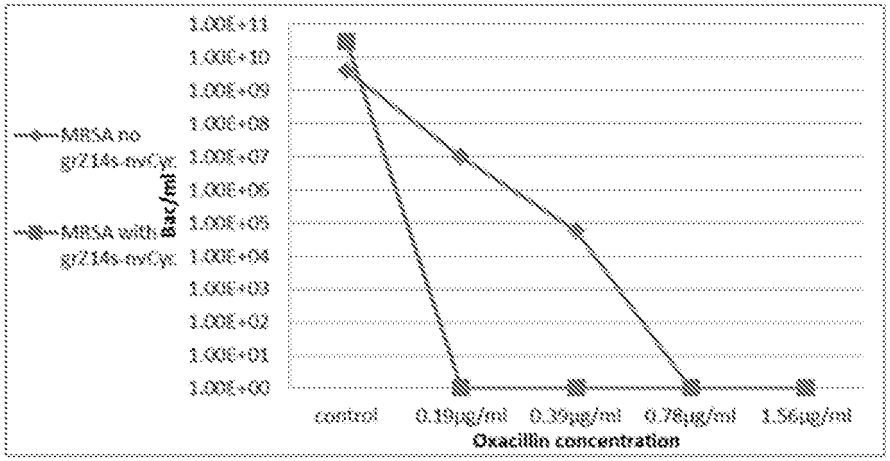

1.00E+11
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
MRSA no gr214s-nvCyc
MRSA with gr214s-nvCyc
Bac/ml
control
0.19µg/ml
0.39µg/ml
0.78µg/ml
1.56µg/ml
Oxacillin concentration

FIG. 1a

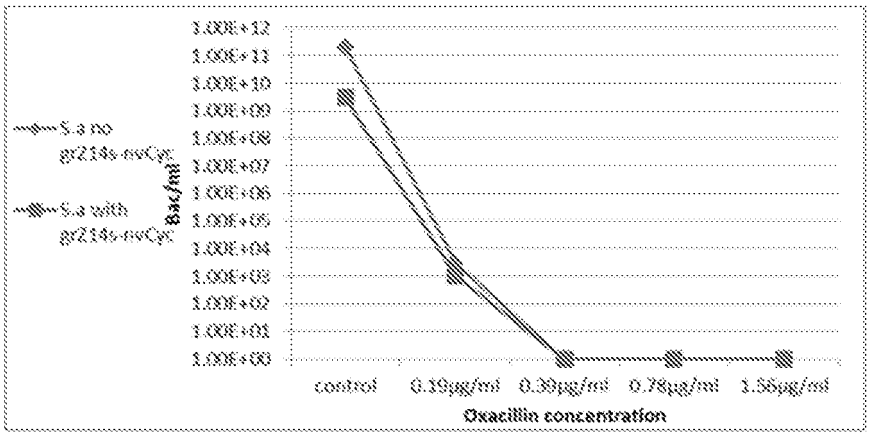

1.00E+12
1.00E+11
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
S.a no gr214s-nvCyc
S.a with gr214s-nvCyc
Bac/ml
control
0.19µg/ml
0.39µg/ml
0.78µg/ml
1.56µg/ml
Oxacillin concentration

FIG. 1b

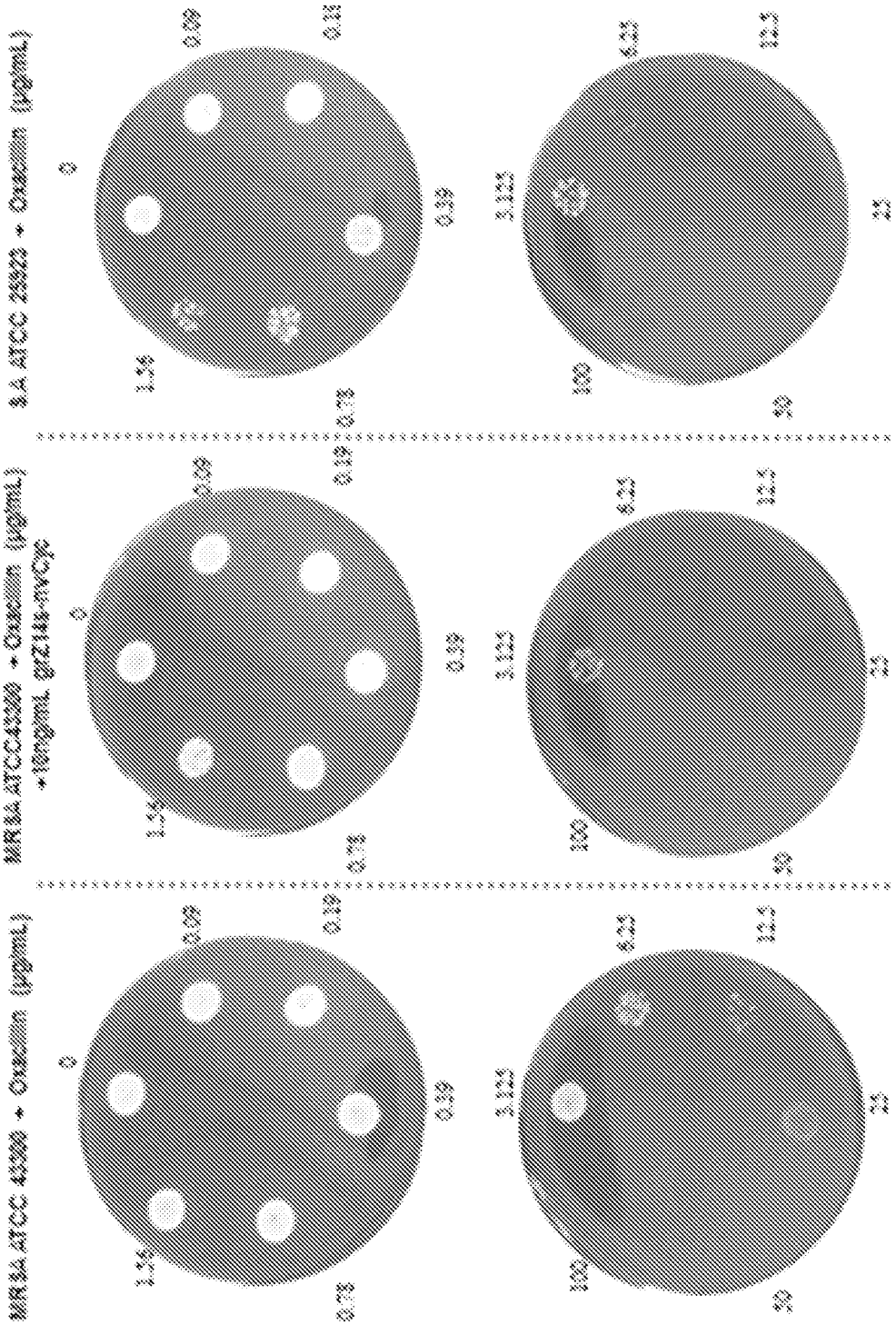

MRSA ATCC 43300 + Oxacillin (μg/mL)
0
0.09
0.19
0.39
0.78
1.56
3.125
6.25
12.5
25
50
100
MRSA ATCC43300 + Oxacillin (μg/mL)
+10 μg/mL QZ14-nvOx
0
0.09
0.19
0.39
0.78
1.56
3.125
6.25
12.5
25
50
100
SA ATCC 25923 + Oxacillin (μg/mL)
0
0.09
0.19
0.39
0.78
1.56
3.125
6.25
12.5
25
50
100

FIG. 2

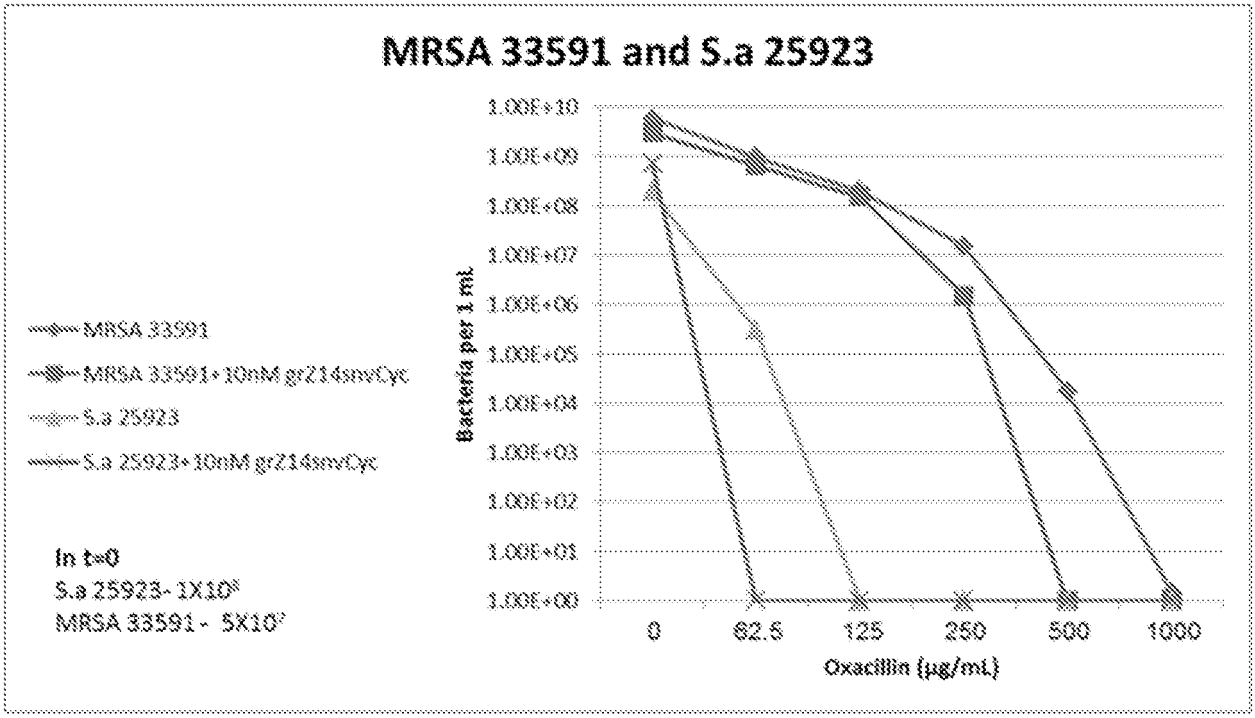

MRSA 33591 and S.a 25923
MRSA 33591
MRSA 33591+10nM gr214smvCyc
S.a 25923
S.a 25923+10nM gr214smvCyc
In t=0
S.a 25923- 1X10⁸
MRSA 33591 - 5X10⁷
Bacteria per 1 ml
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
0
62.5
125
250
500
1000
Oxacillin (µg/mL)

FIG. 3

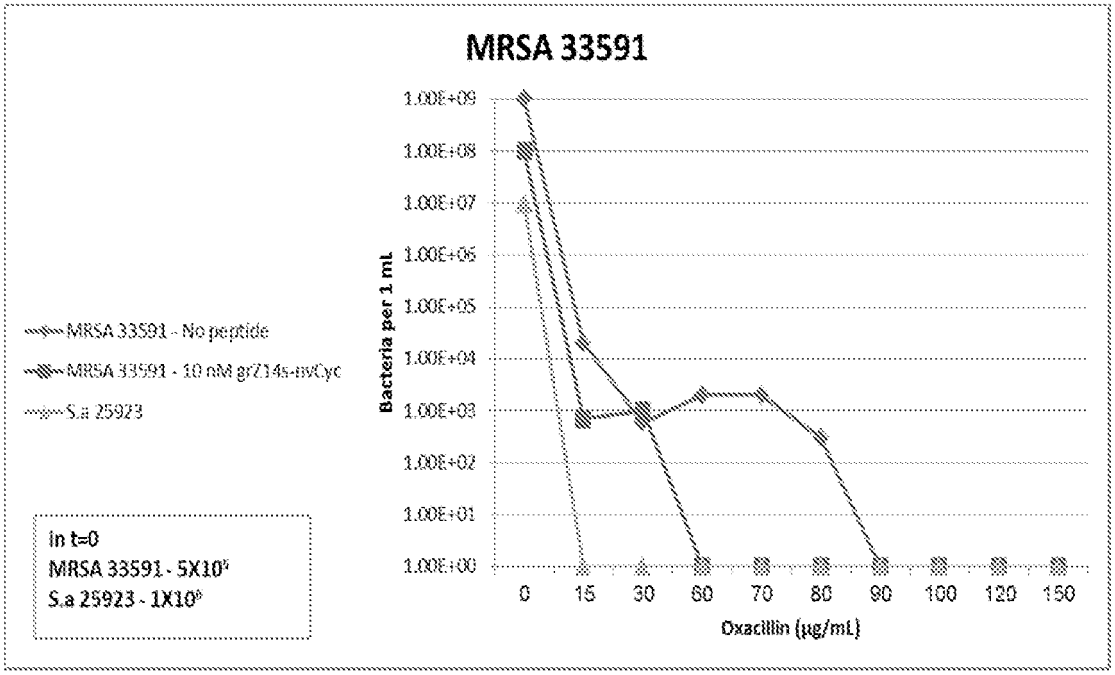

MRSA 33591
MRSA 33591 - No peptide
MRSA 33591 - 10 nM grZ14s-nvCyc
S.a 25923
in t=0
MRSA 33591 - 5X10⁶
S.a 25923 - 1X10⁶
Bacteria per 1 mL
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
0
15
30
60
70
80
90
100
120
150
Oxacillin (µg/mL)

FIG. 4a

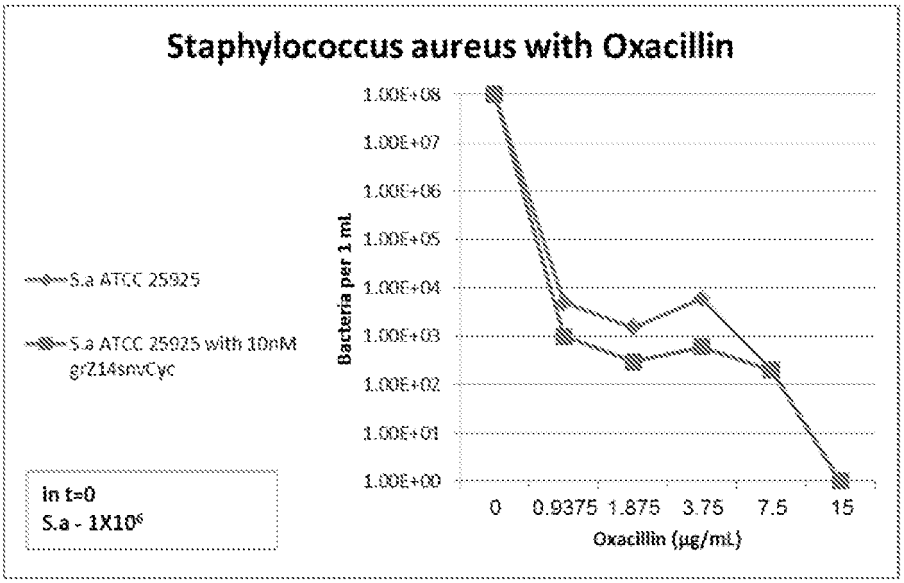

Staphylococcus aureus with Oxacillin
S.a ATCC 25925
S.a ATCC 25925 with 10nM grZ14snvCyc
in t=0
S.a - 1X10⁶
Bacteria per 1 mL
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
0
0.9375
1.875
3.75
7.5
15
Oxacillin (µg/mL)

FIG. 4b

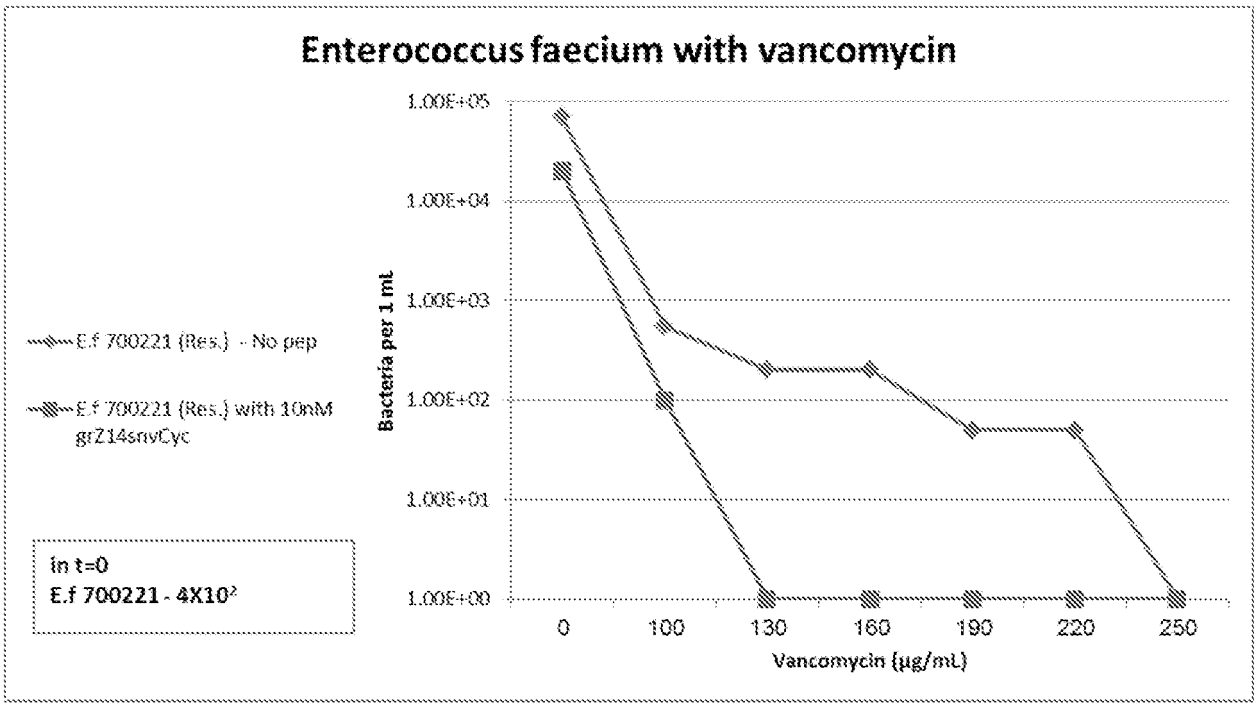

Enterococcus faecium with vancomycin
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0
100
130
160
190
220
250
Vancomycin (µg/mL)
E.f 700221 (Res.) - No pep
E.f 700221 (Res.) with 10nM grZ14snvCyc
in t=0
E.f 700221 - 4X10²

FIG. 5

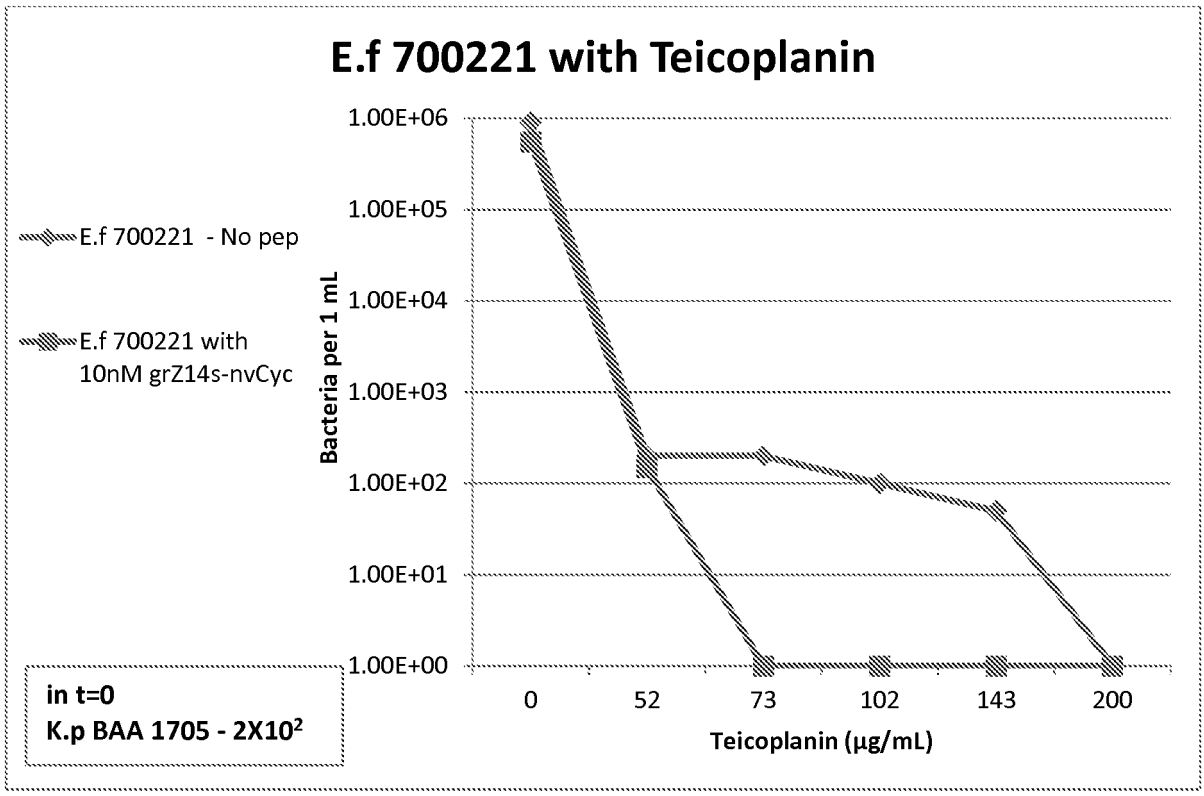

E.f 700221 with Teicoplanin
E.f 700221 - No pep
E.f 700221 with 10nM grZ14s-nvCyc
in t=0
K.p BAA 1705 - 2X10²
Bacteria per 1 mL
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
0
52
73
102
143
200
Teicoplanin (µg/mL)

FIG. 6

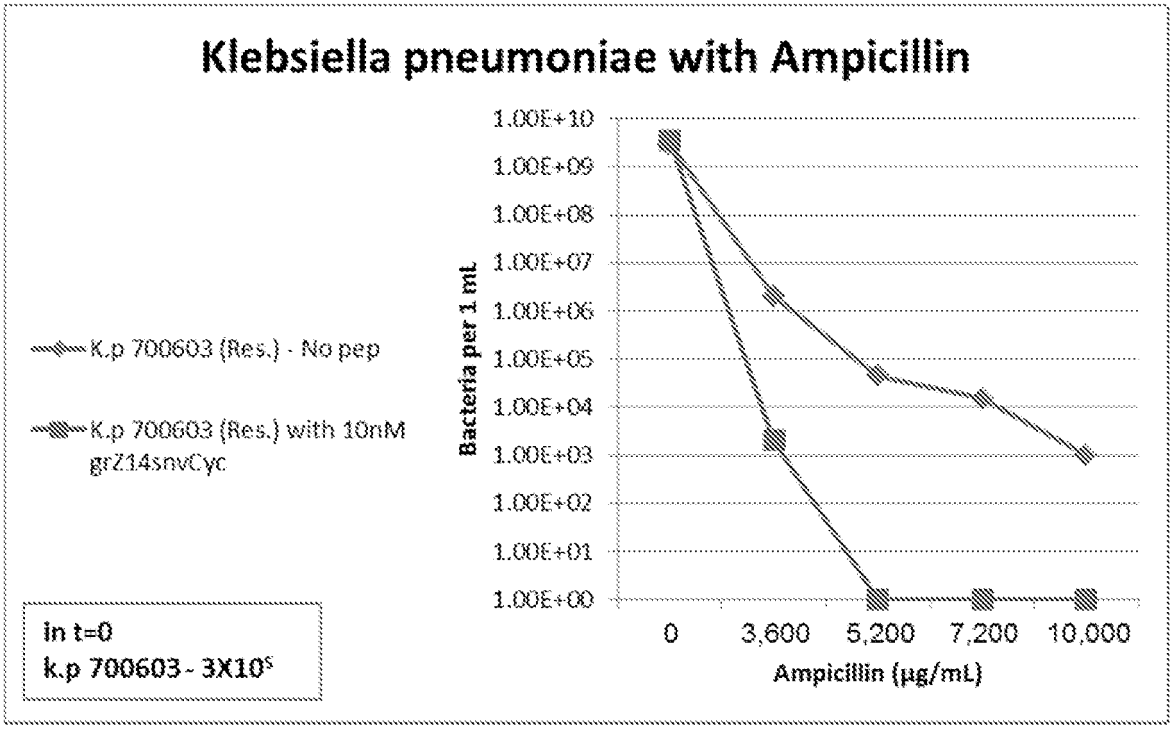

Klebsiella pneumoniae with Ampicillin
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0
3,600
5,200
7,200
10,000
Ampicillin (µg/mL)
K.p 700603 (Res.) - No pep
K.p 700603 (Res.) with 10nM grZ14snvCyc
in t=0
k.p 700603 - 3X10^6

FIG. 7

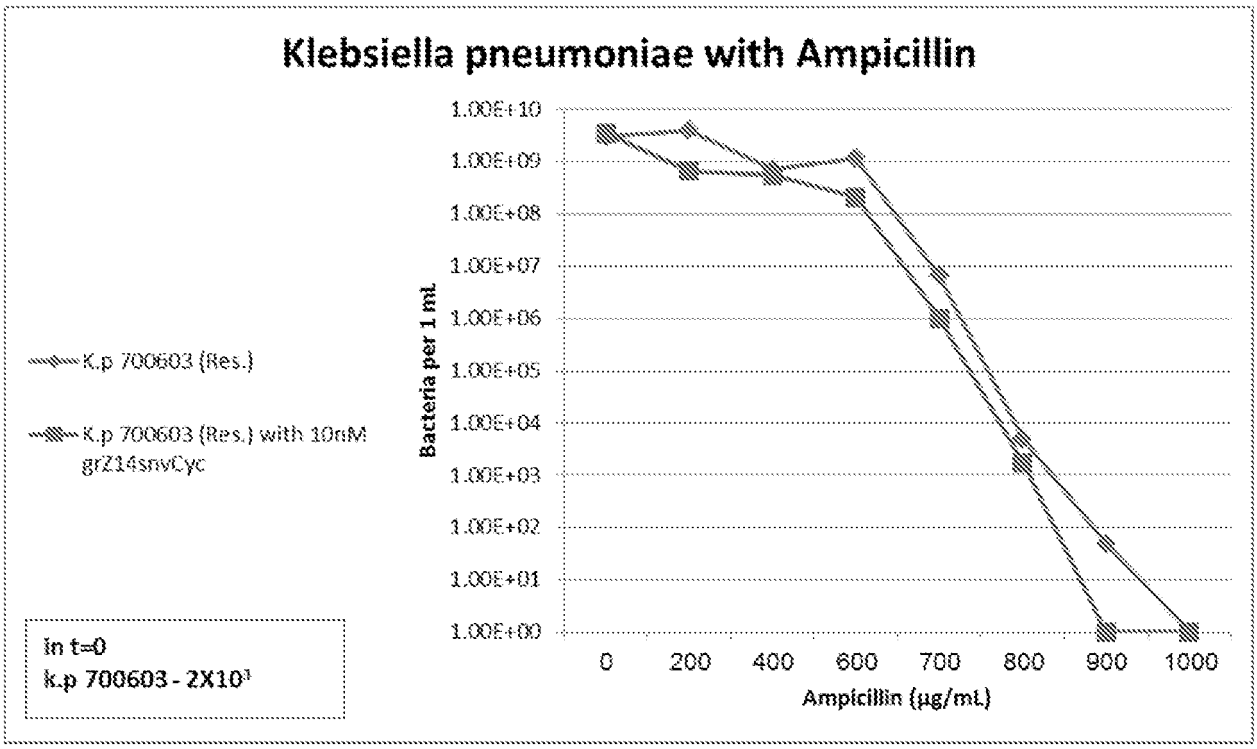

Klebsiella pneumoniae with Ampicillin
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0
200
400
600
700
800
900
1000
Ampicillin (µg/mL)
K.p 700603 (Res.)
K.p 700603 (Res.) with 10nM grZ14snvCyc
In t=0
k.p 700603 - 2X10³

FIG. 8

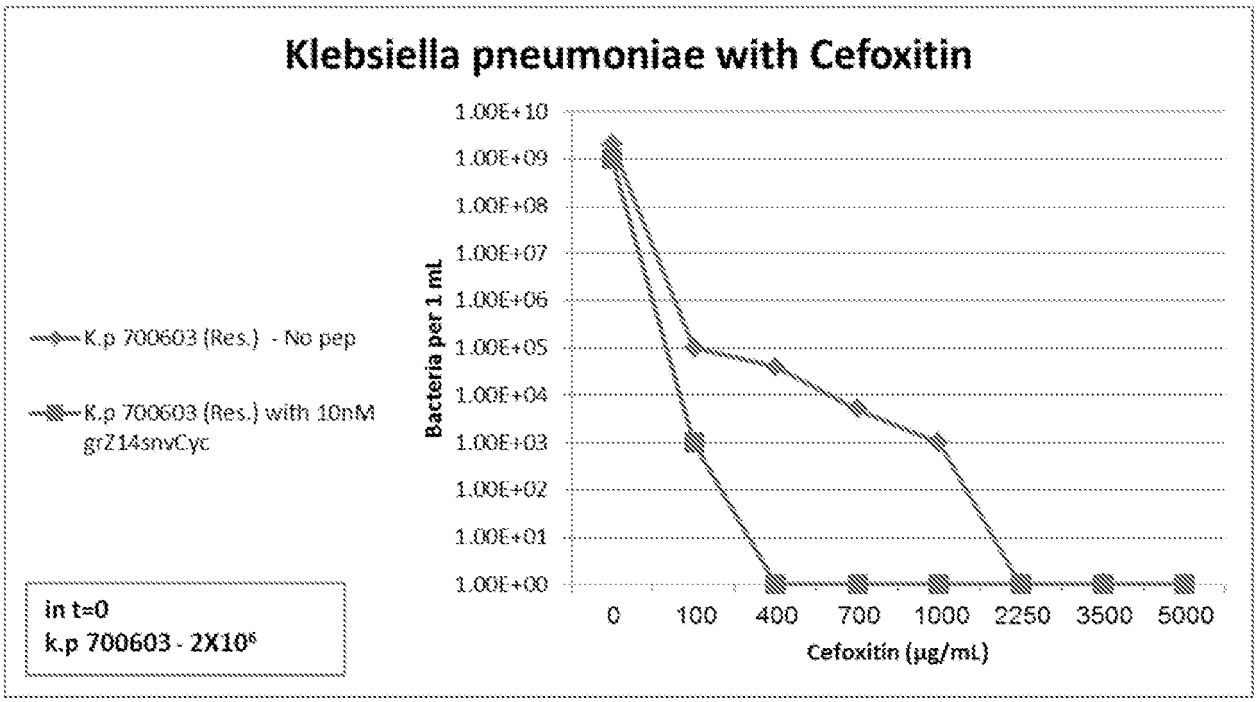

Klebsiella pneumoniae with Cefoxitin
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0
100
400
700
1000
2250
3500
5000
Cefoxitin (µg/mL)
K.p 700603 (Res.) - No pep
K.p 700603 (Res.) with 10nM grZ14snvCyc
in t=0
k.p 700603 - 2X10⁶

FIG. 9

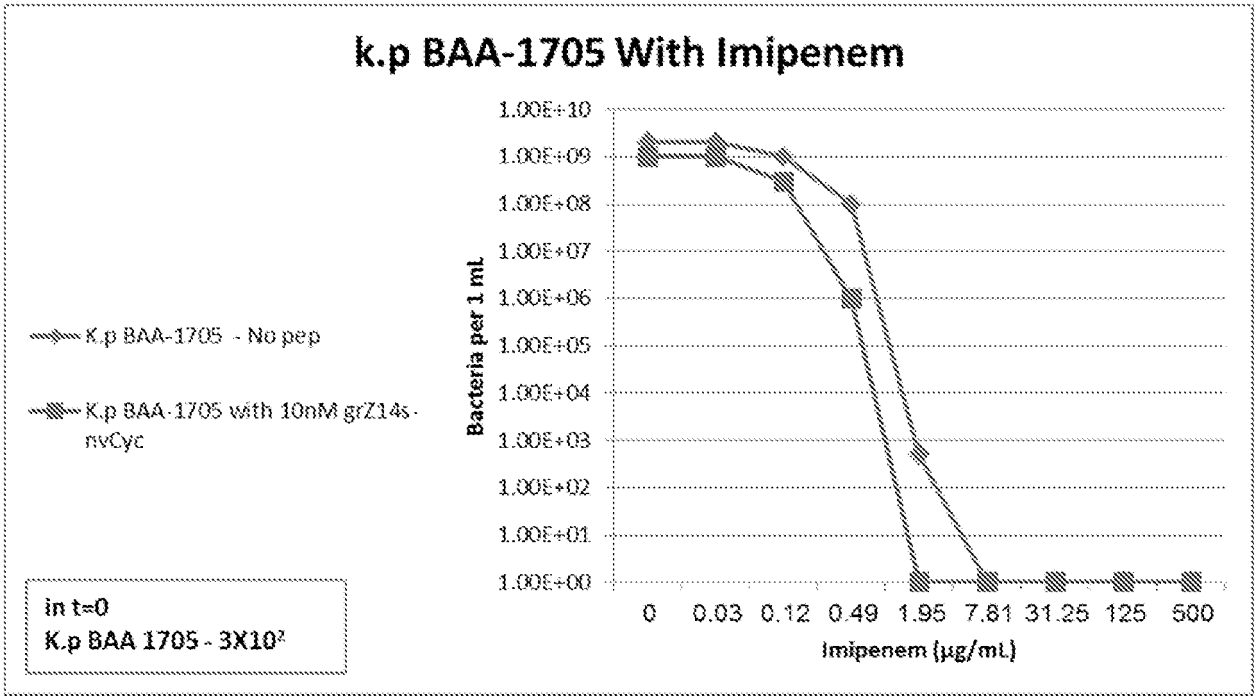

k.p BAA-1705 With Imipenem
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0 0.03 0.12 0.49 1.95 7.81 31.25 125 500
Imipenem (µg/mL)
K.p BAA-1705 - No pep
K.p BAA-1705 with 10nM grZ14s-nvCyc
in t=0
K.p BAA 1705 - 3X10²

FIG. 10

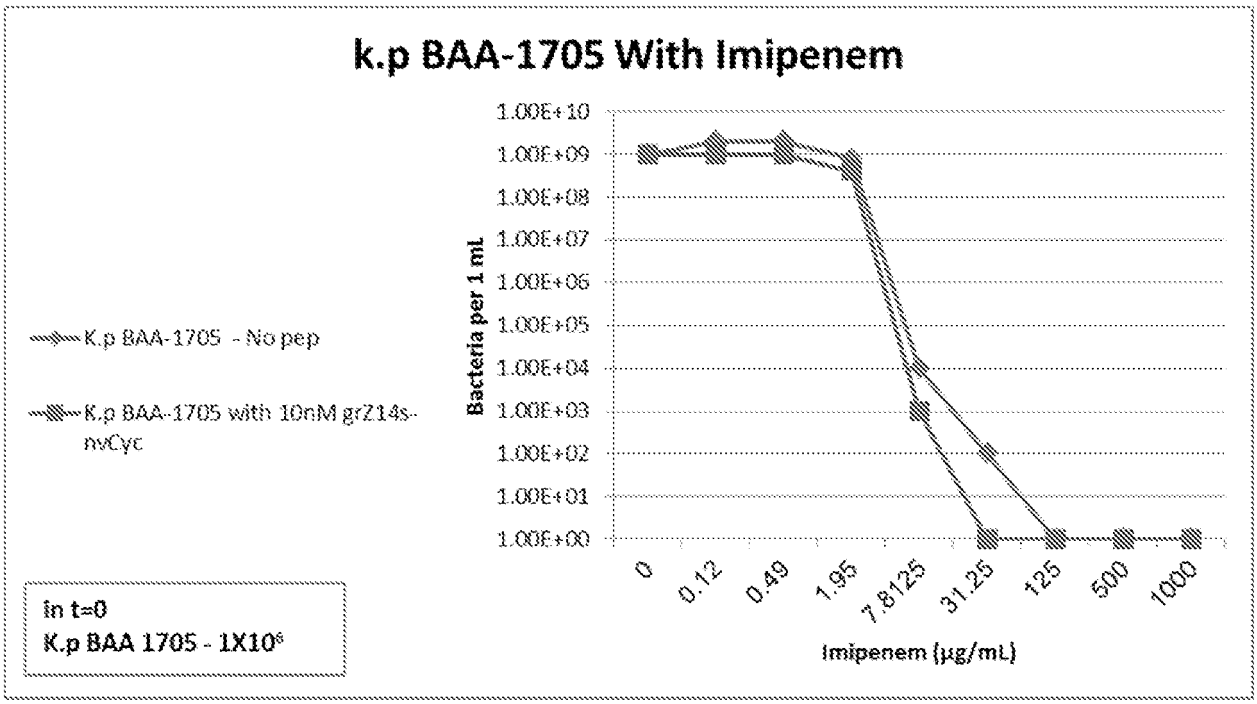

k.p BAA-1705 With Imipenem
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0
0.12
0.49
1.95
7.8125
31.25
125
500
1000
Imipenem (µg/mL)
K.p BAA-1705 - No pep
K.p BAA-1705 with 10nM grZ14s-nvCyc
in t=0
K.p BAA 1705 - 1X10⁶

FIG. 11

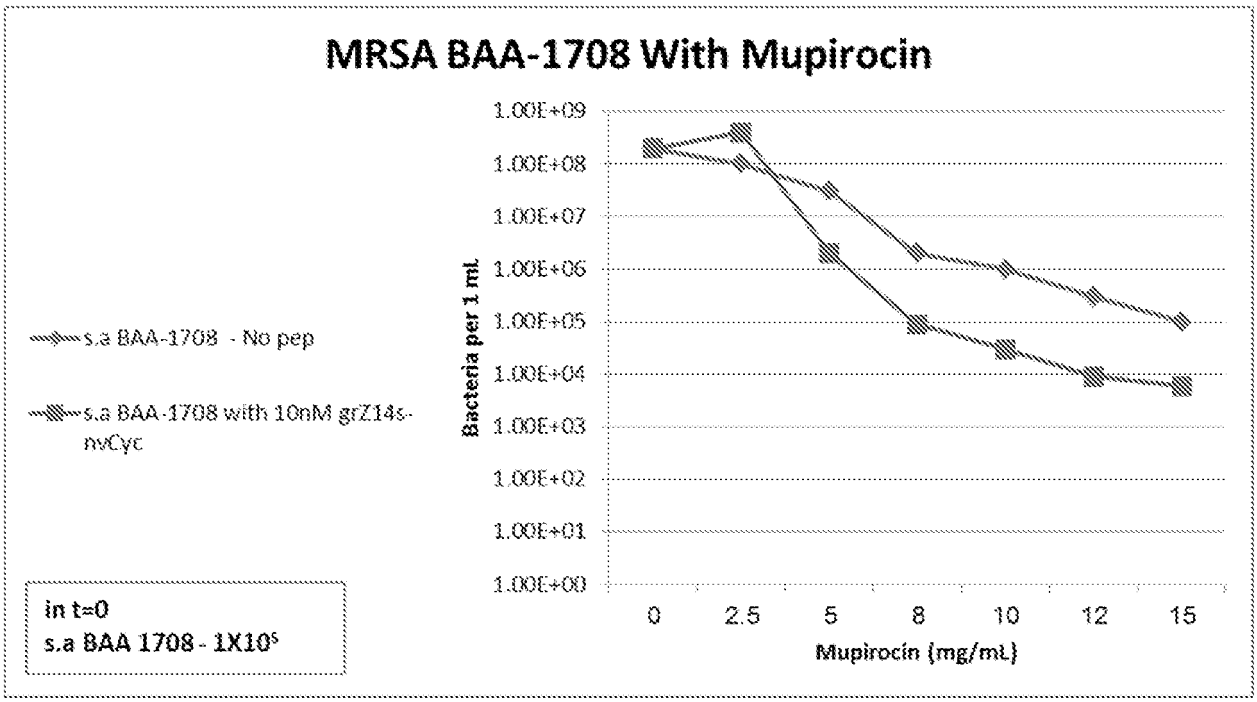

MRSA BAA-1708 With Mupirocin
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0
2.5
5
8
10
12
15
Mupirocin (mg/mL)
s.a BAA-1708 - No pep
s.a BAA-1708 with 10nM grZ14s-nvCyc
in t=0
s.a BAA 1708 - 1X10^5

FIG. 12

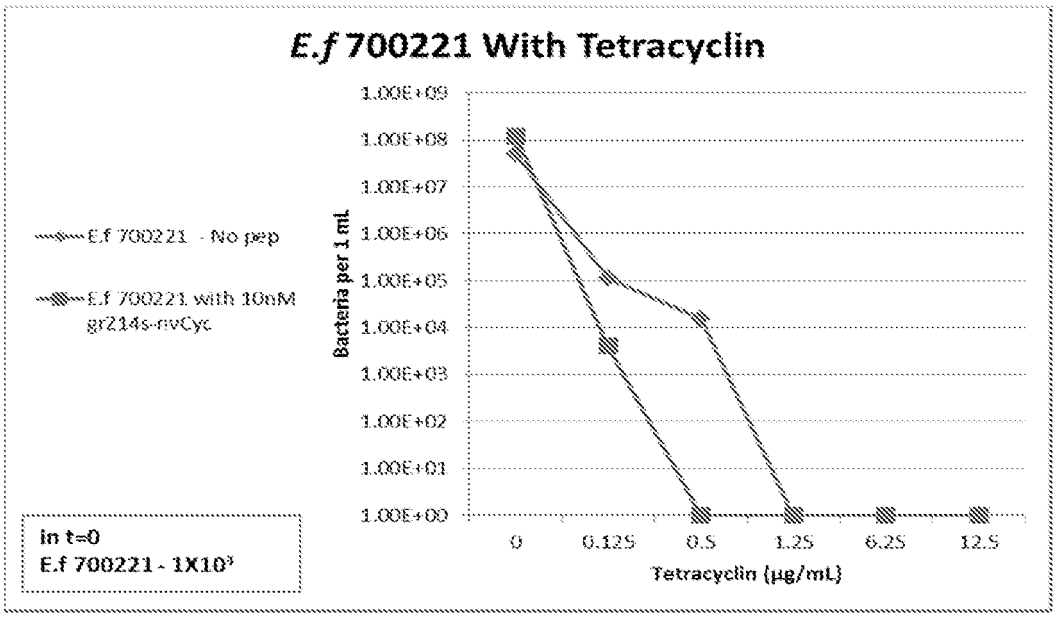


FIG. 13a

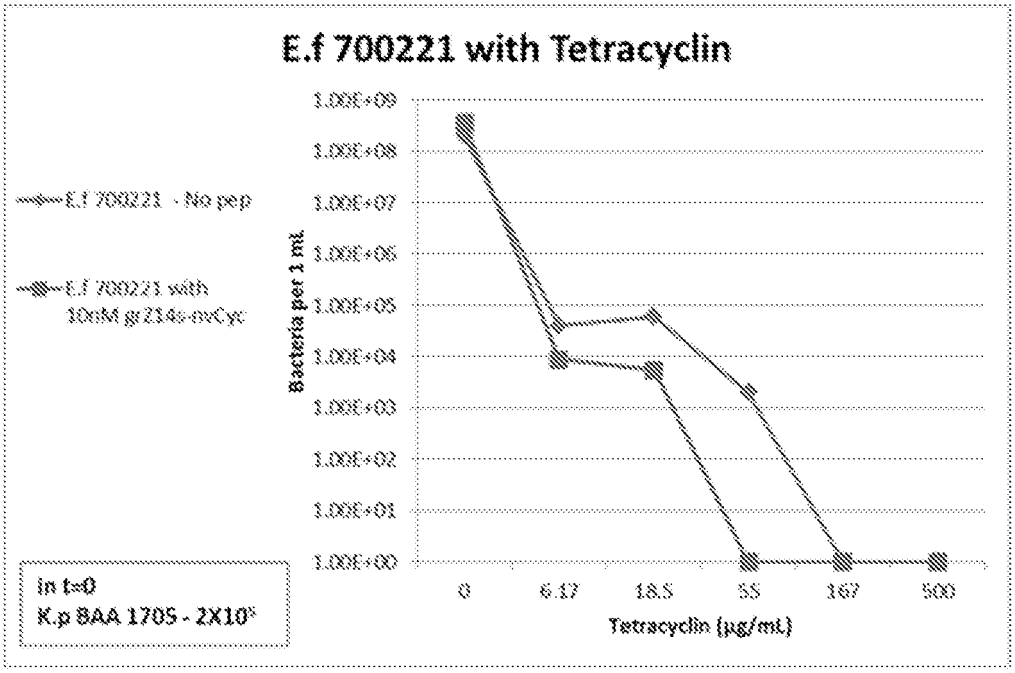


FIG. 13b

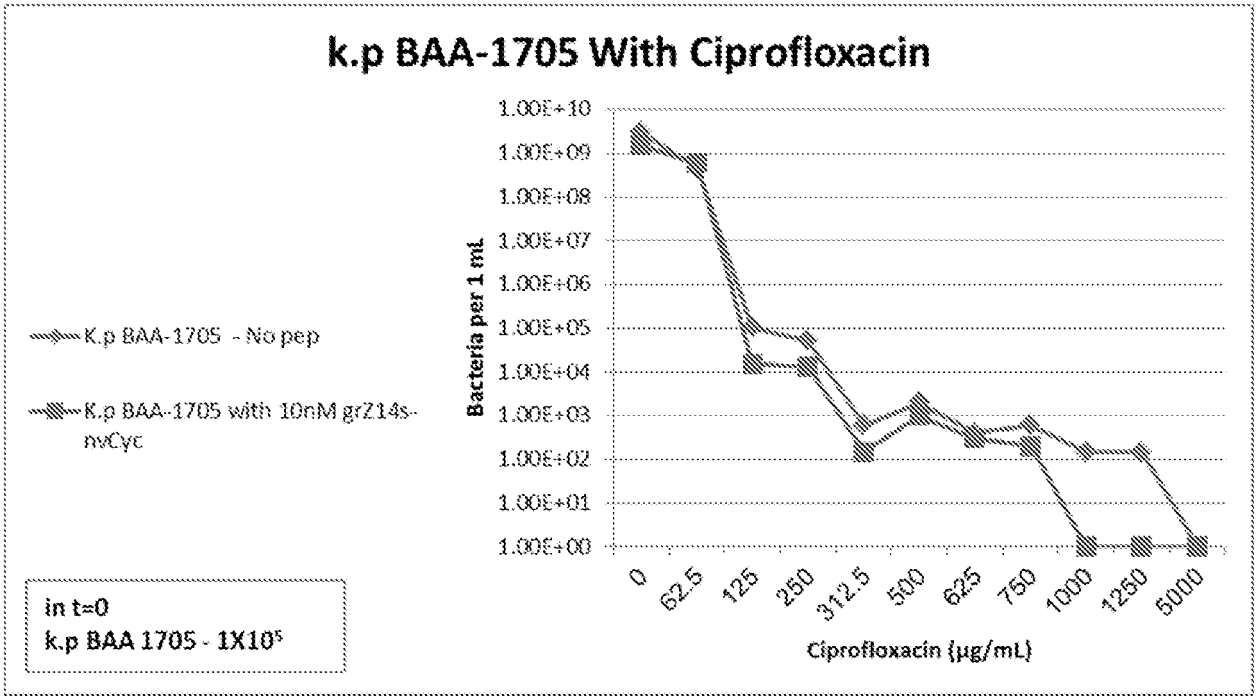

k.p BAA-1705 With Ciprofloxacin
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0
62.5
125
250
312.5
500
625
750
1000
1250
5000
Ciprofloxacin (µg/mL)
K.p BAA-1705 - No pep
K.p BAA-1705 with 10nM grZ14s-nvCyc
in t=0
k.p BAA 1705 - 1X10^5

FIG. 14

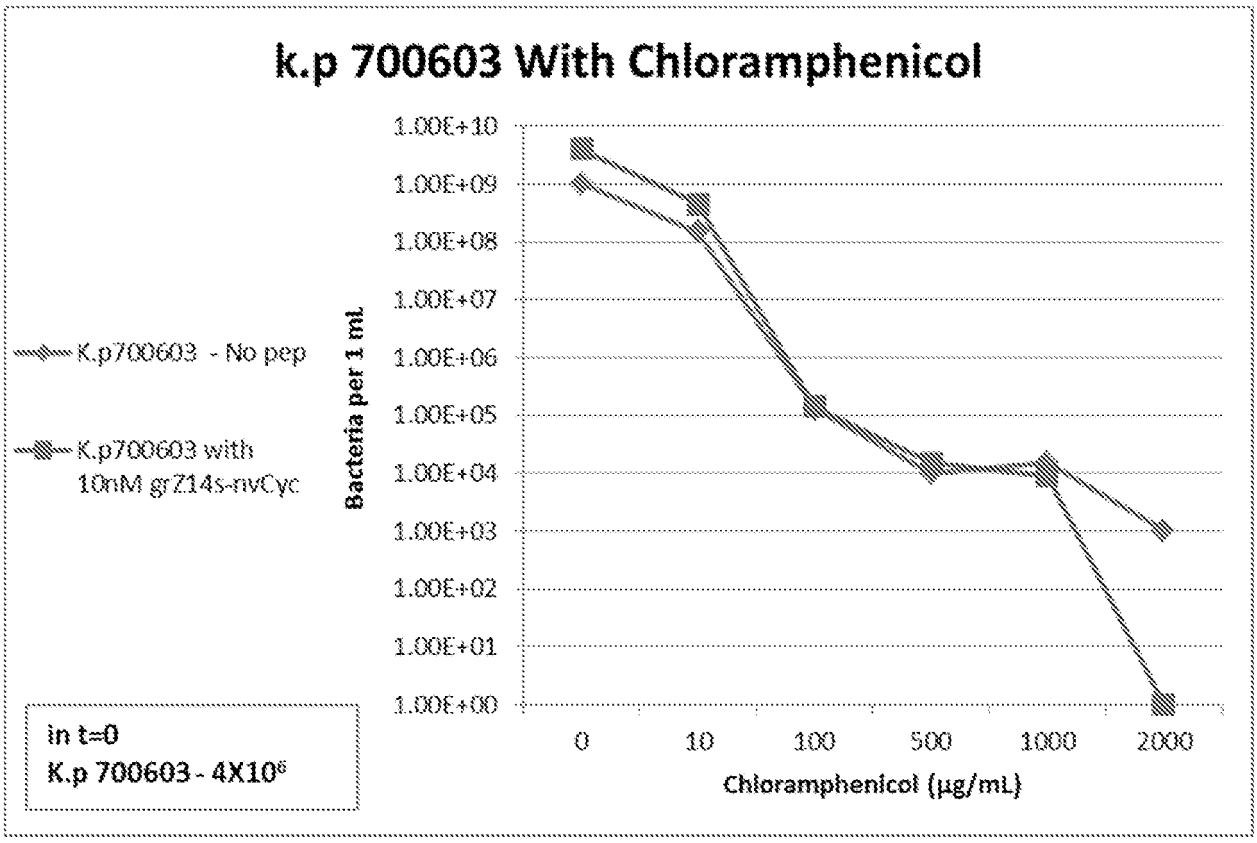

k.p 700603 With Chloramphenicol
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
K.p700603 - No pep
K.p700603 with 10nM grZ14s-nvCyc
in t=0
K.p 700603 - 4X10^6
0
10
100
500
1000
2000
Chloramphenicol (µg/mL)

FIG. 15

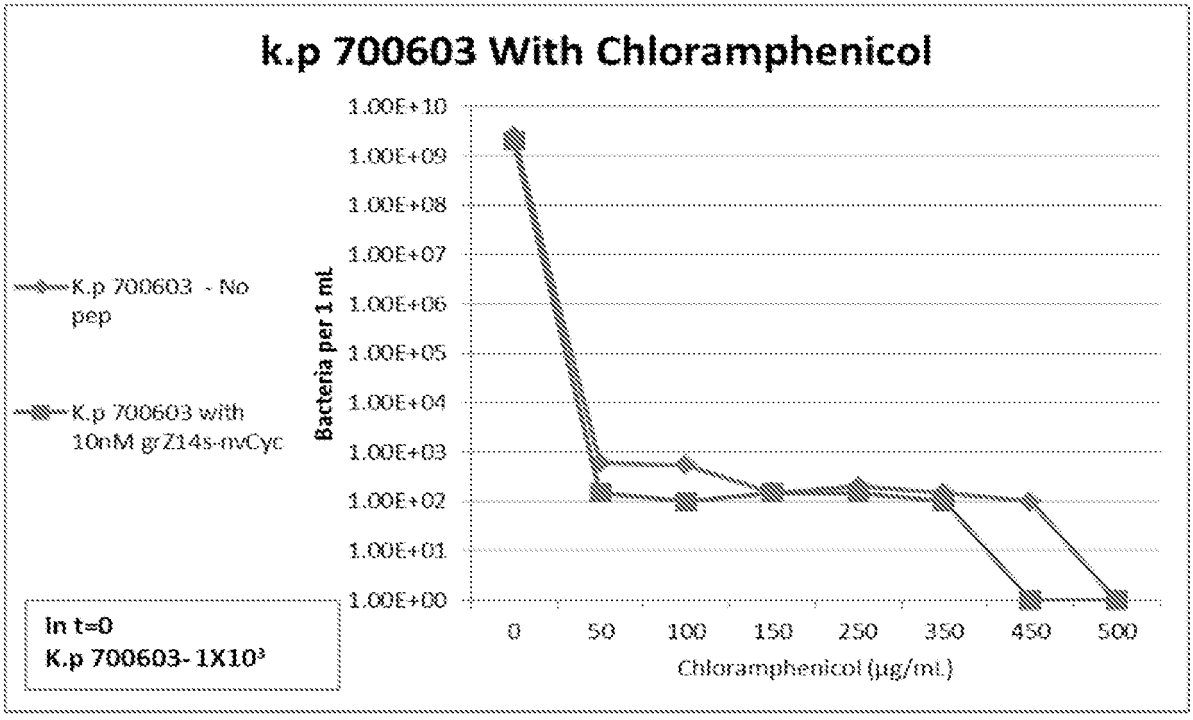

k.p 700603 With Chloramphenicol
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
K.p 700603 - No pep
K.p 700603 with 10nM grZ14s-nvCyc
In t=0
K.p 700603- 1X10³
0
50
100
150
250
350
450
500
Chloramphenicol (µg/mL)

FIG. 16

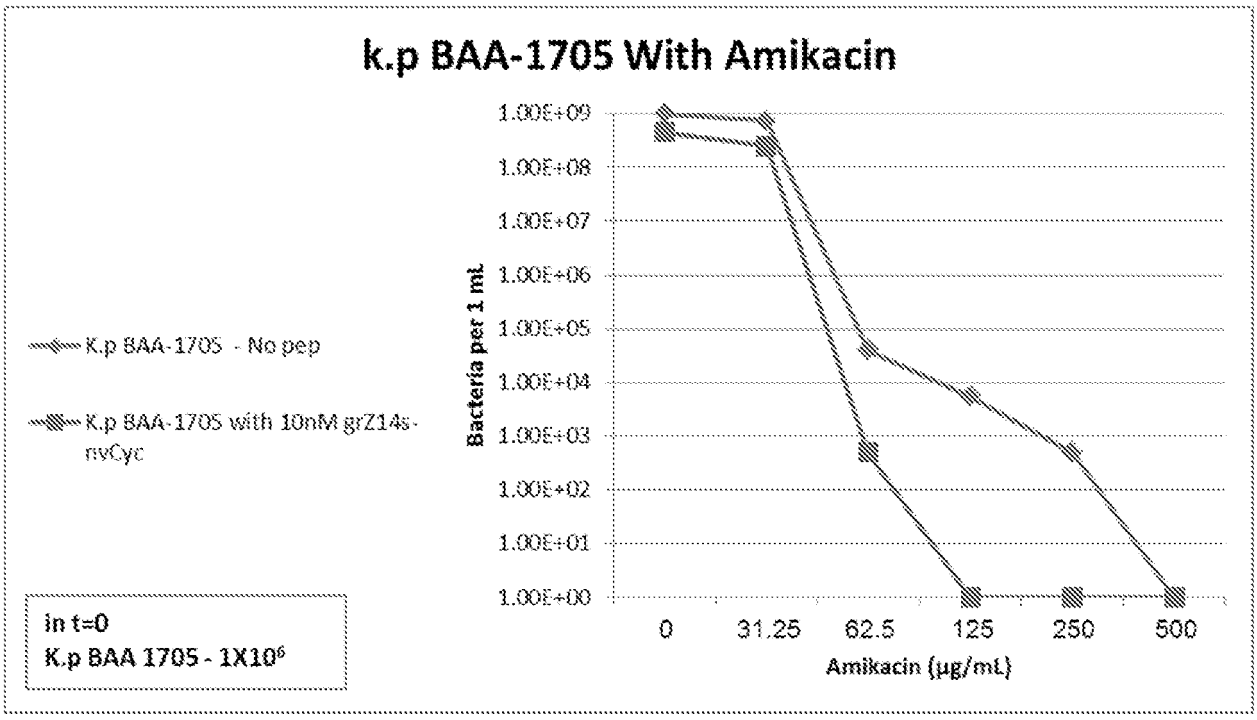

k.p BAA-1705 With Amikacin
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
Bacteria per 1 mL
0
31.25
62.5
125
250
500
Amikacin (µg/mL)
K.p BAA-1705 - No pep
K.p BAA-1705 with 10nM grZ14s-nvCyc
in t=0
K.p BAA 1705 - 1X10⁶

FIG. 17

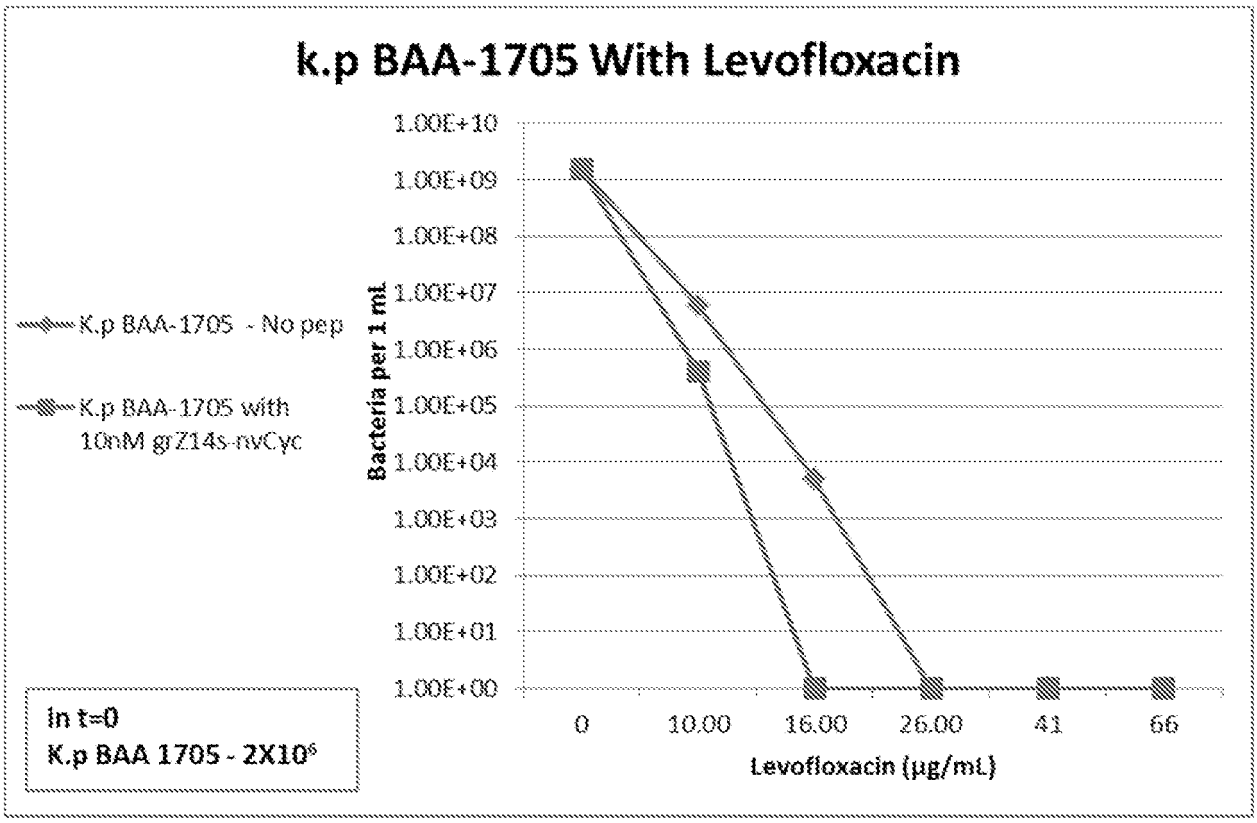

k.p BAA-1705 With Levofloxacin
K.p BAA-1705 - No pep
K.p BAA-1705 with 10nM grZ14s-nvCyc
Bacteria per 1 mL
1.00E+10
1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
0
10.00
16.00
26.00
41
66
Levofloxacin (µg/mL)
In t=0
K.p BAA 1705 - 2X10⁶

FIG. 18

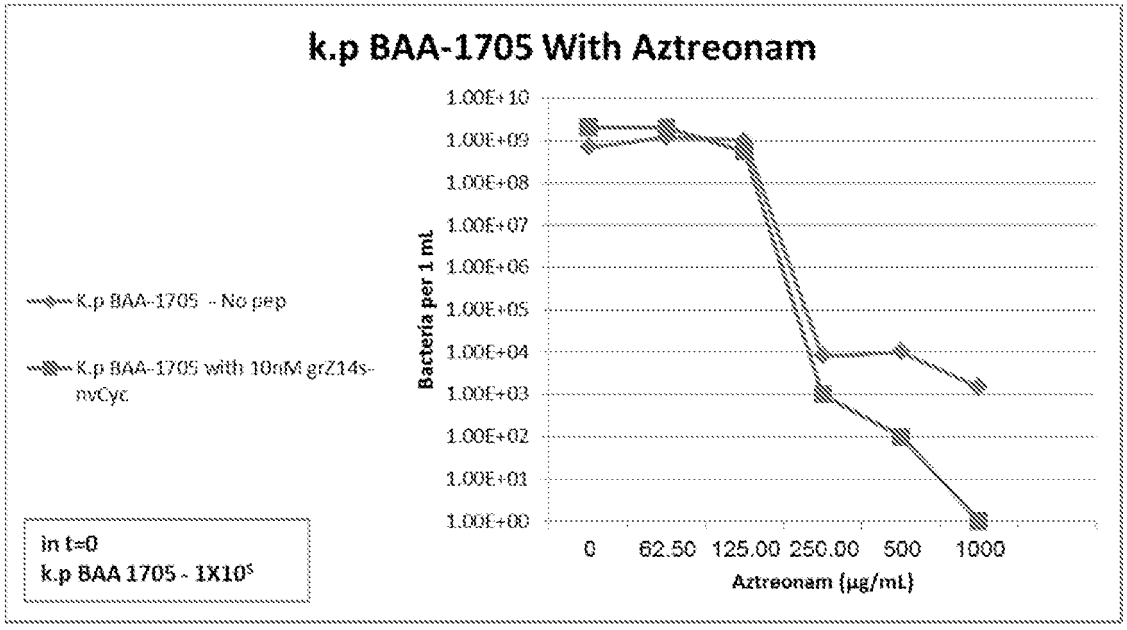


FIG. 19a

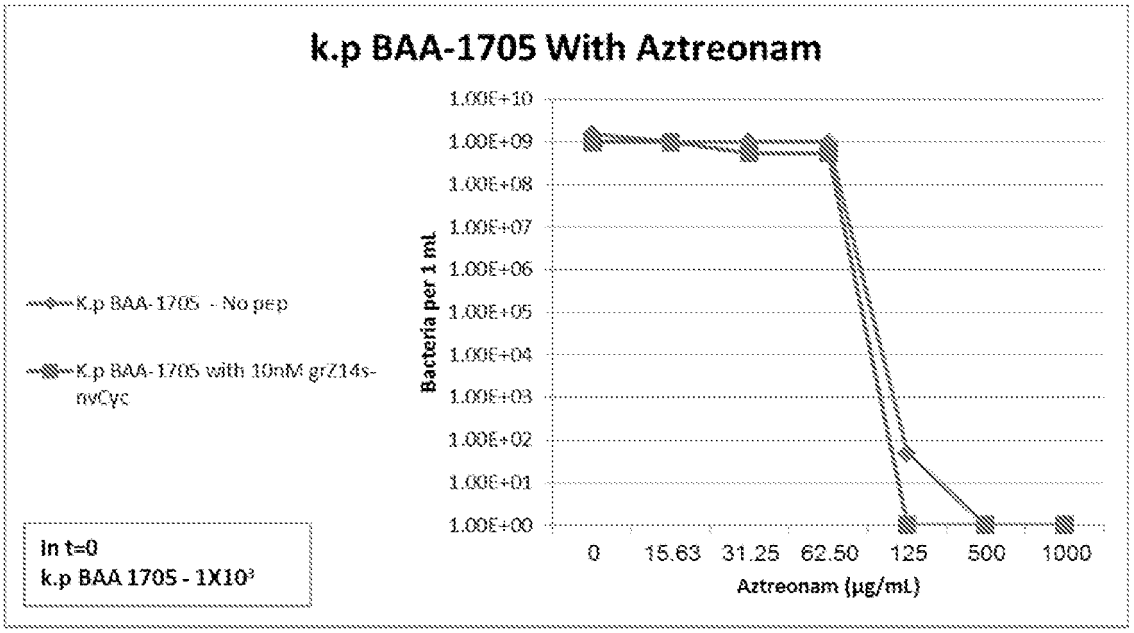


FIG. 19b