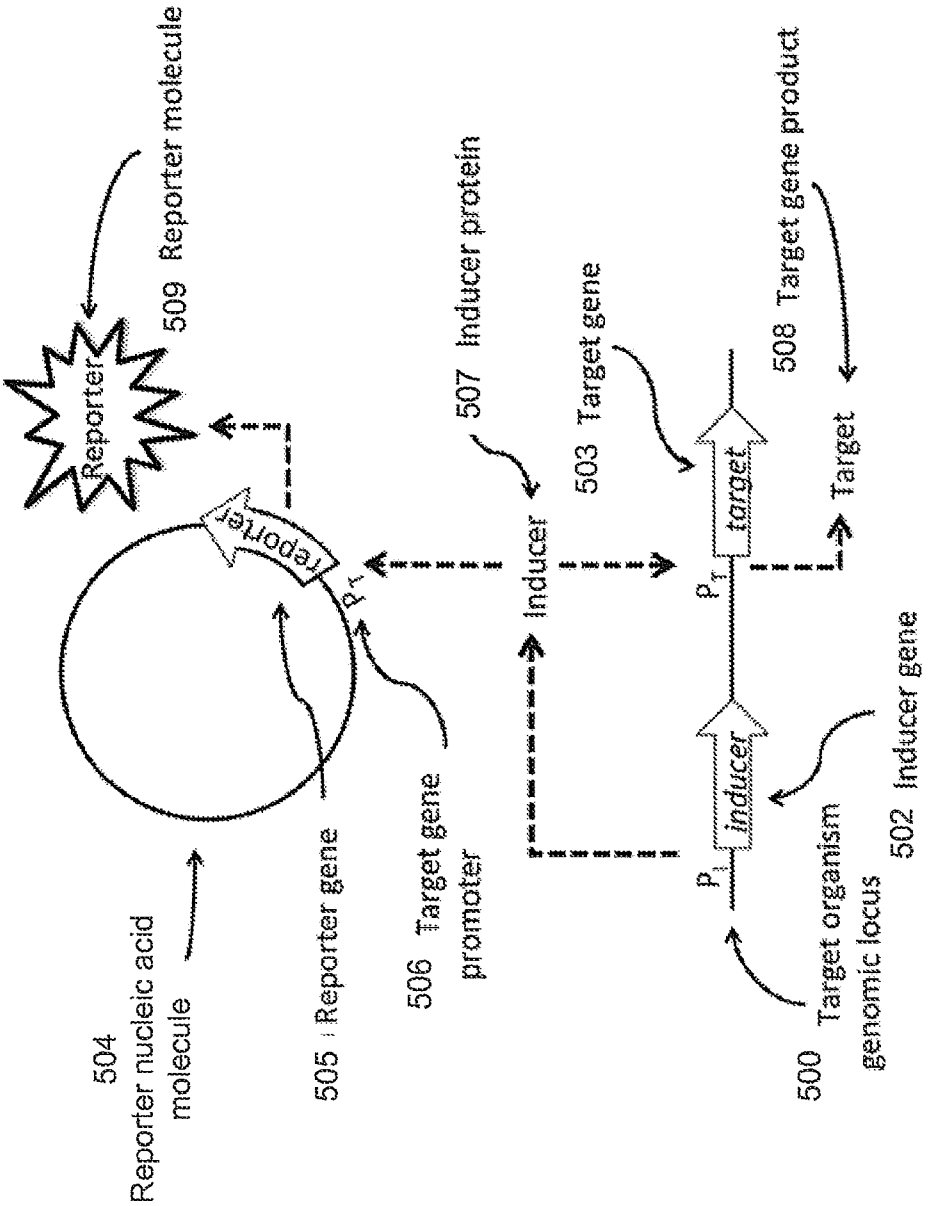

504
Reporter nucleic acid molecule
505 Reporter gene
506 Target gene promoter
507 Inducer protein
503 Target gene
508 Target gene product
509 Reporter molecule
Reporter
reporter
P T
Inducer
P I
inducer
P T
target
Target
500 Target organism genomic locus
502 Inducer gene

FIGURE 5

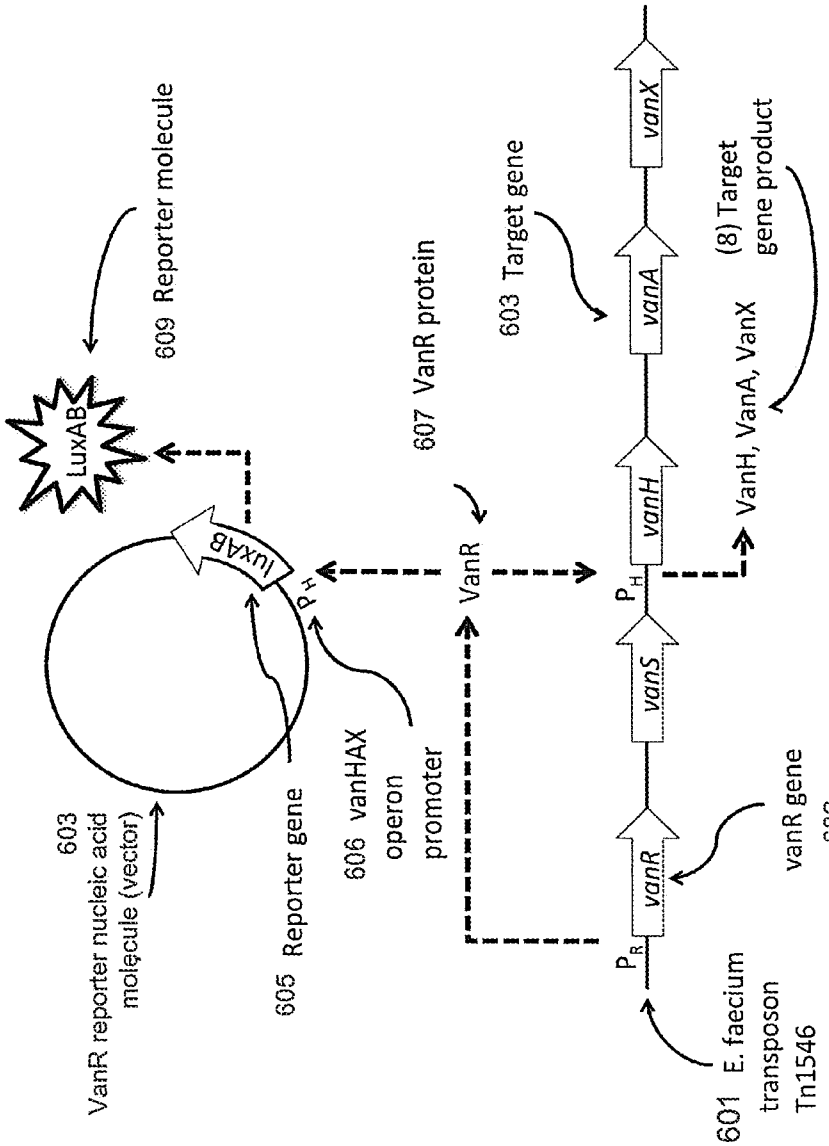

609 Reporter molecule
LuxAB
luxAB
P_H
603 VanR reporter nucleic acid molecule (vector)
605 Reporter gene
606 vanHAX operon promoter
607 VanR protein
VanR
603 Target gene
vanR
vanS
P_H
vanH
vanA
vanX
VanH, VanA, VanX
(8) Target gene product
P_R
601 E. faecium transposon Tn1546
vanR gene 602

FIGURE 6

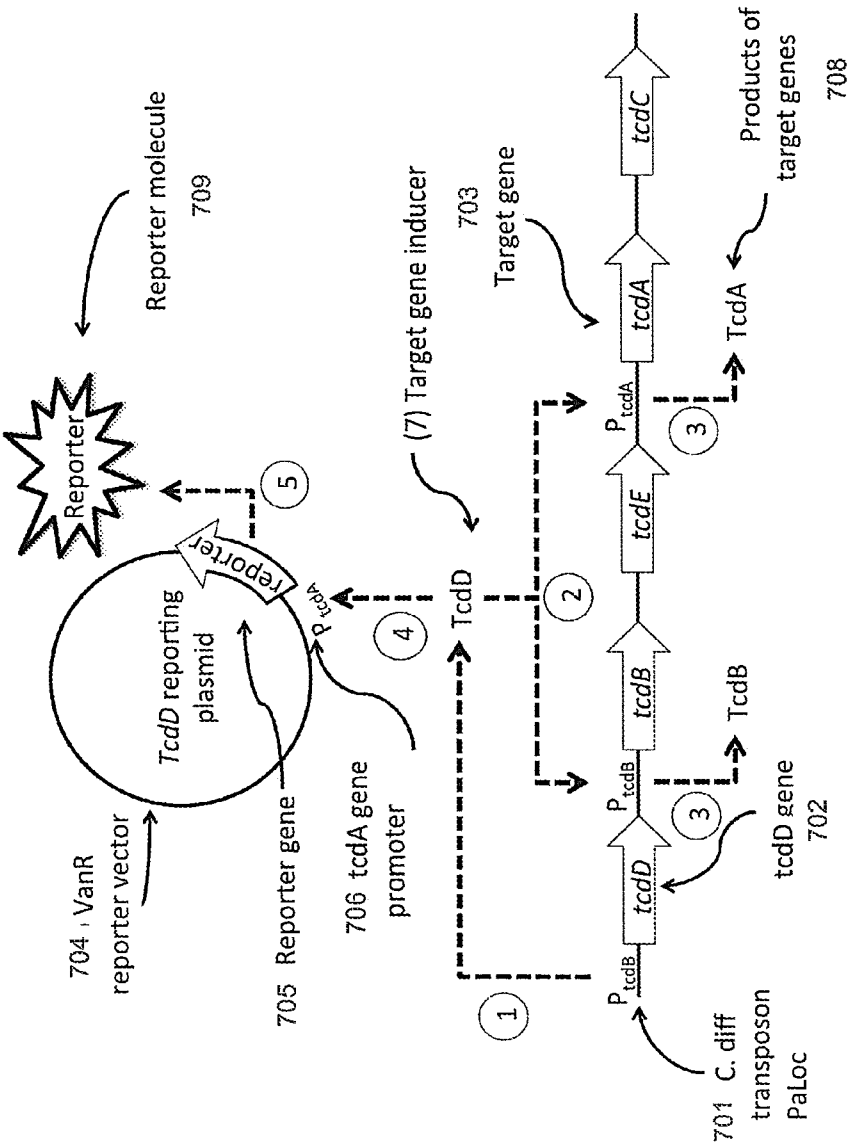

Reporter molecule
709
Reporter
Reporter
5
TcdD reporting plasmid
704 VanR reporter vector
705 Reporter gene
706 tcdA gene promoter
4
TcdD
(7) Target gene inducer
703
Target gene
2
1
tcdC
tcdA
tcdE
tcdB
tcdD
P tcdA
P tcdB
P tcdB
3
3
TcdA
TcdB
Products of target genes
708
tcdD gene
702
701 C. diff transposon PaLoc

FIGURE 7

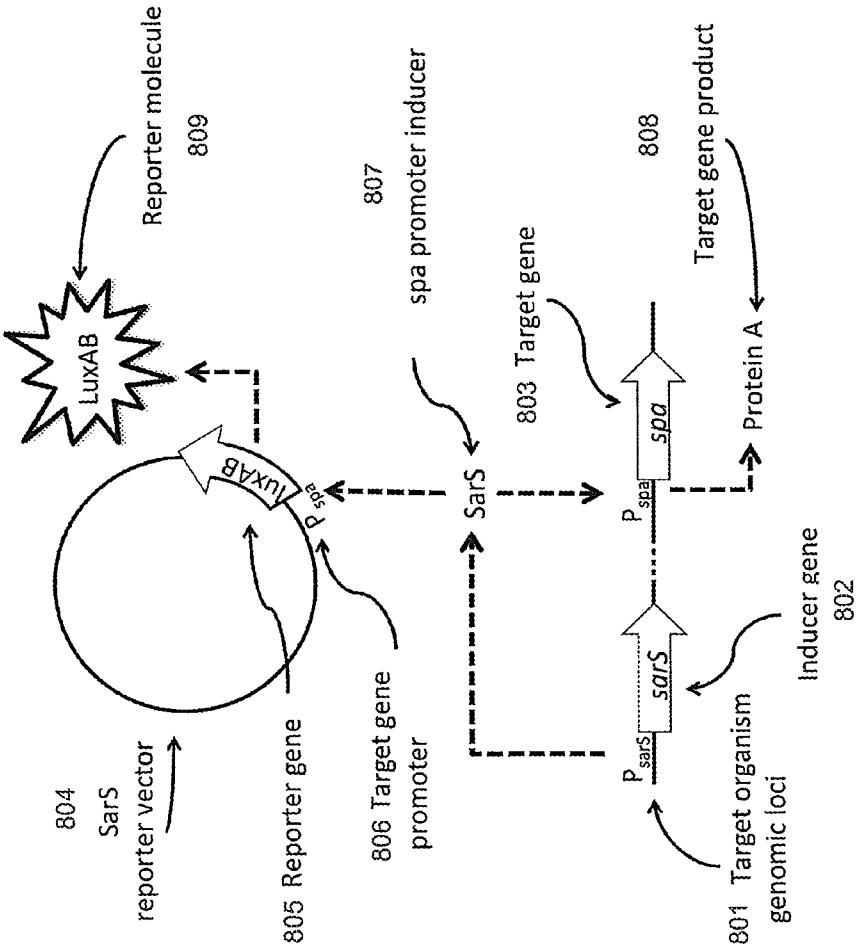

Reporter molecule
809
LuxAB
807
spa promoter inducer
808
Target gene product
803 Target gene
Protein A
luxAB
P spa
SarS
P spa
spa
804
SarS
reporter vector
805 Reporter gene
806 Target gene
promoter
P sarS
sarS
Inducer gene
802
801 Target organism
genomic loci

FIGURE 8

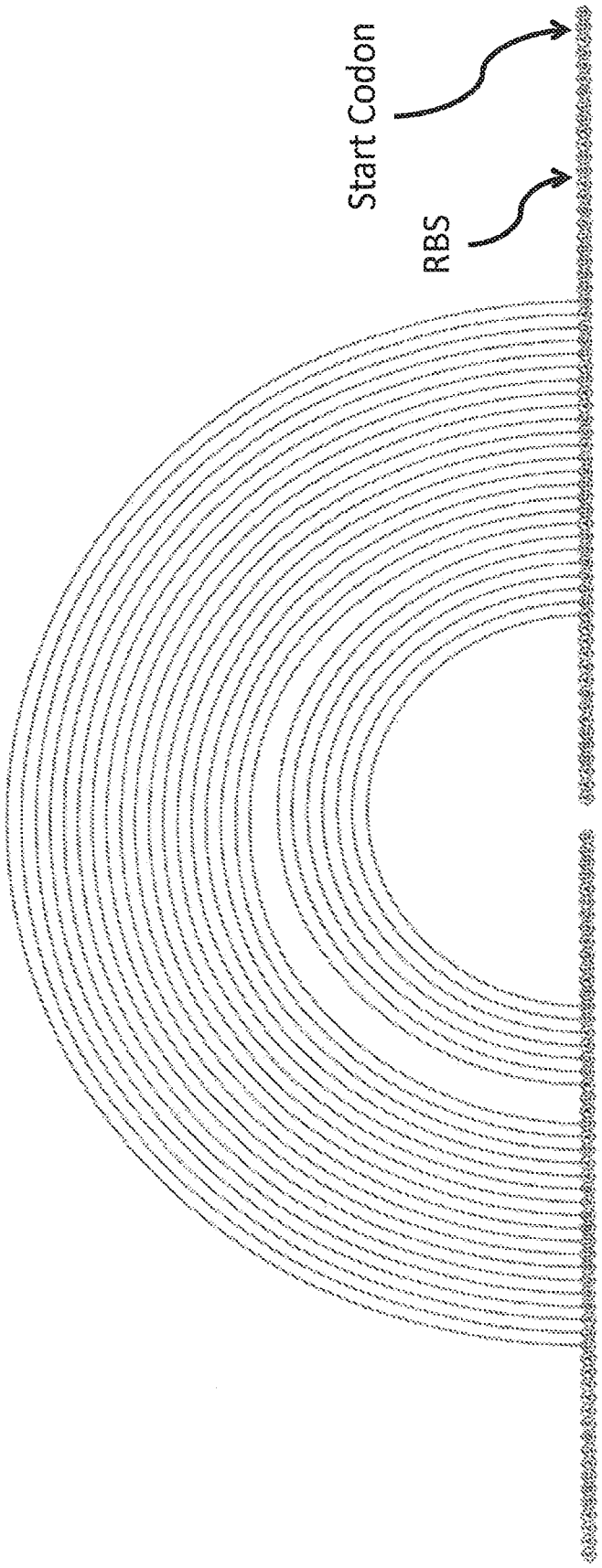


FIGURE 9

	1505	1525
KanR	3/12	12/12
SpecR	12/12	12/12

FIGURE 10