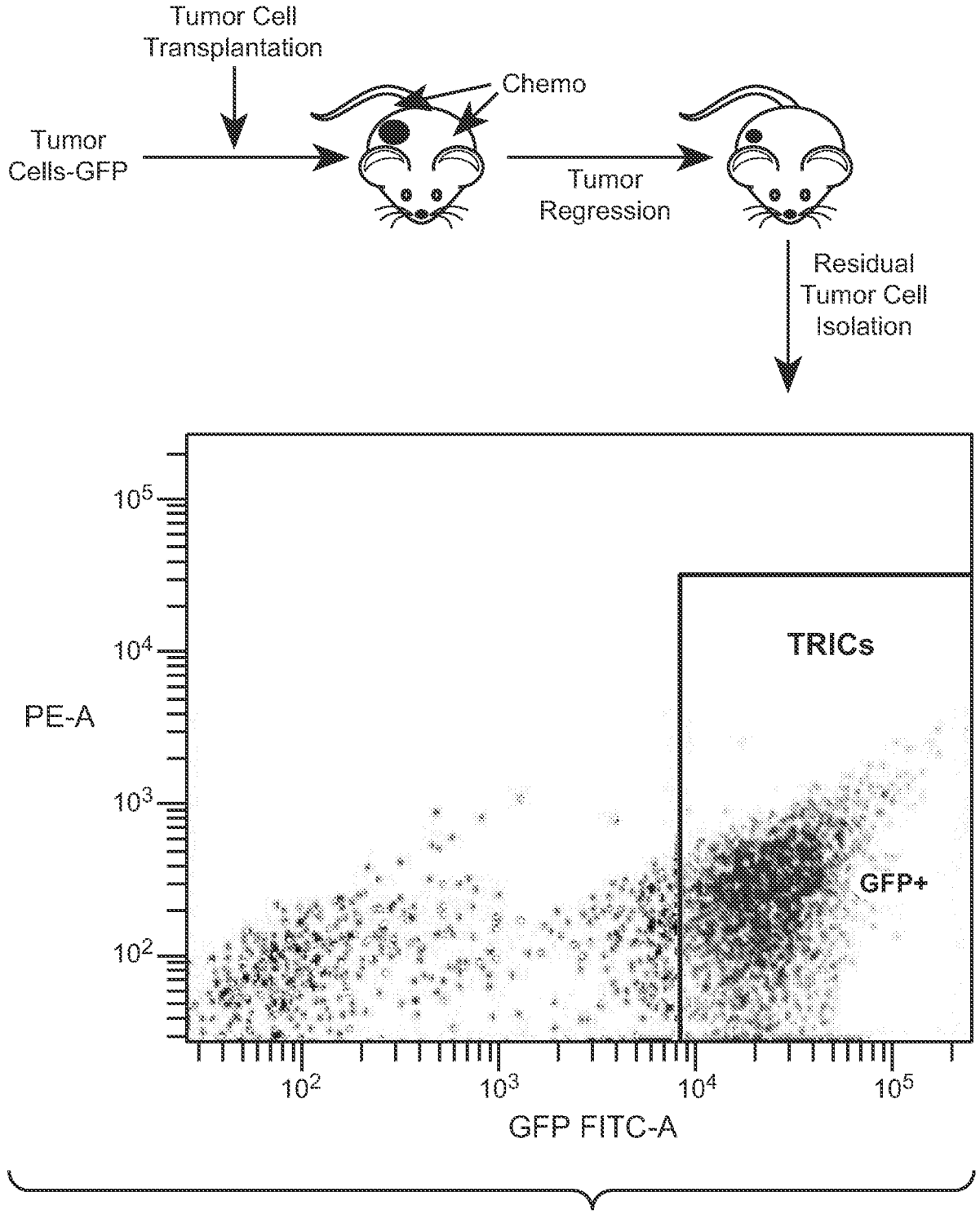

Tumor Cell
Transplantation
Chemo
Tumor
Cells-GFP
Tumor
Regression
Residual
Tumor Cell
Isolation
TRICs
GFP+
PE-A
GFP FITC-A
10^2
10^3
10^4
10^5

FIG. 1

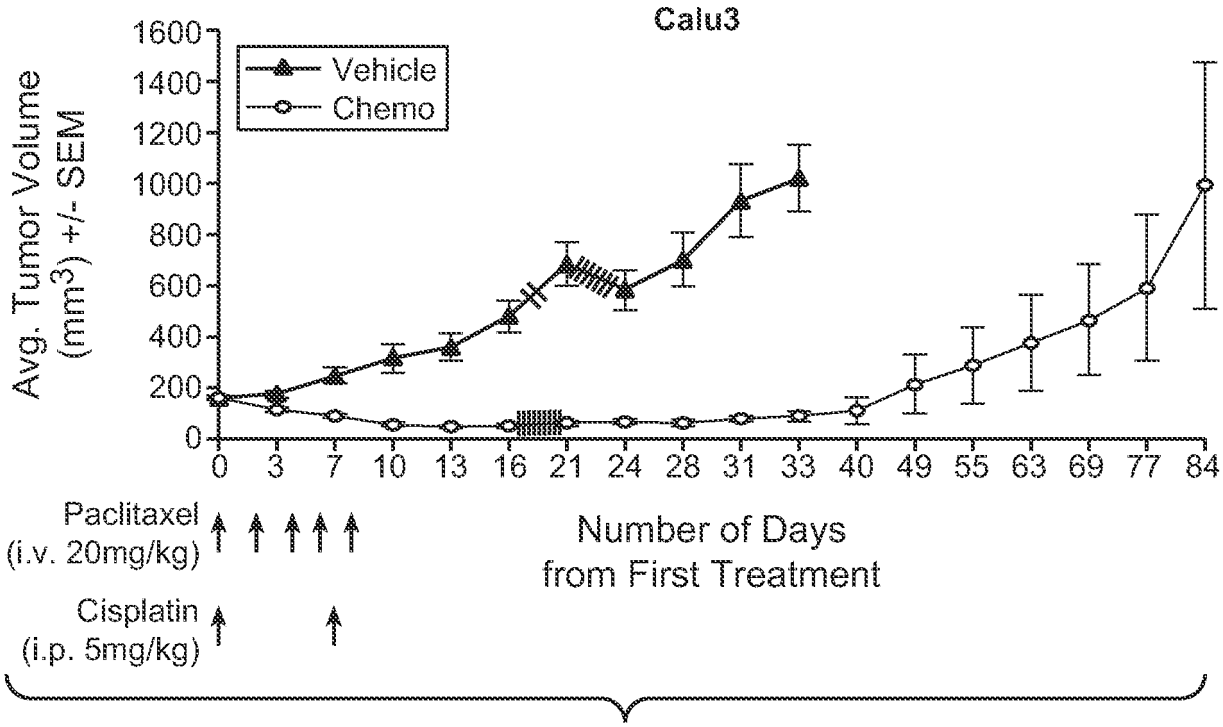

Calu3
Vehicle
Chemo
Avg. Tumor Volume
(mm3) +/- SEM
1600
1400
1200
1000
800
600
400
200
0
0 3 7 10 13 16 21 24 28 31 33 40 49 55 63 69 77 84
Paclitaxel
(i.v. 20mg/kg)
Cisplatin
(i.p. 5mg/kg)
Number of Days
from First Treatment

FIG. 2A

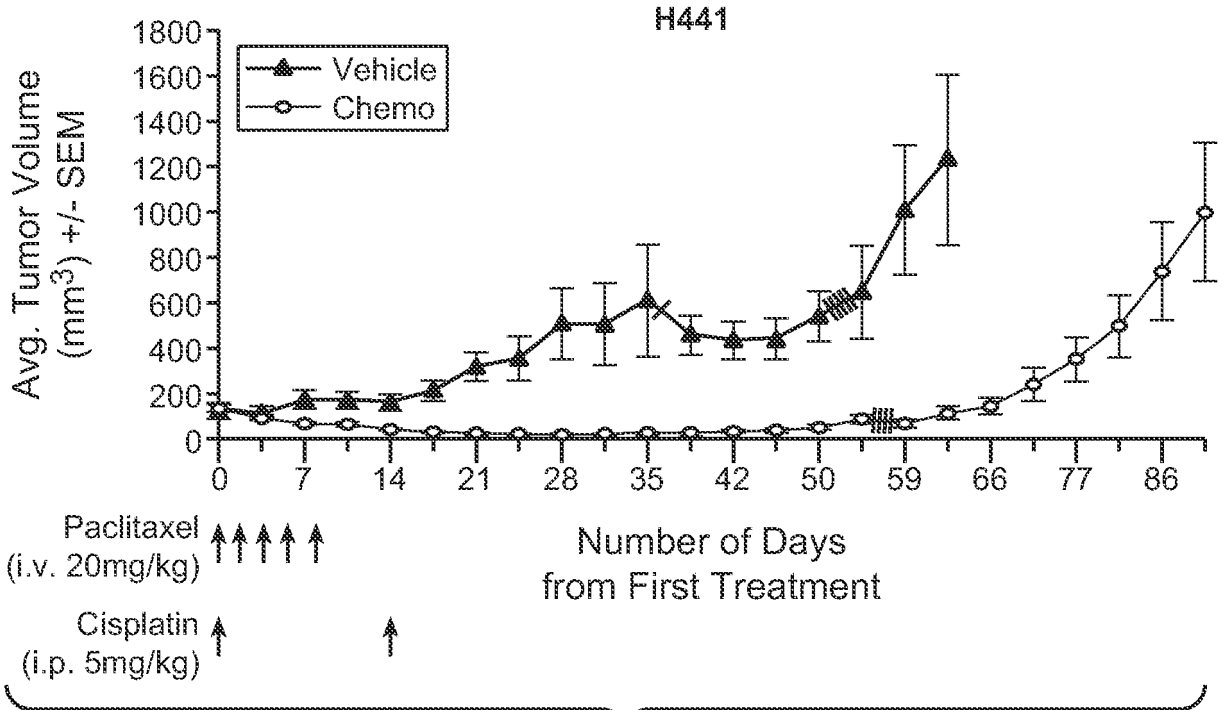

H441
Vehicle
Chemo
Avg. Tumor Volume
(mm3) +/- SEM
1800
1600
1400
1200
1000
800
600
400
200
0
0 7 14 21 28 35 42 50 59 66 77 86
Paclitaxel
(i.v. 20mg/kg)
Cisplatin
(i.p. 5mg/kg)
Number of Days
from First Treatment

FIG. 2B

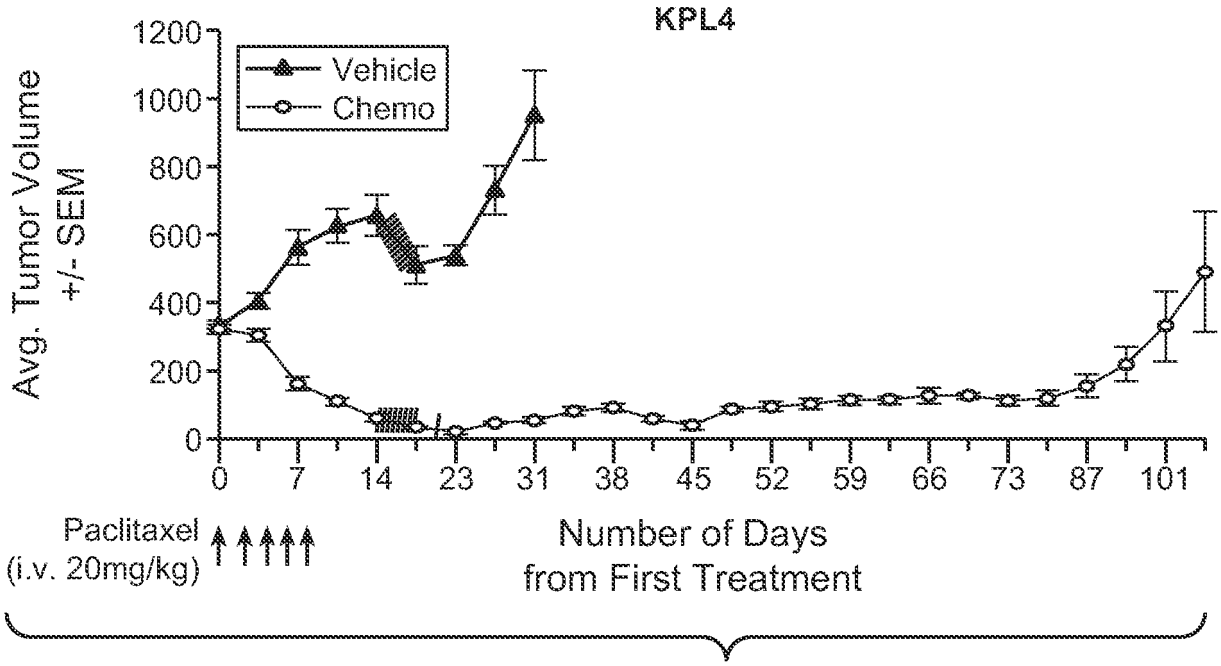

KPL4
Vehicle
Chemo
Avg. Tumor Volume
+/- SEM
1200
1000
800
600
400
200
0
0
7
14
23
31
38
45
52
59
66
73
87
101
Paclitaxel
(i.v. 20mg/kg)
Number of Days
from First Treatment

FIG. 2C

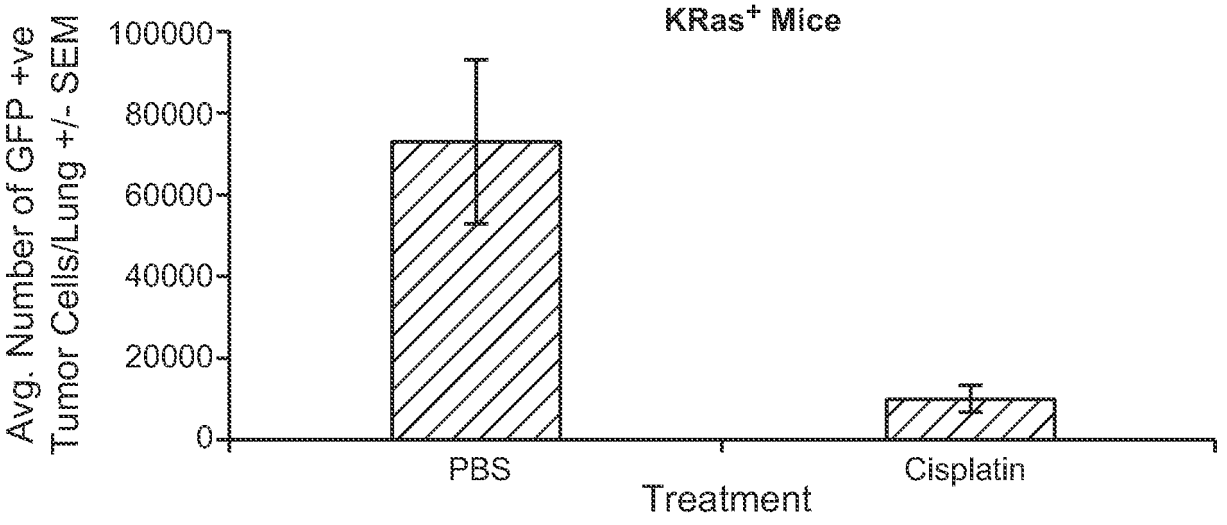

KRas+ Mice
Avg. Number of GFP +ve
Tumor Cells/Lung +/- SEM
100000
80000
60000
40000
20000
0
PBS
Cisplatin
Treatment

FIG. 2D

FIG. 3A

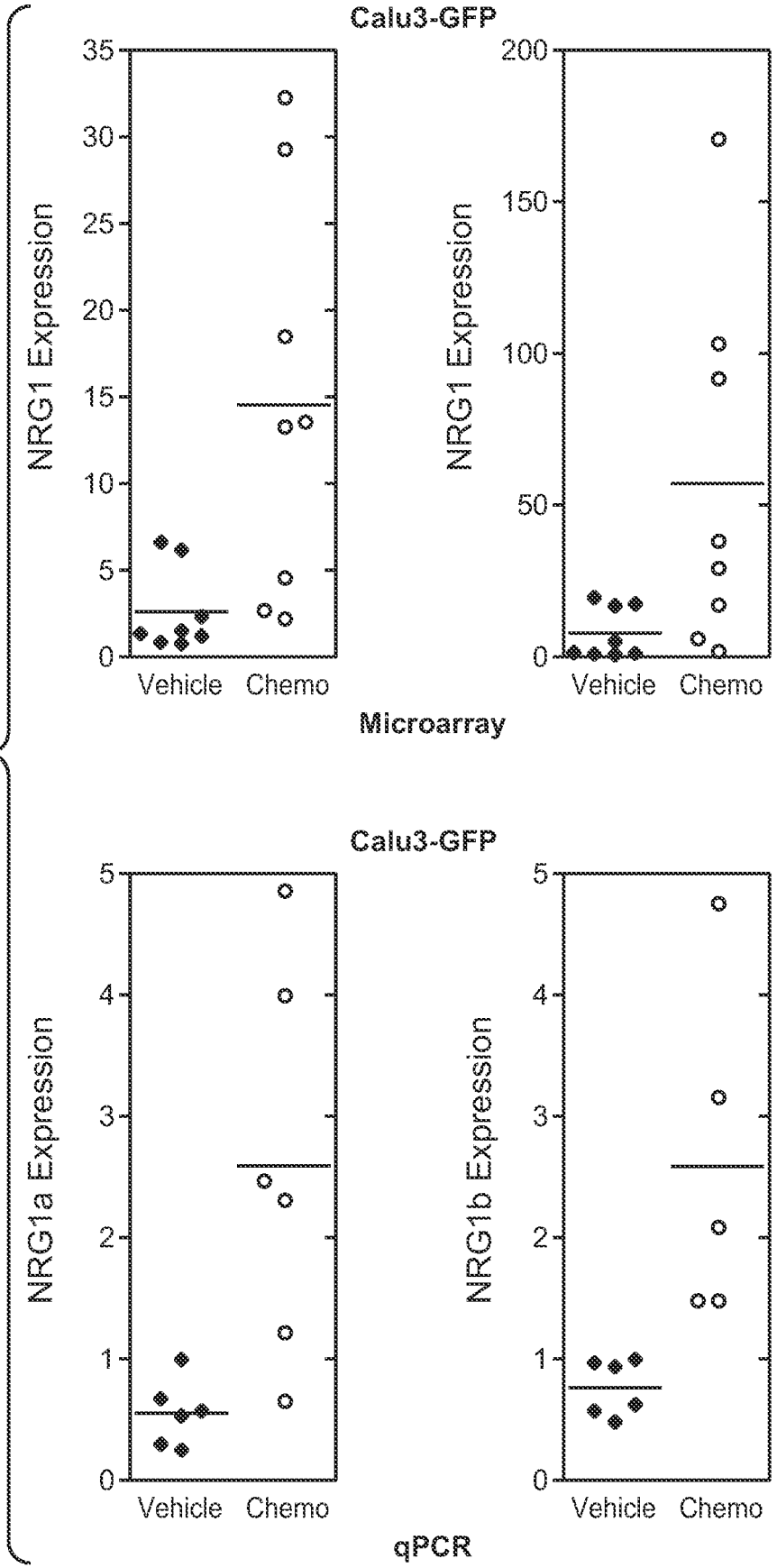

Calu3-GFP
NRG1 Expression
35
30
25
20
15
10
5
0
Vehicle
Chemo
NRG1 Expression
200
150
100
50
0
Vehicle
Chemo
Microarray
Calu3-GFP
NRG1a Expression
5
4
3
2
1
0
Vehicle
Chemo
NRG1b Expression
5
4
3
2
1
0
Vehicle
Chemo
qPCR

FIG. 3B

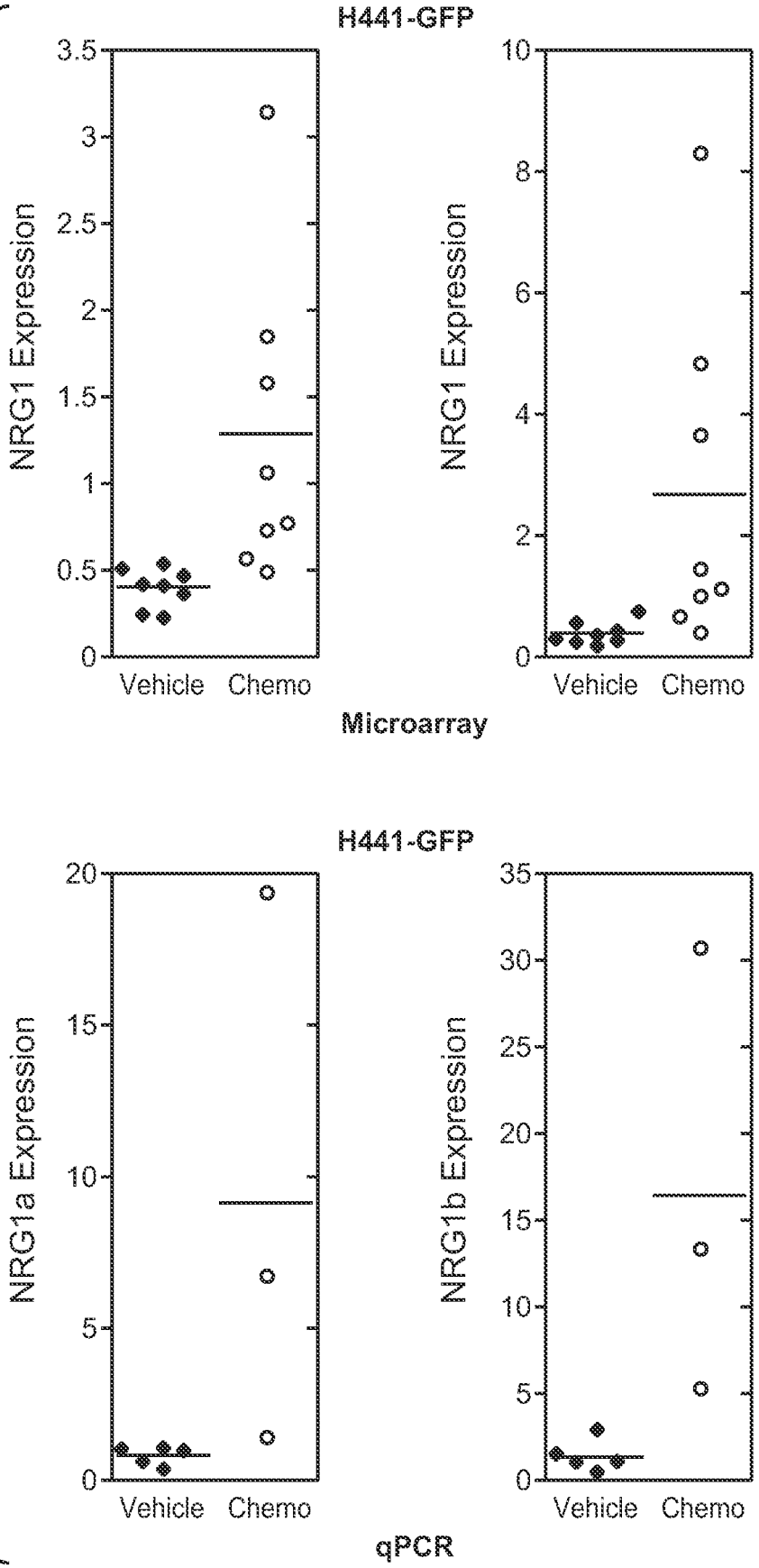

H441-GFP
NRG1 Expression
3.5
3
2.5
2
1.5
1
0.5
0
Vehicle
Chemo
NRG1 Expression
10
8
6
4
2
0
Vehicle
Chemo
Microarray
H441-GFP
NRG1a Expression
20
15
10
5
0
Vehicle
Chemo
NRG1b Expression
35
30
25
20
15
10
5
0
Vehicle
Chemo
qPCR

FIG. 3C

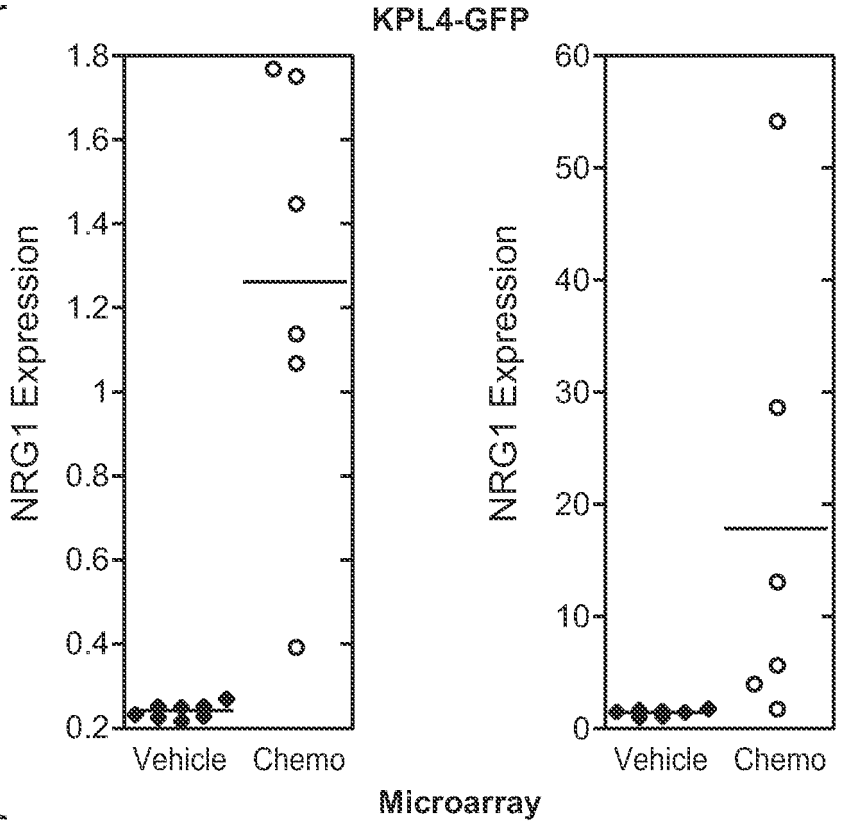
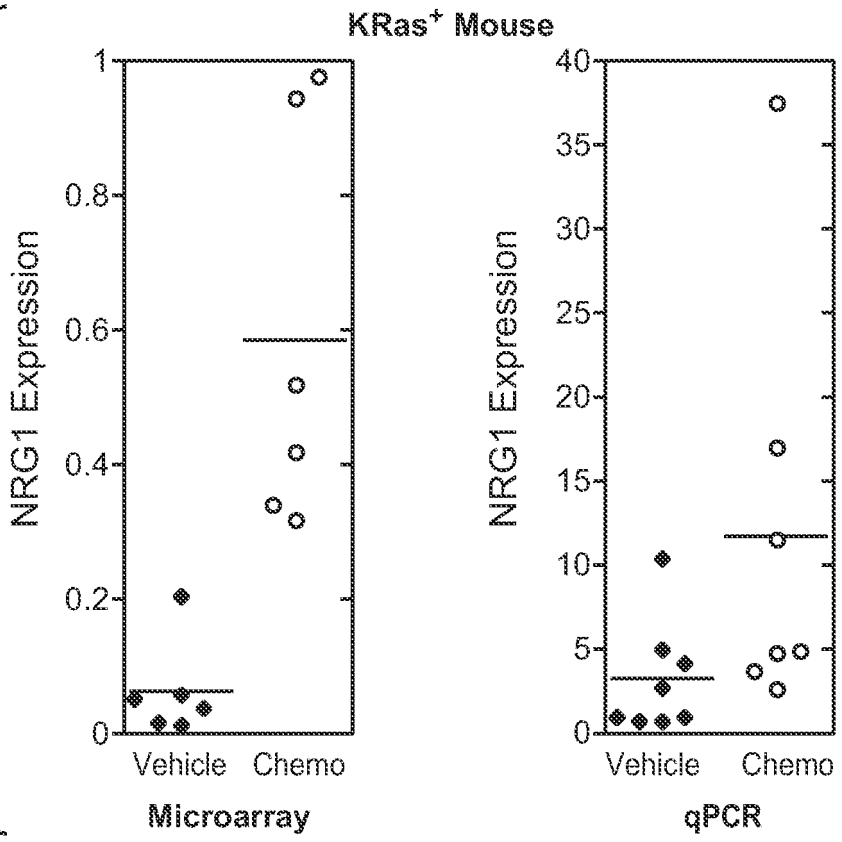

KPL4-GFP
NRG1 Expression
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
Vehicle
Chemo
NRG1 Expression
60
50
40
30
20
10
0
Vehicle
Chemo
Microarray

FIG. 3D


KRas+ Mouse
NRG1 Expression
1
0.8
0.6
0.4
0.2
0
Vehicle
Chemo
Microarray
NRG1 Expression
40
35
30
25
20
15
10
5
0
Vehicle
Chemo
qPCR

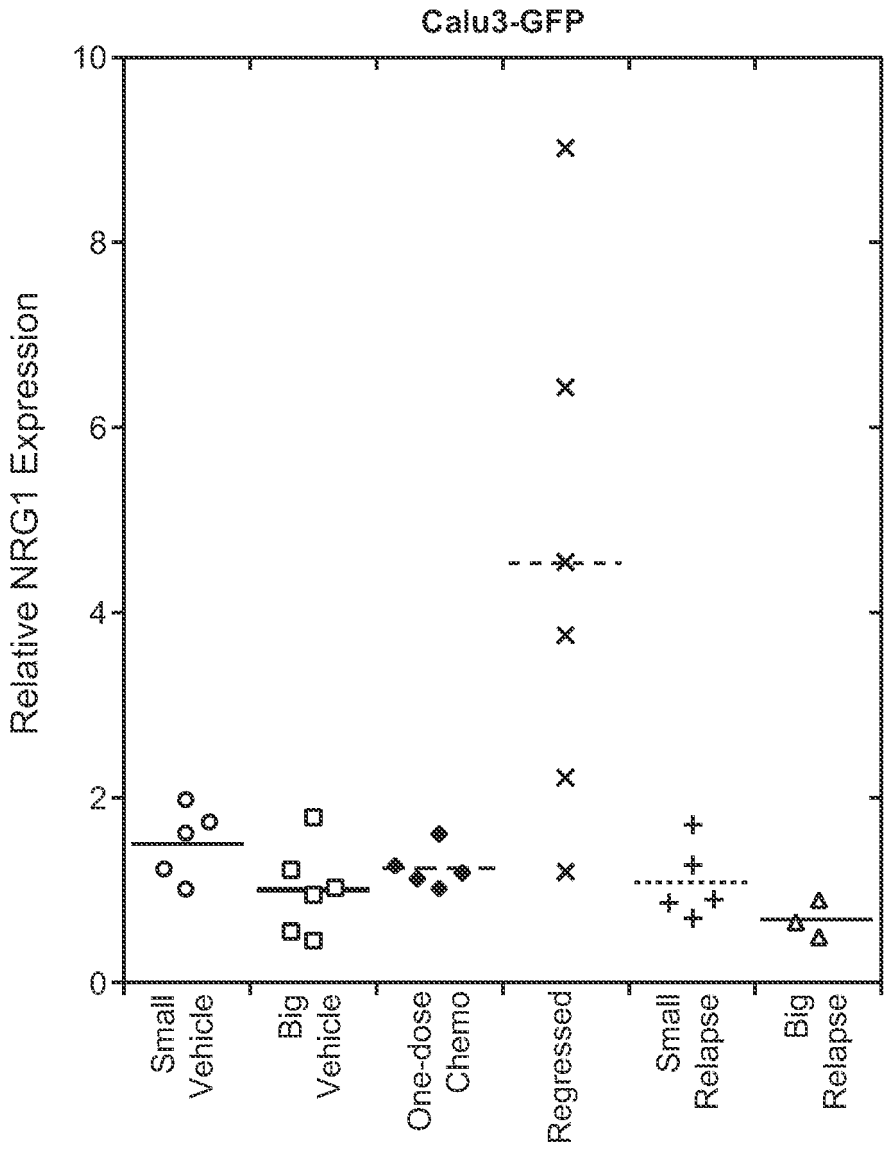

Calu3-GFP
Relative NRG1 Expression
10
8
6
4
2
0
Small Vehicle
Big Vehicle
One-dose Chemo
Regressed
Small Relapse
Big Relapse

FIG. 4

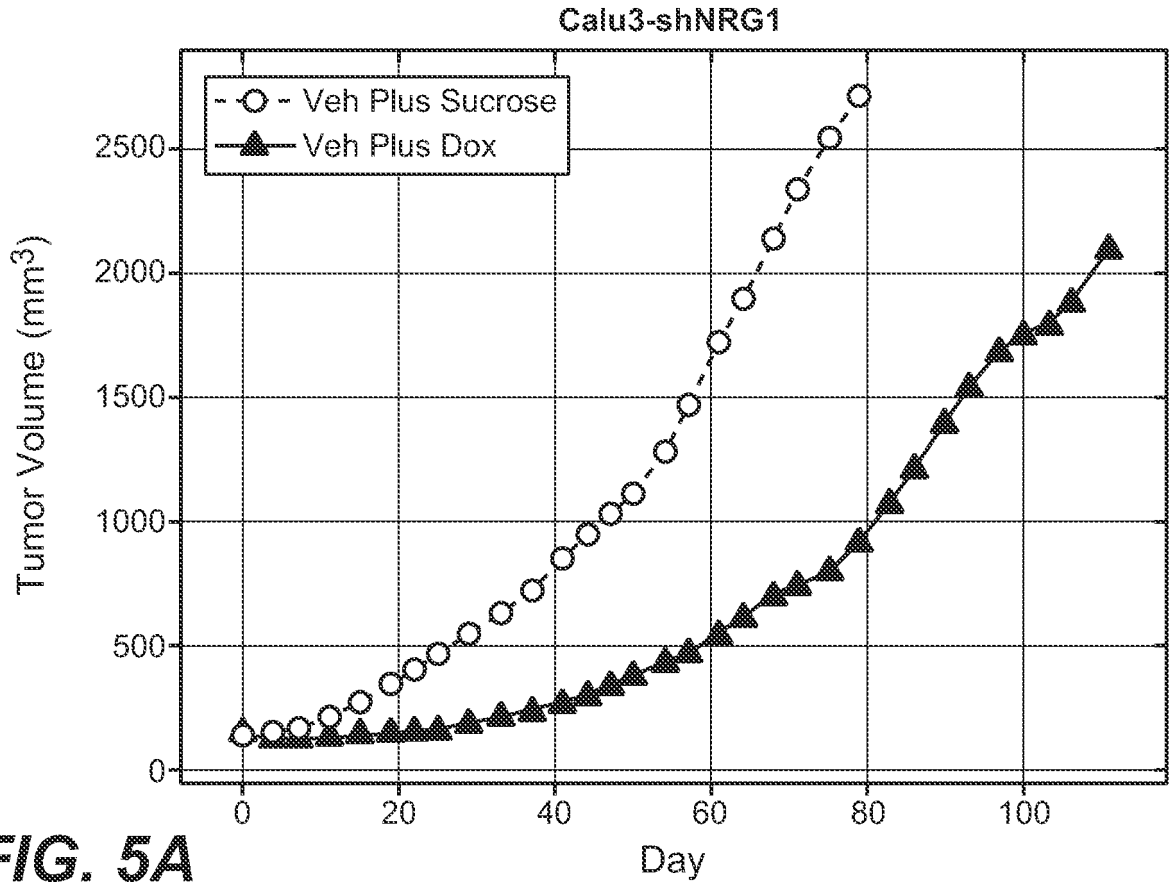

Calu3-shNRG1
Veh Plus Sucrose
Veh Plus Dox
Tumor Volume (mm3)
2500
2000
1500
1000
500
0
0
20
40
60
80
100
Day

FIG. 5A

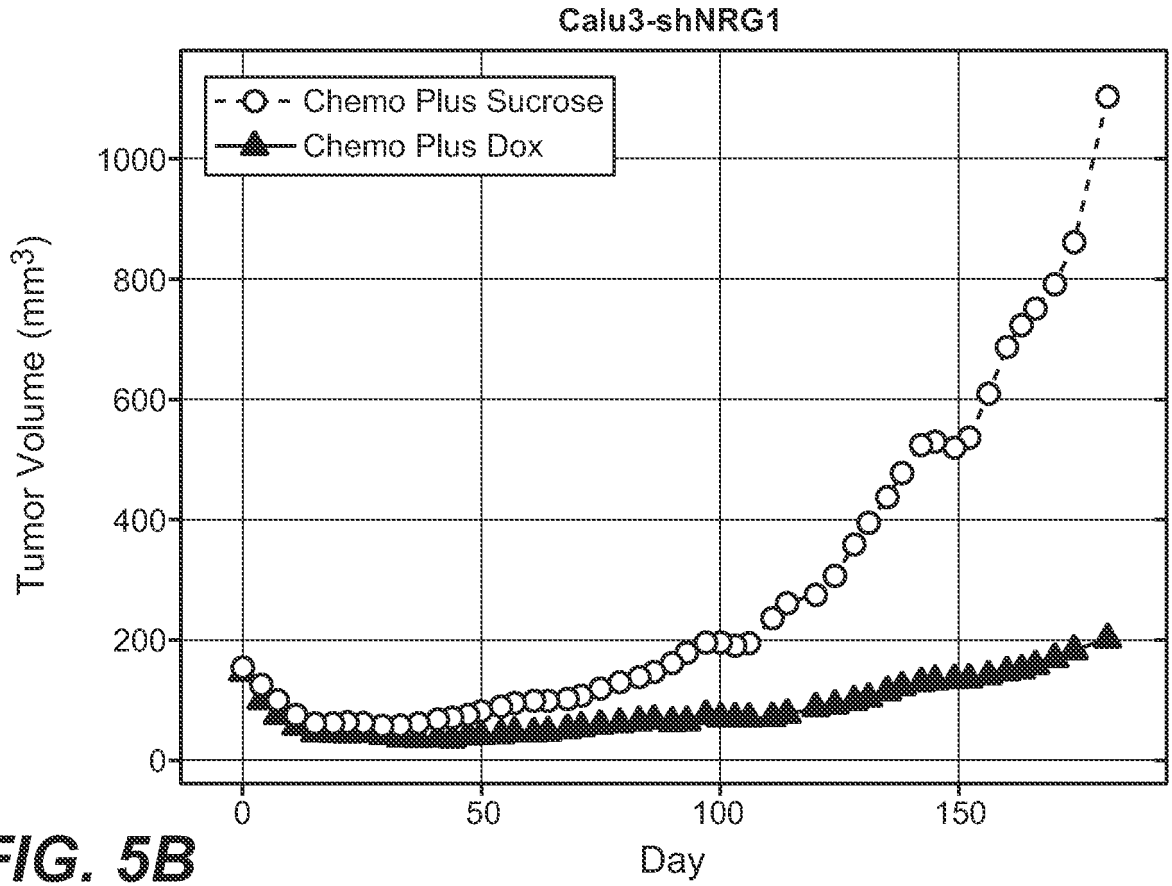

Calu3-shNRG1
Chemo Plus Sucrose
Chemo Plus Dox
Tumor Volume (mm3)
1000
800
600
400
200
0
0
50
100
150
Day

FIG. 5B

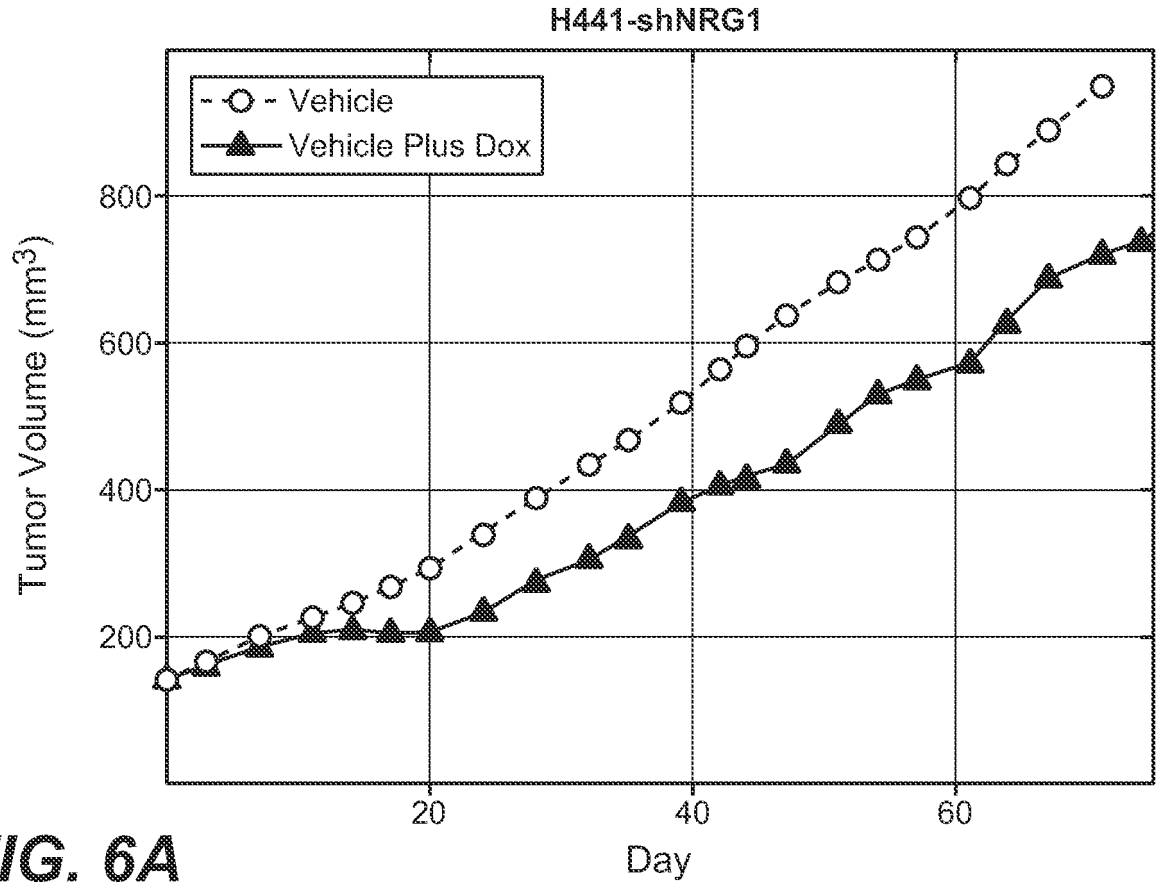

H441-shNRG1
Vehicle
Vehicle Plus Dox
Tumor Volume (mm3)
800
600
400
200
20
40
60
Day

FIG. 6A

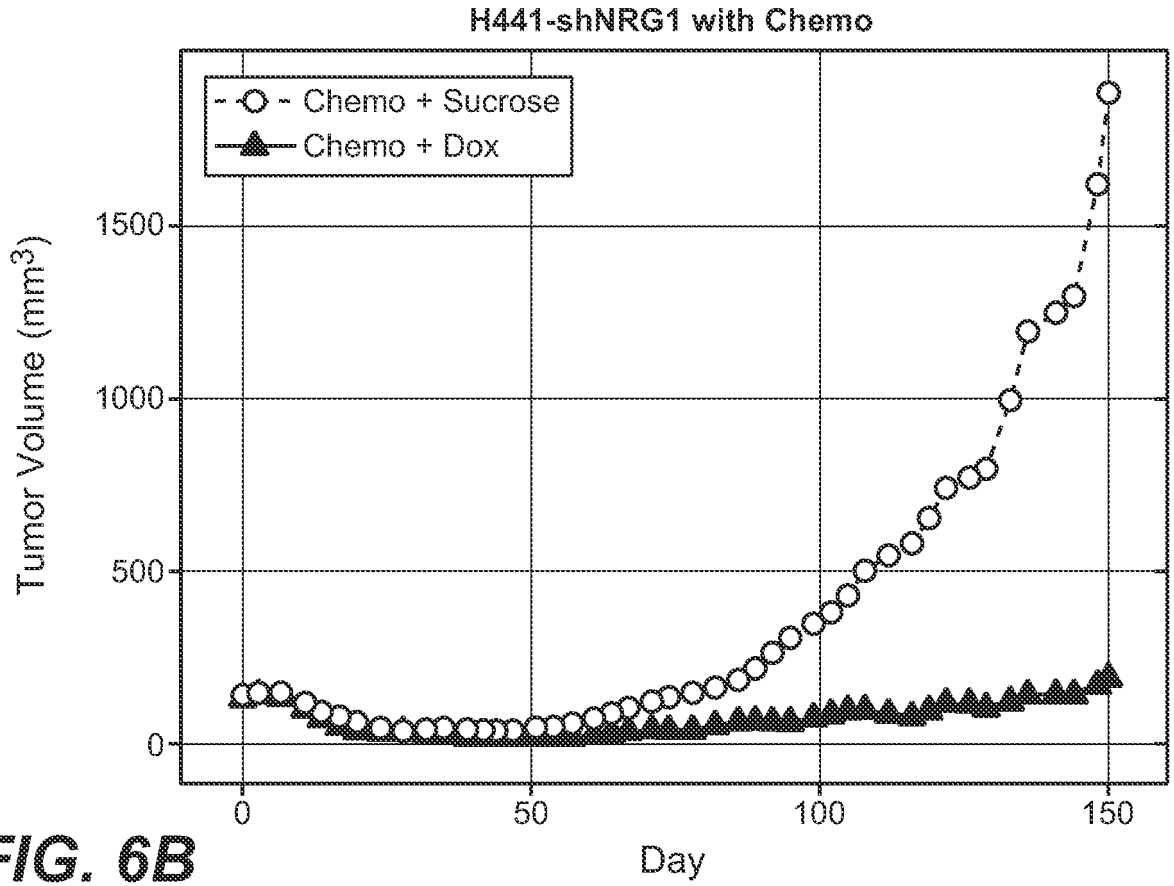

H441-shNRG1 with Chemo
Chemo + Sucrose
Chemo + Dox
Tumor Volume (mm3)
1500
1000
500
0
0
50
100
150
Day

FIG. 6B

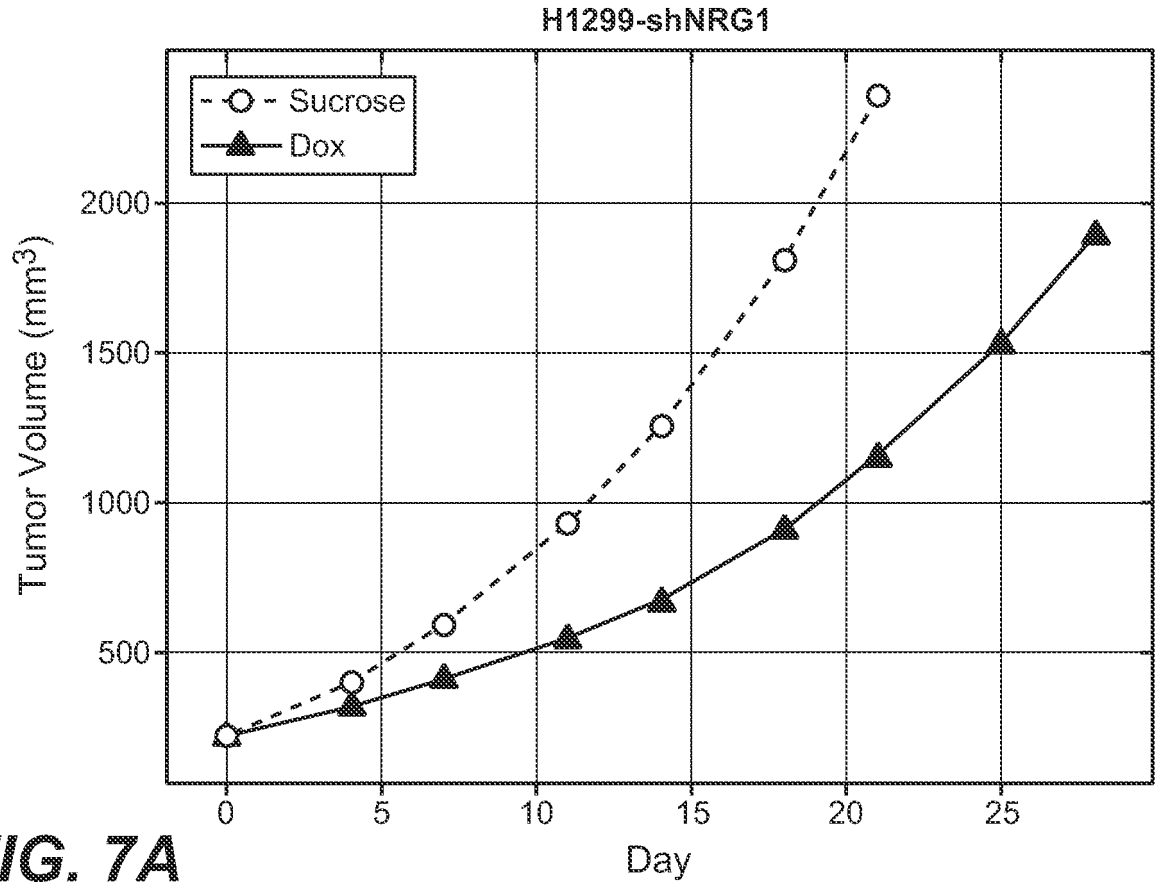

H1299-shNRG1
Sucrose
Dox
Tumor Volume (mm3)
2000
1500
1000
500
0
5
10
15
20
25
Day

FIG. 7A

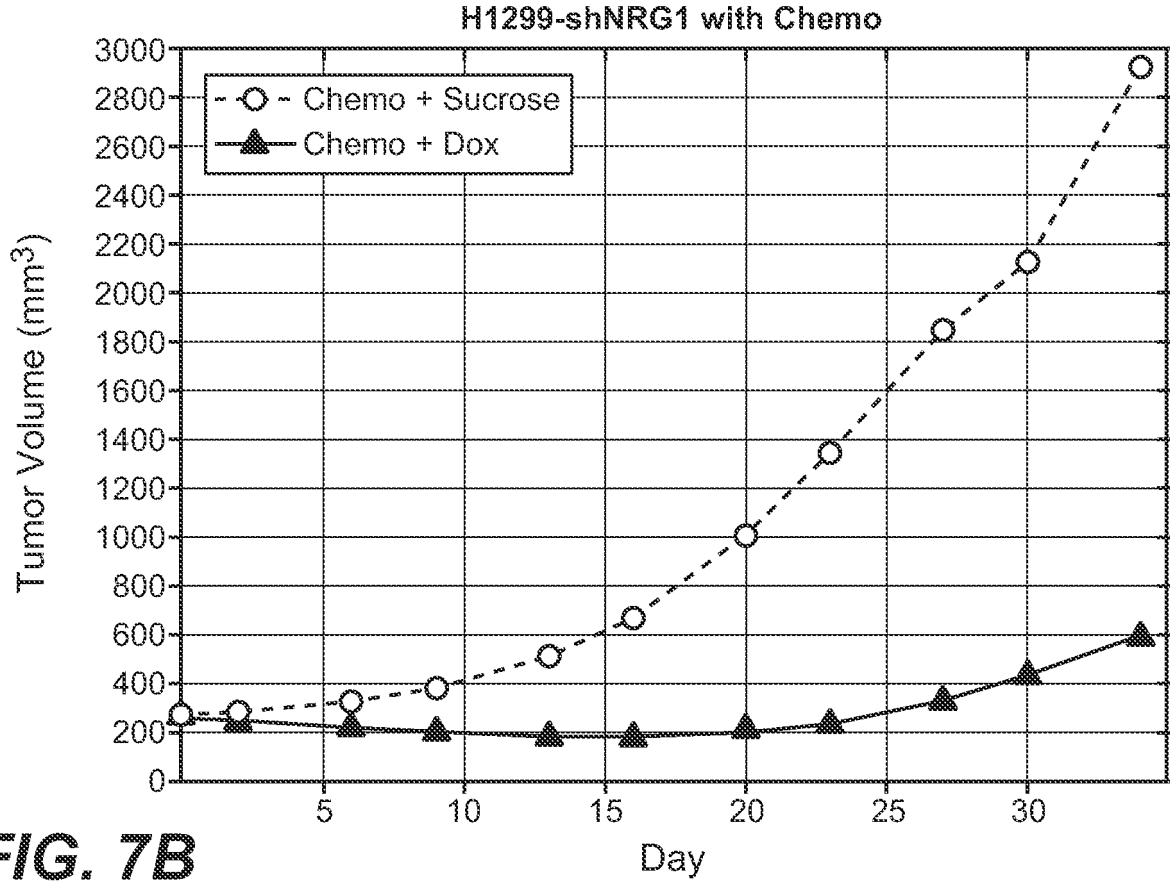

H1299-shNRG1 with Chemo
Chemo + Sucrose
Chemo + Dox
Tumor Volume (mm3)
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
5
10
15
20
25
30
Day

FIG. 7B

FIG. 8A

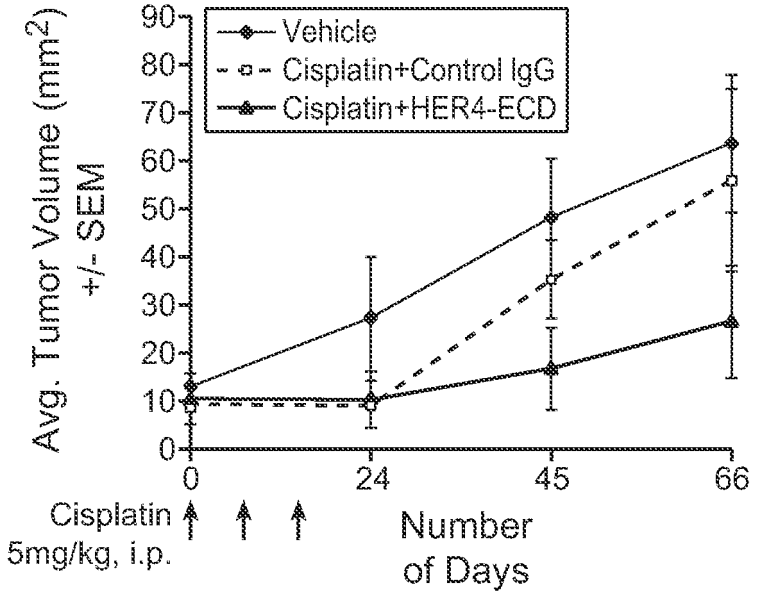


FIG. 8B

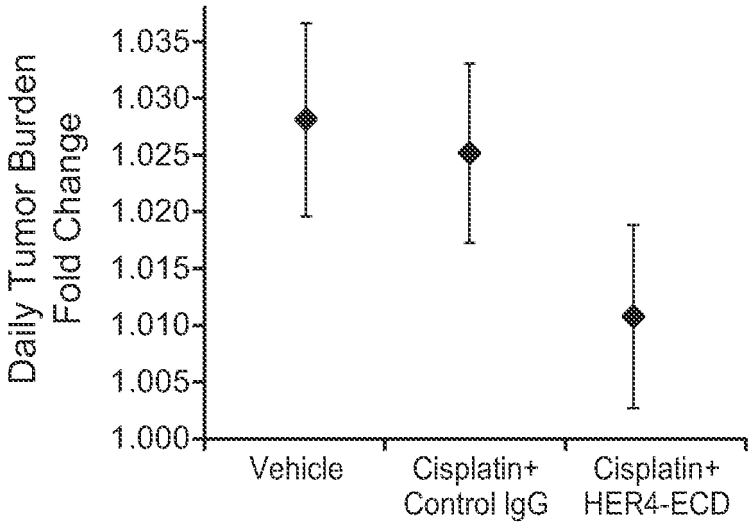


FIG. 8C

