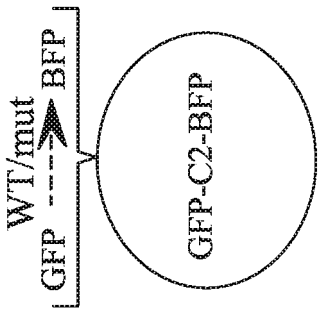


Fig. 1A

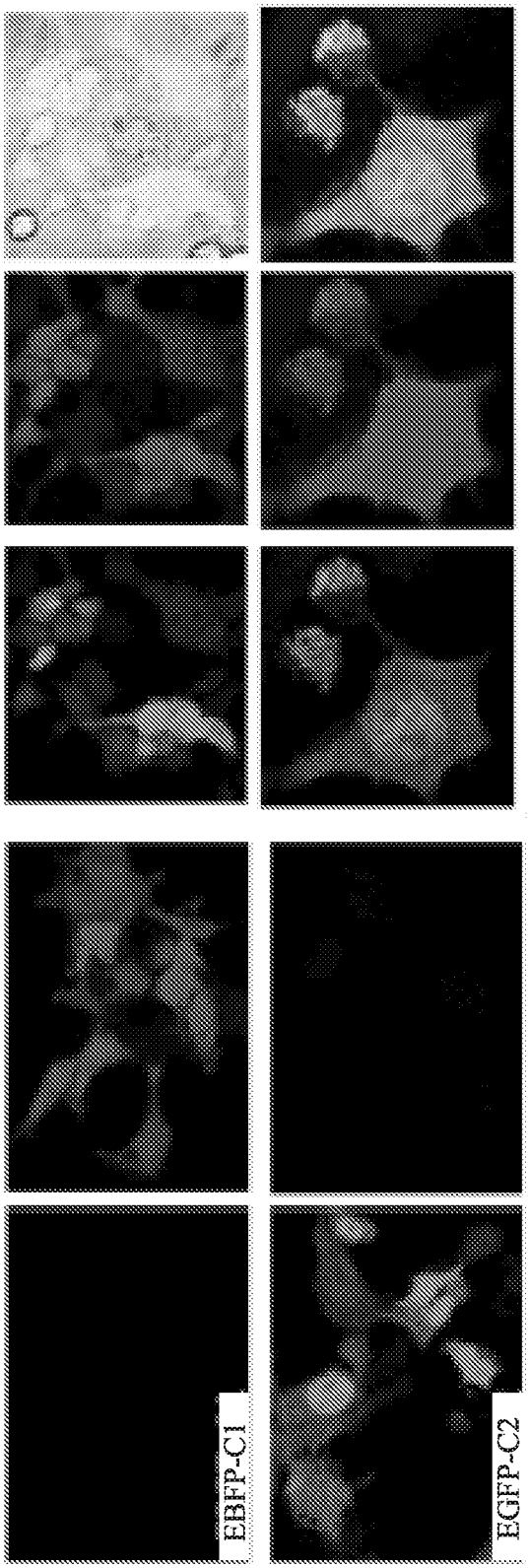


Fig. 1B

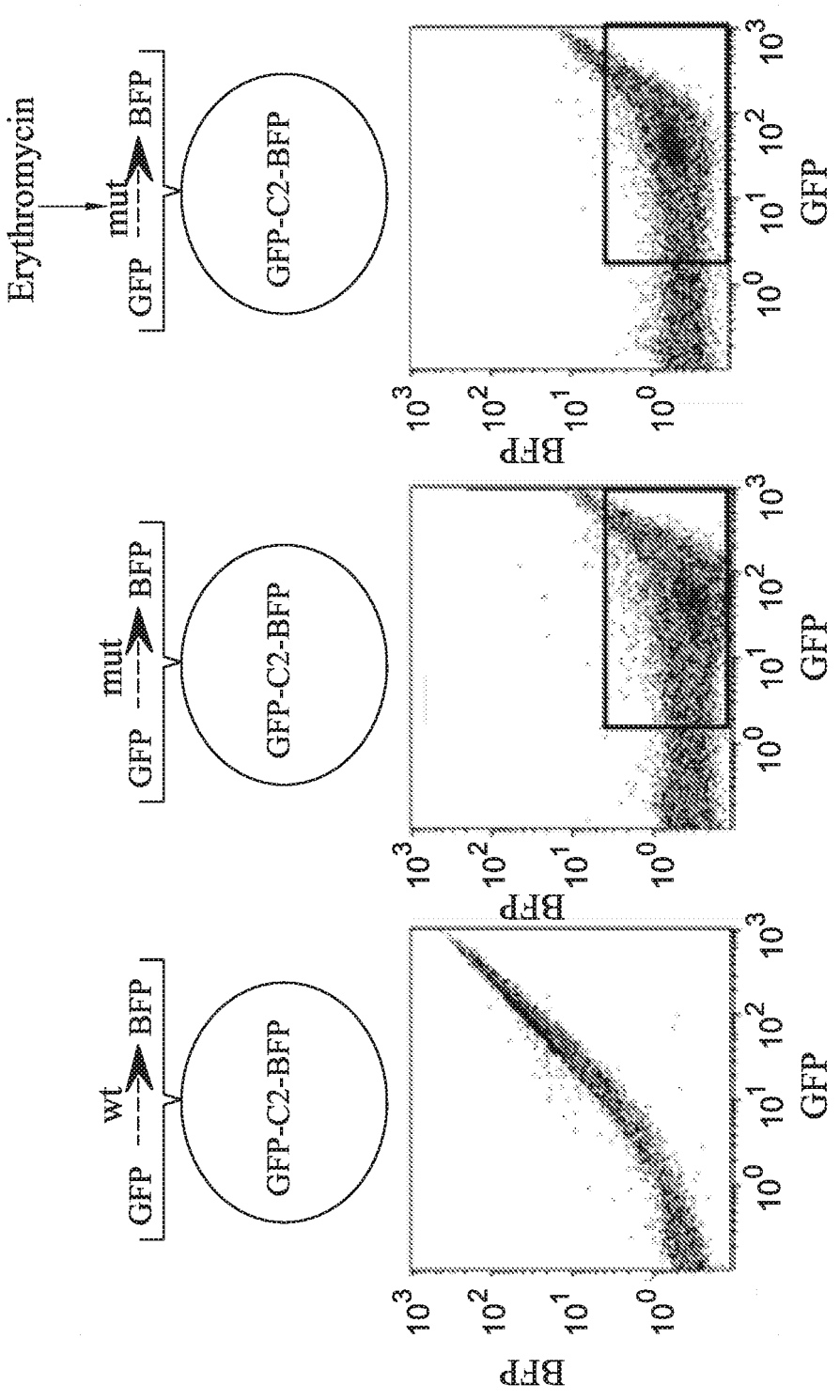


Fig. 1C-1

Fig. 1C-2

Fig. 1C-3

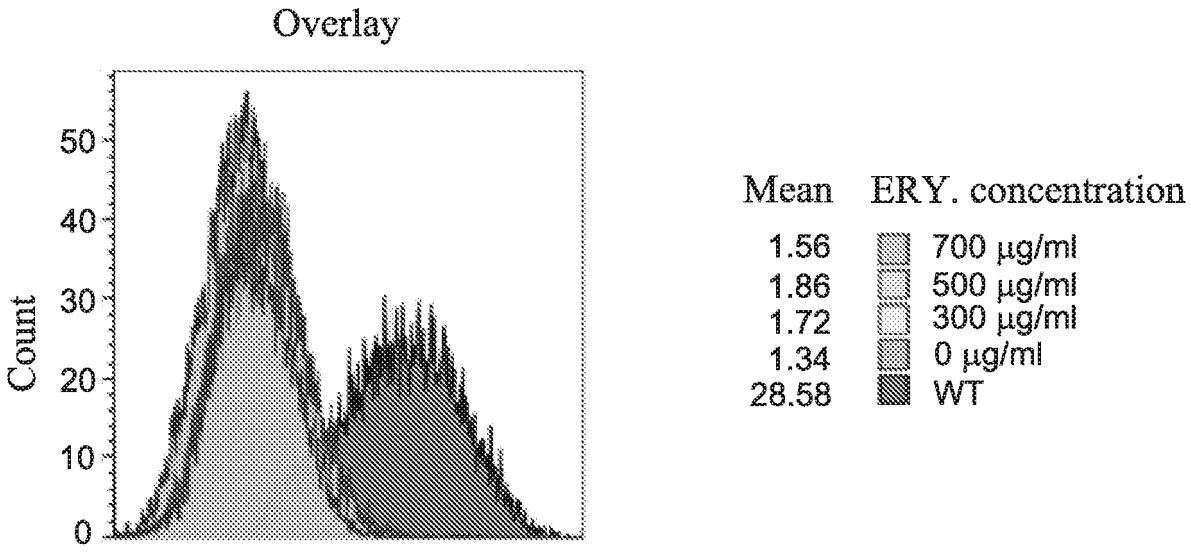

Overlay
Count
0
10
20
30
40
50
Mean ERY. concentration
1.56 700 µg/ml
1.86 500 µg/ml
1.72 300 µg/ml
1.34 0 µg/ml
28.58 WT

Fig. 1D

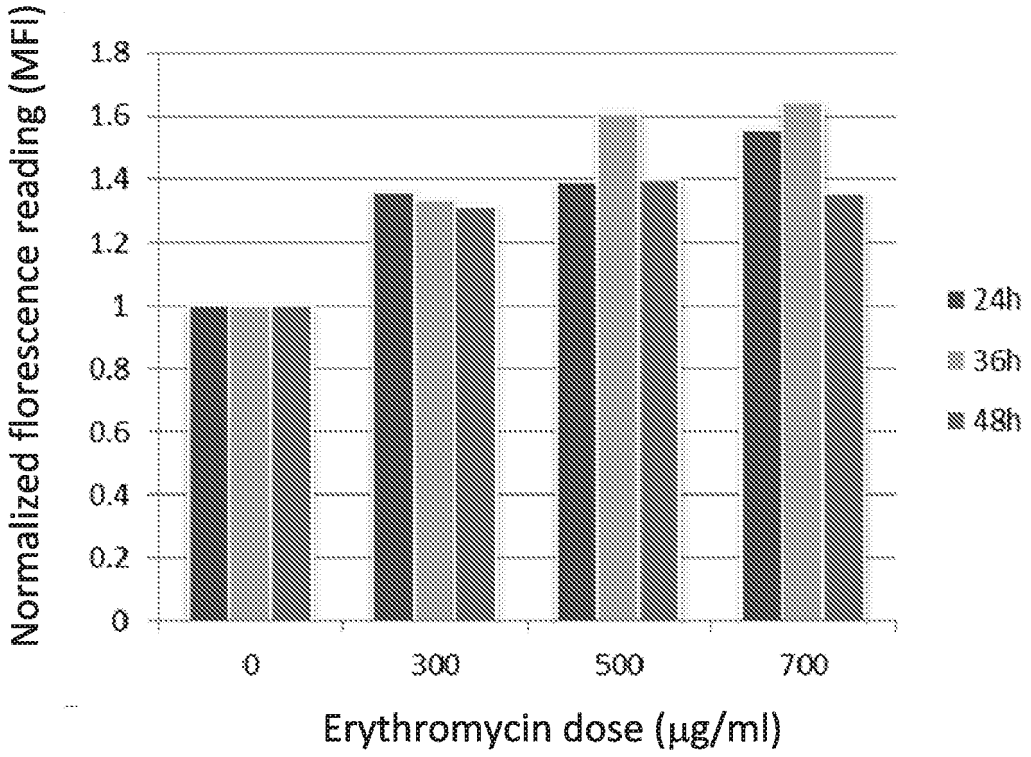

Normalized florescence reading (MFI)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
0
300
500
700
Erythromycin dose (µg/ml)
24h
36h
48h

Fig. 2

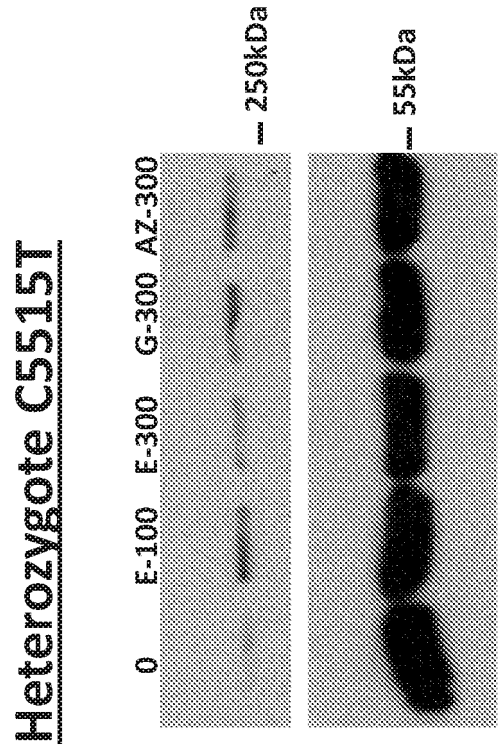


Fig. 3B

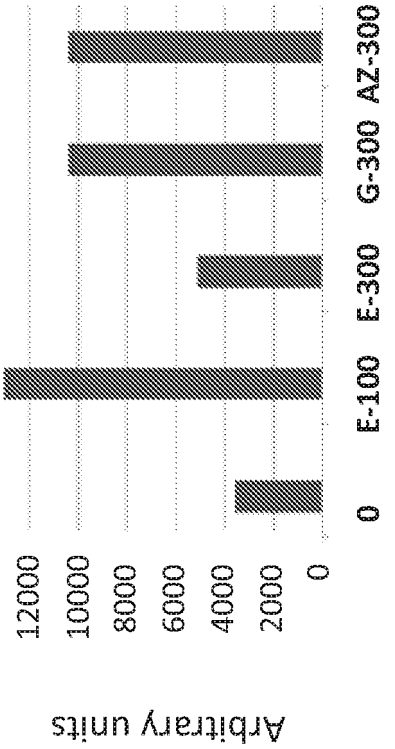


Fig. 3C

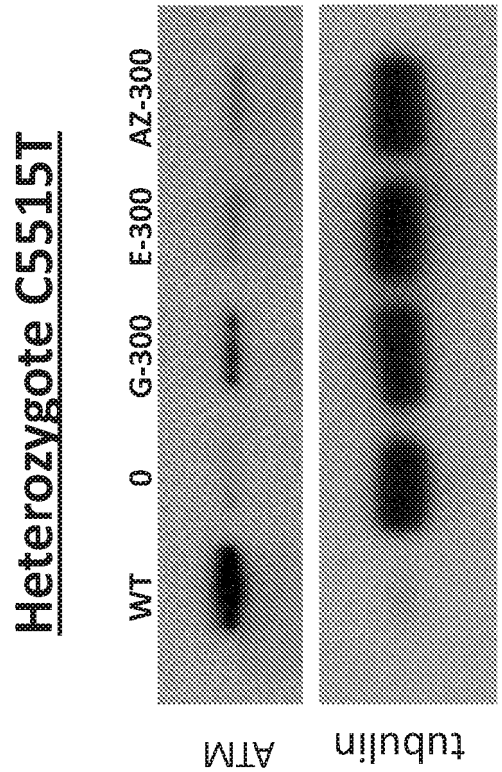


Fig. 3A

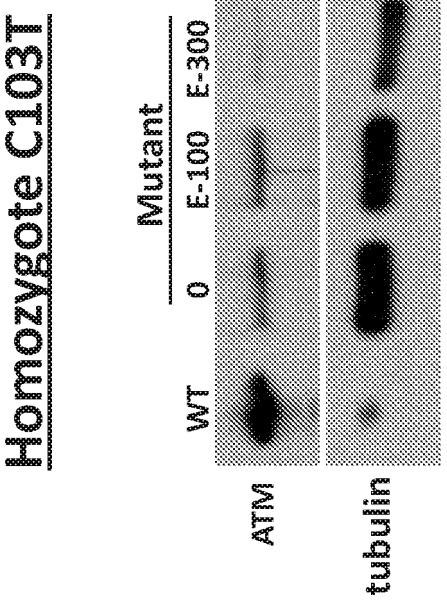


Fig. 3D

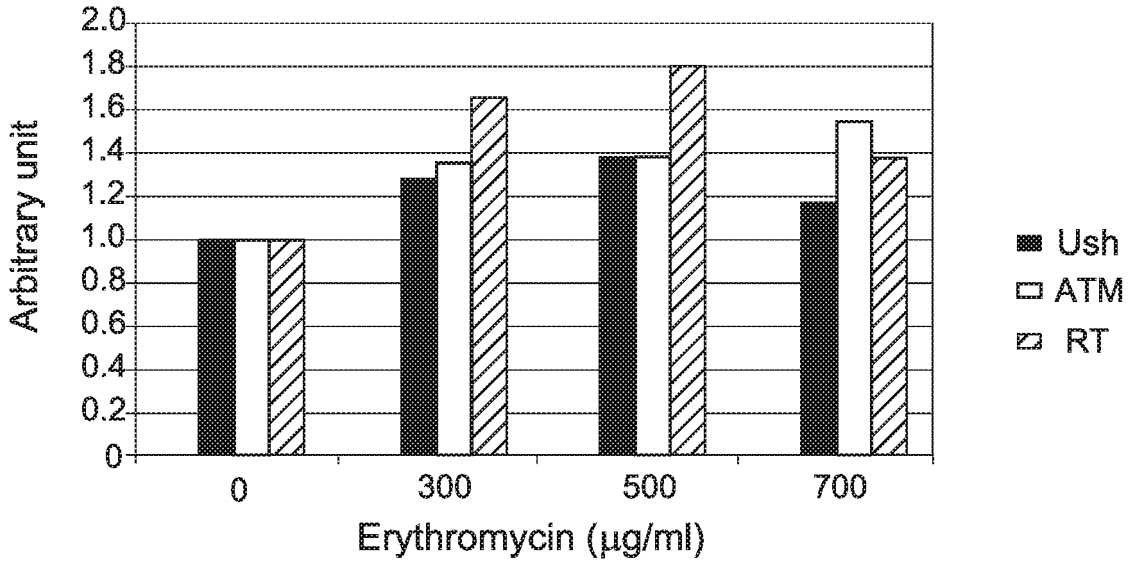

2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
Arbitrary unit
0
300
500
700
Erythromycin (µg/ml)
Ush
ATM
RT

Fig. 4A

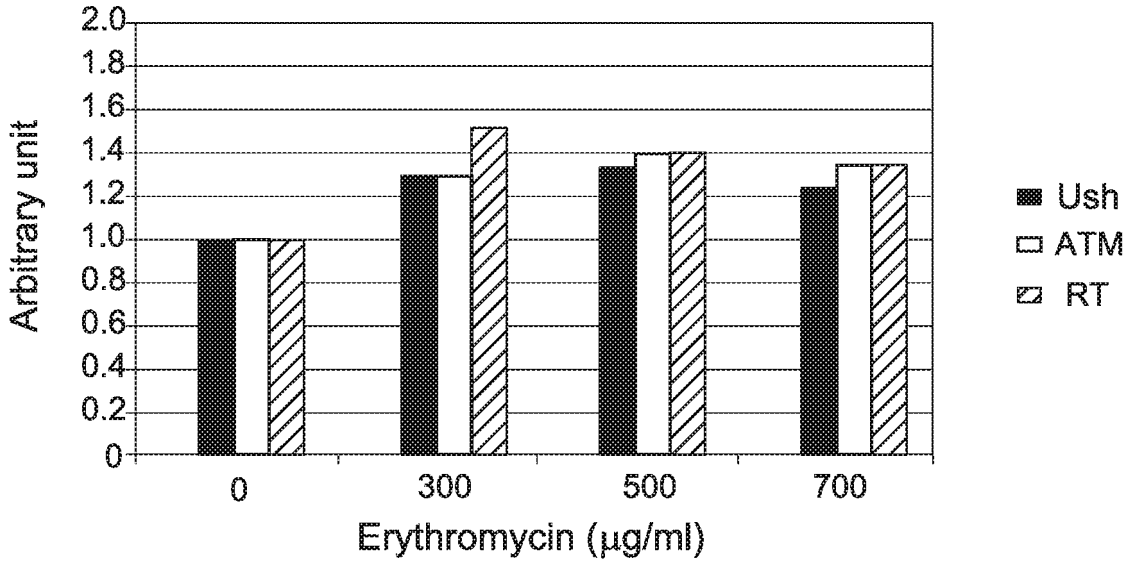

2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
Arbitrary unit
0
300
500
700
Erythromycin (µg/ml)
Ush
ATM
RT

Fig. 4B

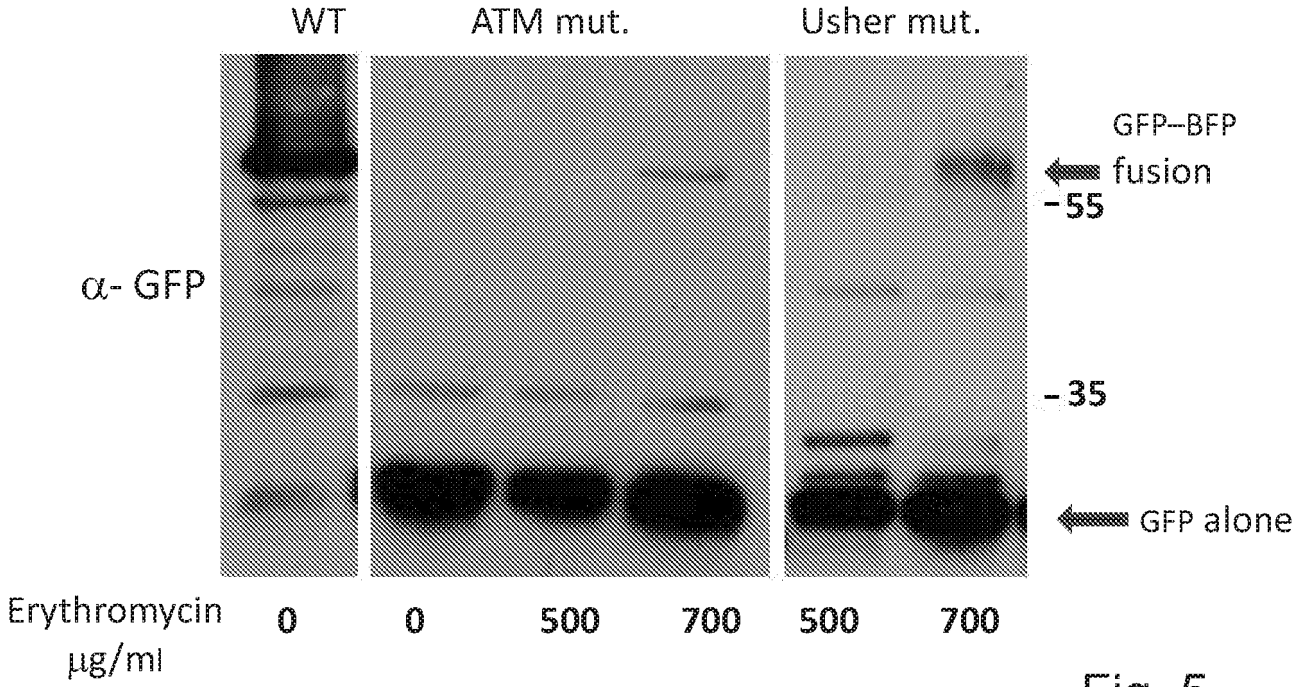
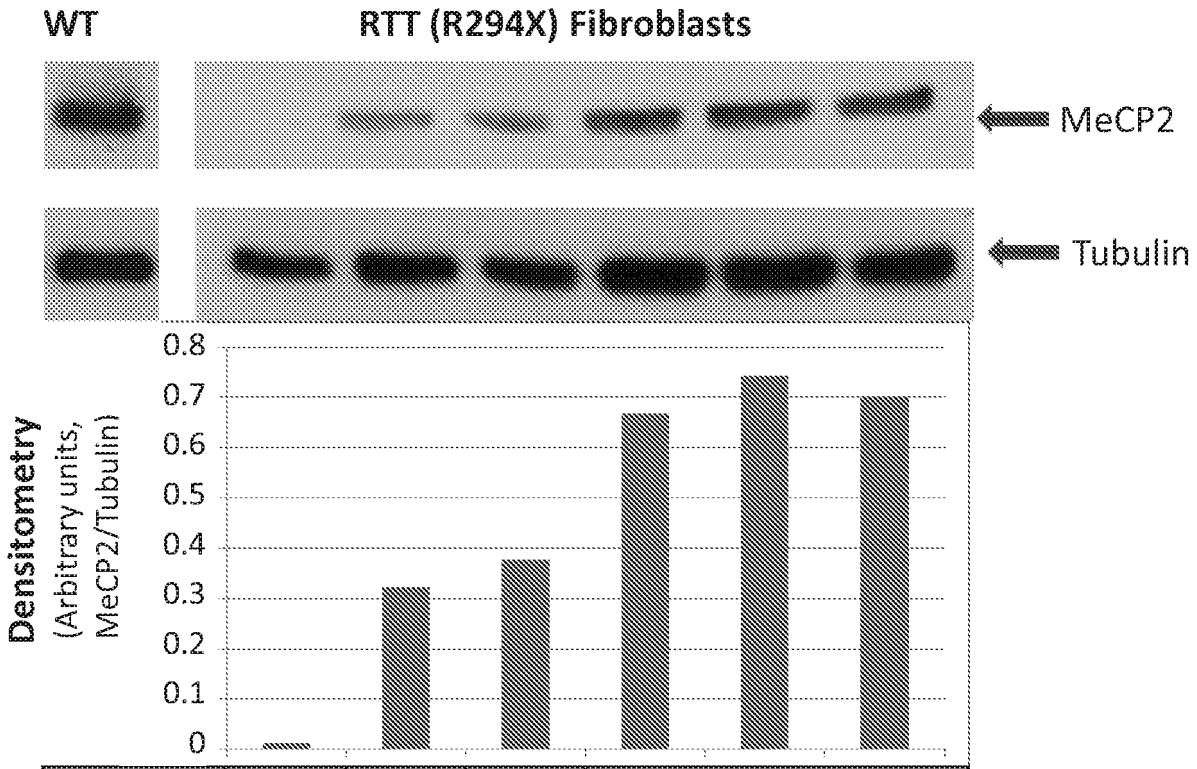


Fig. 5



Drug	–	Genta-mycin	Erythro-mycin	Azithromycin		
Conc. (µg/ml)	–	300	100	10	100	300

Fig. 6

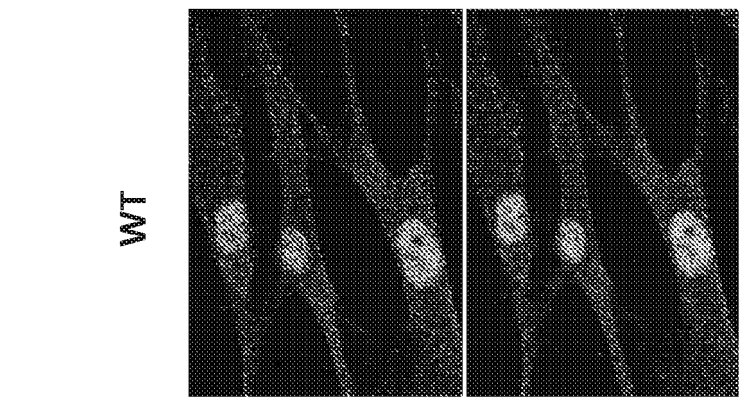


Fig. 7A

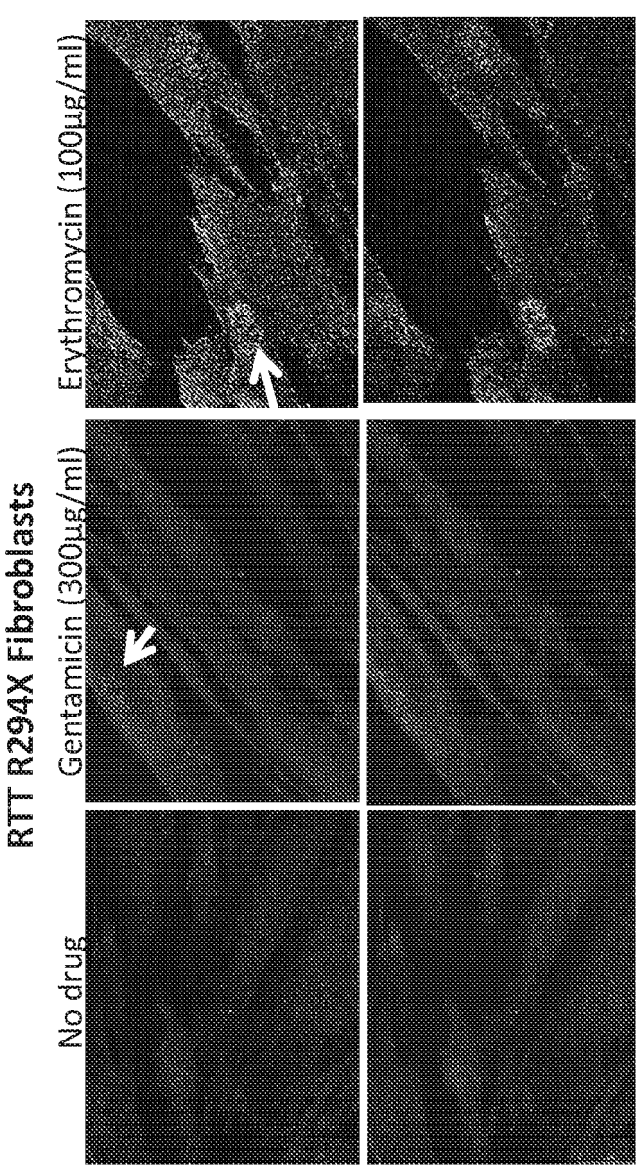


Fig. 7B

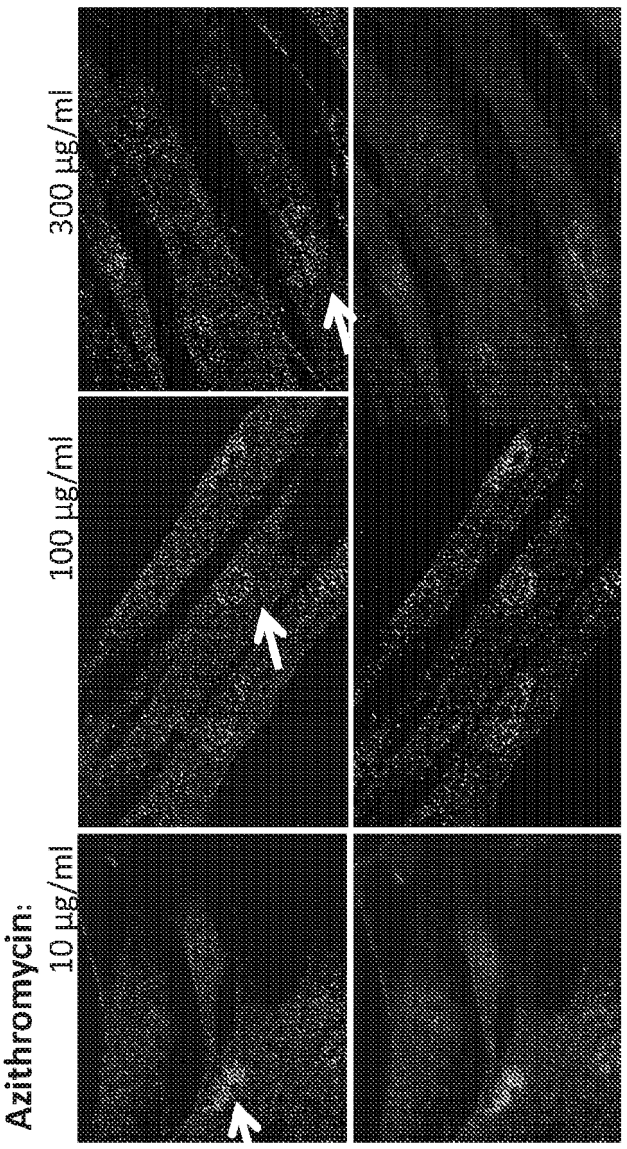


Fig. 7C

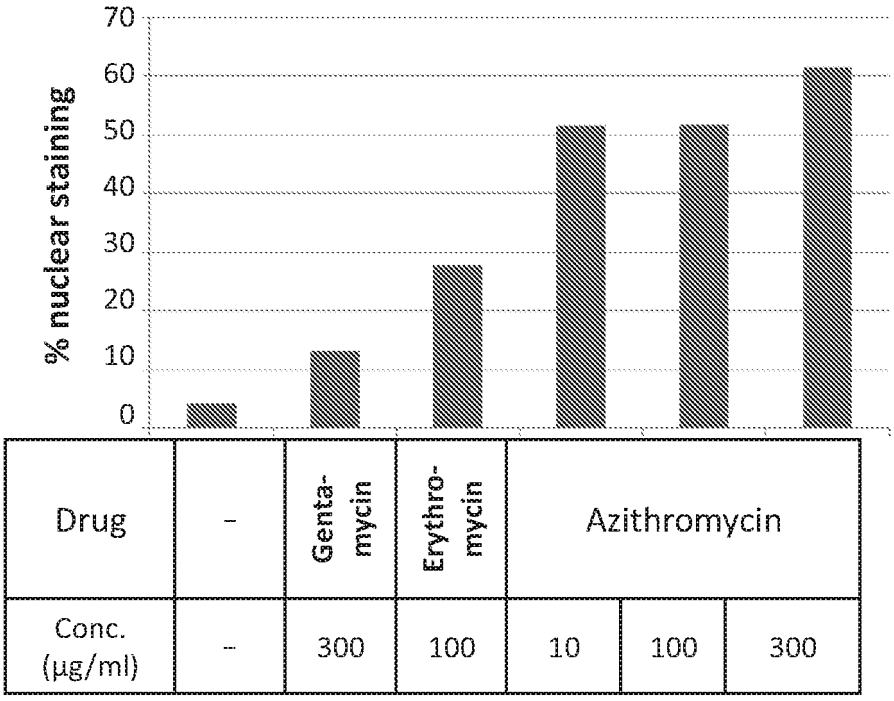

% nuclear staining
70
60
50
40
30
20
10
0
Drug
-
Genta-mycin
Erythro-mycin
Azithromycin
Conc. (µg/ml)
-
300
100
10
100
300

Fig. 7D

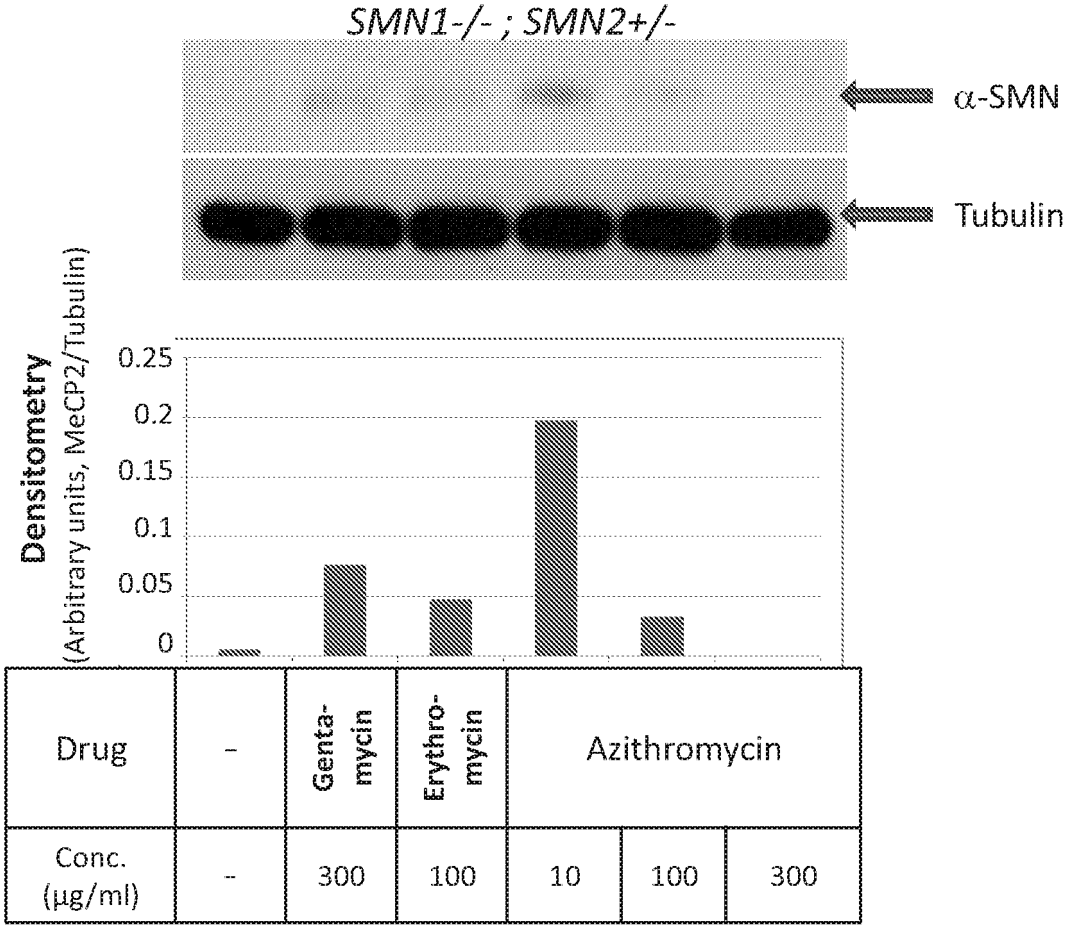
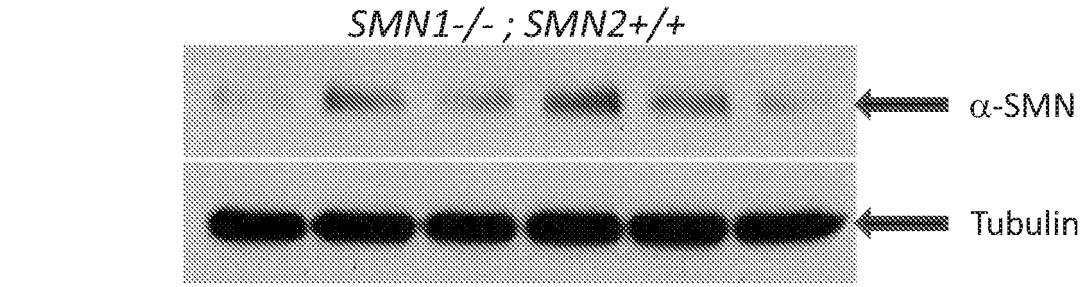
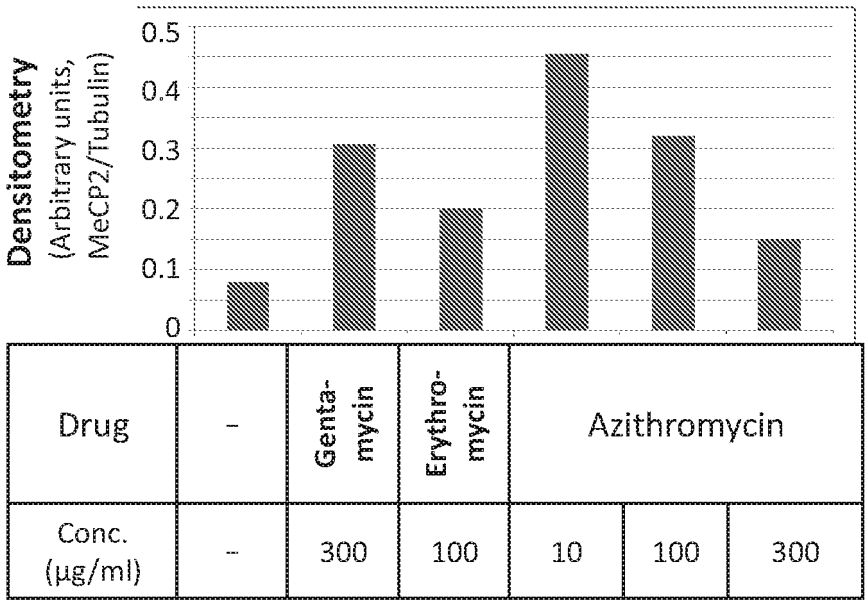

SMN1-/- ; SMN2+/-
α-SMN
Tubulin
Densitometry
(Arbitrary units, MeCP2/Tubulin)
0.25
0.2
0.15
0.1
0.05
0
Drug
-
Genta-mycin
Erythro-mycin
Azithromycin
Conc. (µg/ml)
-
300
100
10
100
300

Fig. 8A





Drug	–	Genta-mycin	Erythro-mycin	Azithromycin		
Conc. (µg/ml)	–	300	100	10	100	300

Fig. 8B

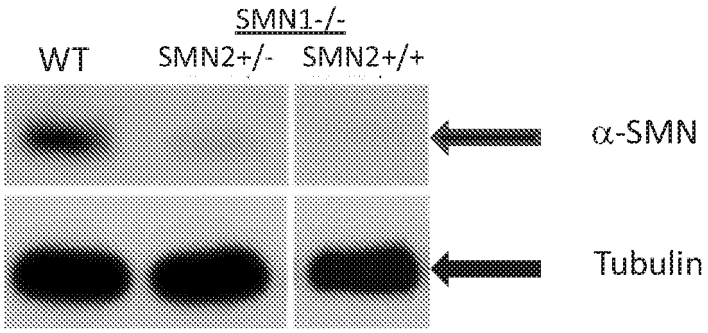
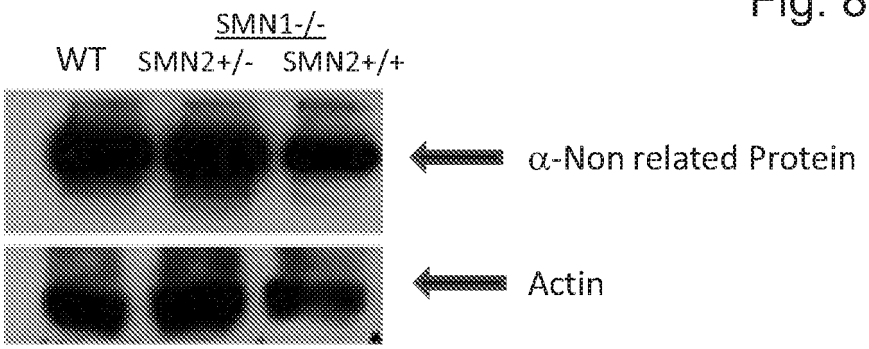
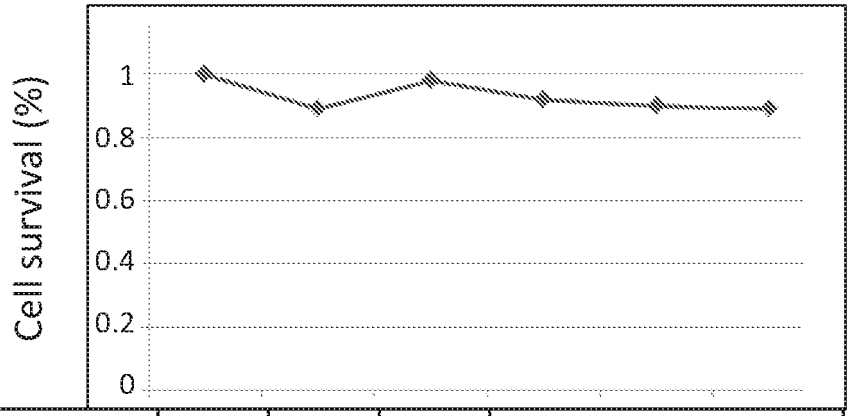


Fig. 8C



Drug (500µg/ml)	-	Genta-mycin	Erythro-mycin

Fig. 8D



Drug	-	Genta-mycin	Erythro-mycin	Azithromycin		
Conc. (µg/ml)	-	300	100	10	100	300

Fig. 8E