FIG. 1

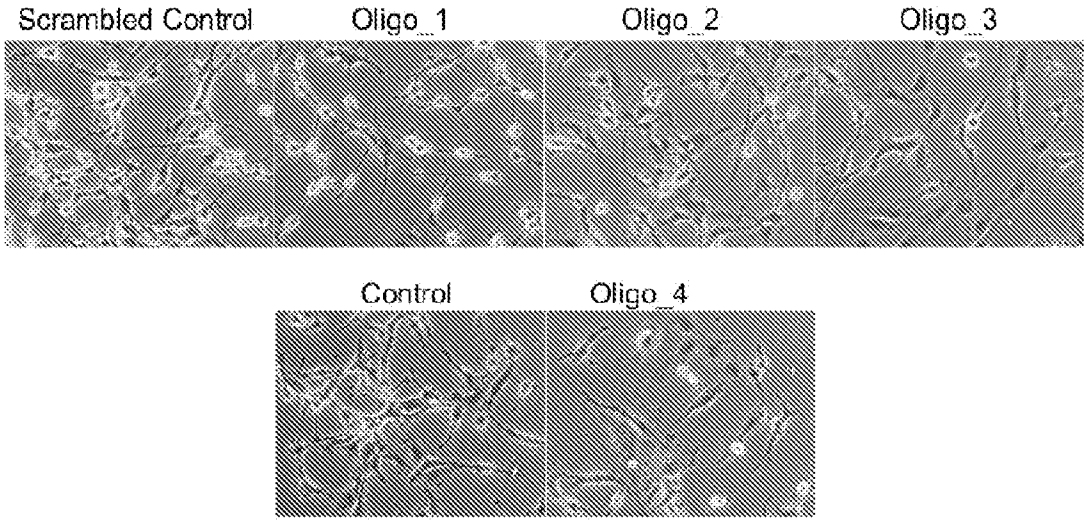
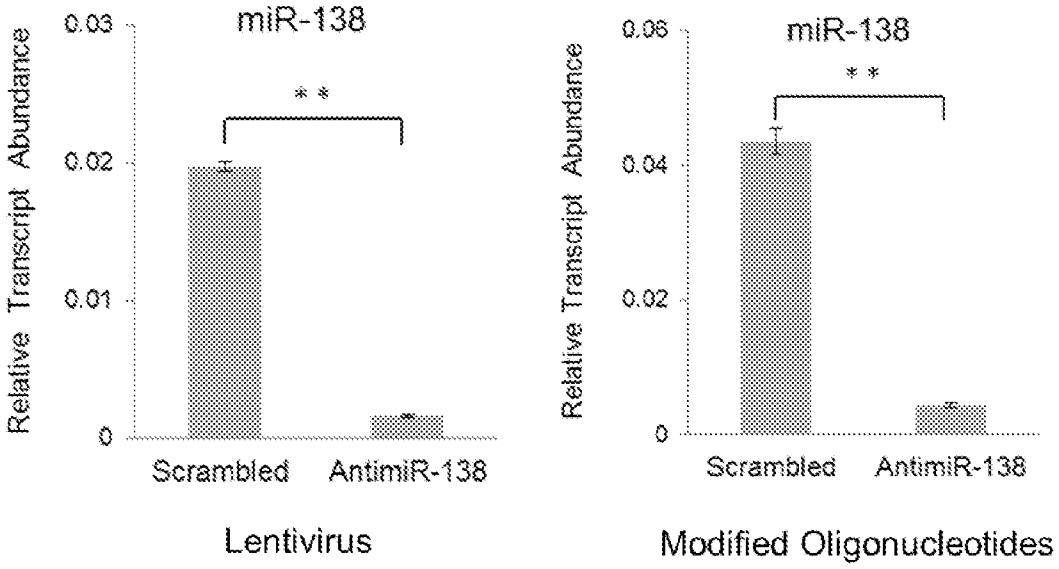

Scrambled Control
Oligo_1
Oligo_2
Oligo_3
Control
Oligo_4

FIG. 2


miR-138
Relative Transcript Abundance
0.03
0.02
0.01
0
**
Scrambled
AntimiR-138
Lentivirus
miR-138
Relative Transcript Abundance
0.06
0.04
0.02
0
**
Scrambled
AntimiR-138
Modified Oligonucleotides

5

Fig. 3

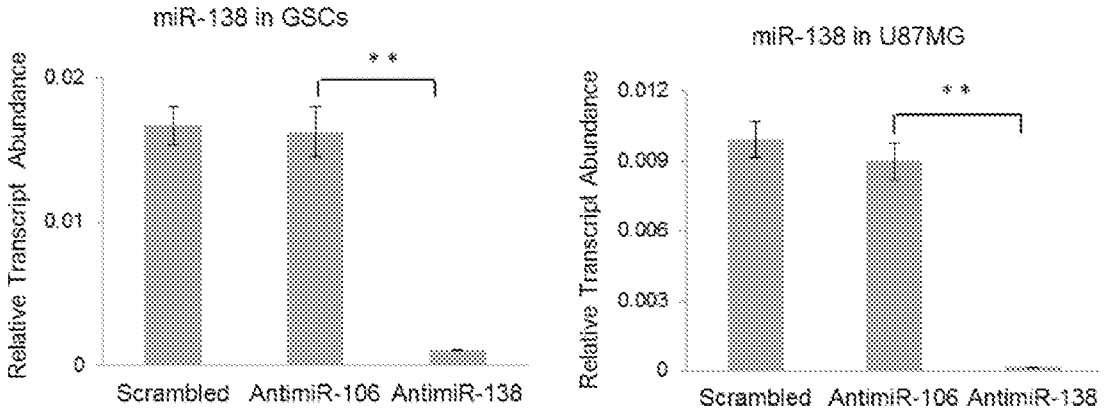
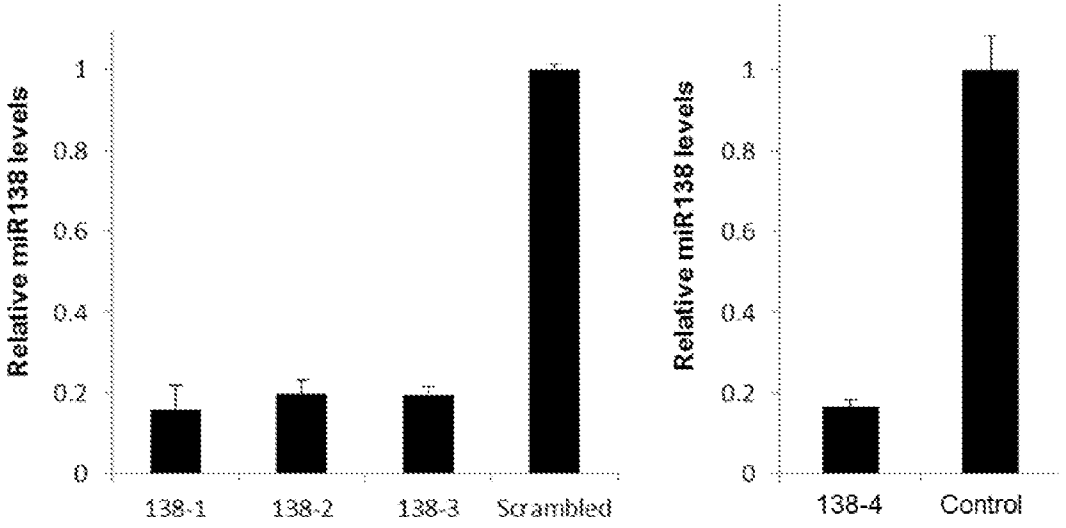

miR-138 in GSCs
Relative Transcript Abundance
0.02
0.01
0
**
Scrambled
AntimiR-106
AntimiR-138
miR-138 in U87MG
Relative Transcript Abundance
0.012
0.009
0.006
0.003
0
**
Scrambled
AntimiR-106
AntimiR-138

Fig. 4


Relative miR138 levels
1
0.8
0.6
0.4
0.2
0
138-1
138-2
138-3
Scrambled
Relative miR138 levels
1
0.8
0.6
0.4
0.2
0
138-4
Control

5

FIG. 5

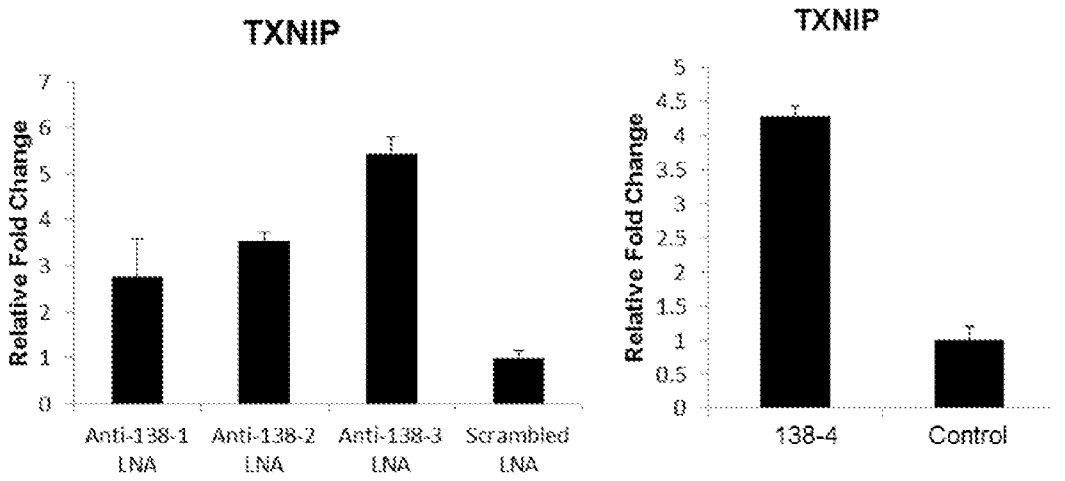
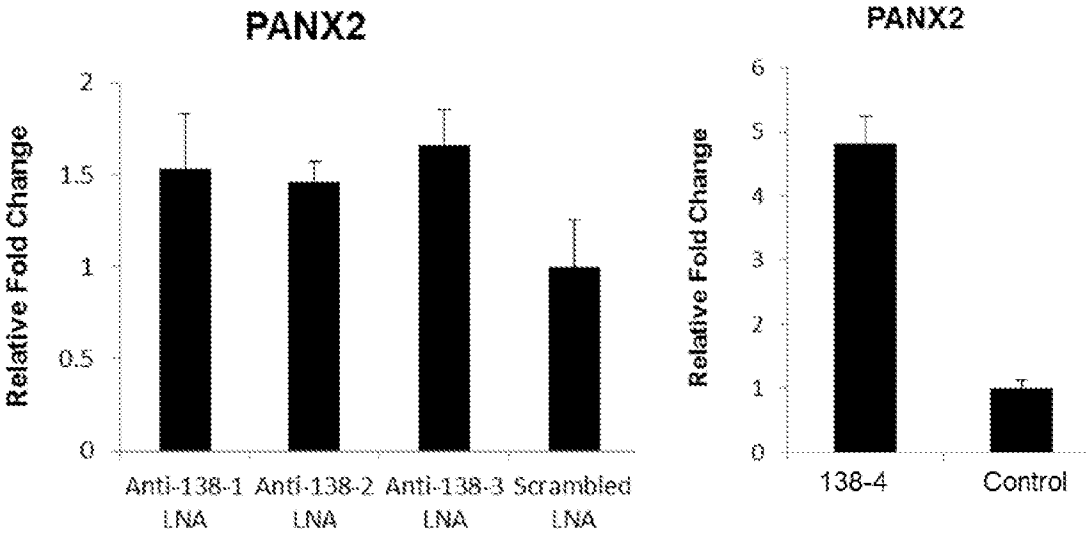

TXNIP
Relative Fold Change
0
1
2
3
4
5
6
7
Anti-138-1 LNA
Anti-138-2 LNA
Anti-138-3 LNA
Scrambled LNA
TXNIP
Relative Fold Change
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
138-4
Control

Fig. 6


PANX2
Relative Fold Change
0
0.5
1
1.5
2
Anti-138-1 LNA
Anti-138-2 LNA
Anti-138-3 LNA
Scrambled LNA
PANX2
Relative Fold Change
0
1
2
3
4
5
6
138-4
Control

5

Fig. 7

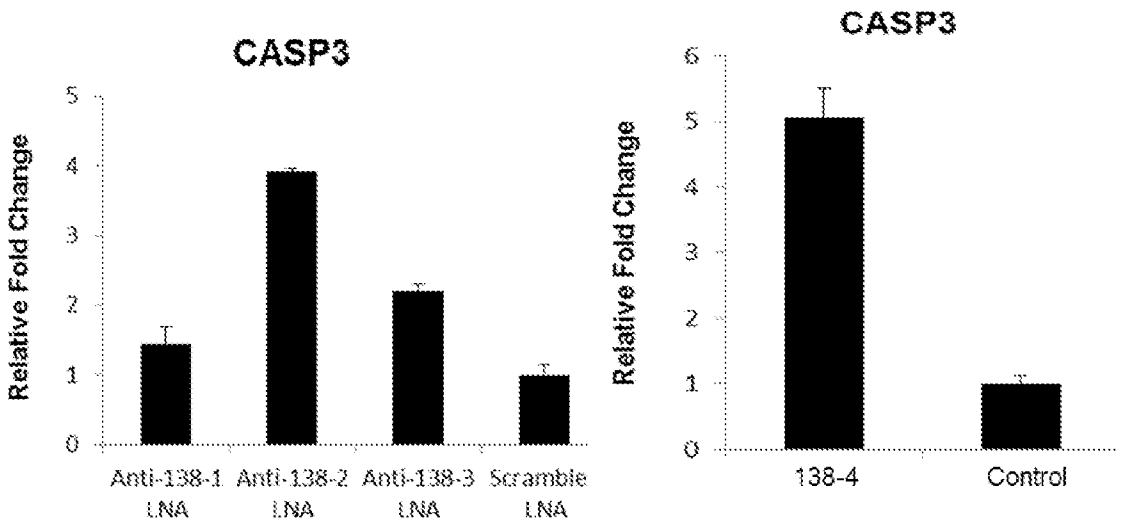

CASP3
Relative Fold Change
0
1
2
3
4
5
Anti-138-1 LNA
Anti-138-2 LNA
Anti-138-3 LNA
Scramble LNA
CASP3
Relative Fold Change
0
1
2
3
4
5
6
138-4
Control

Fig. 8

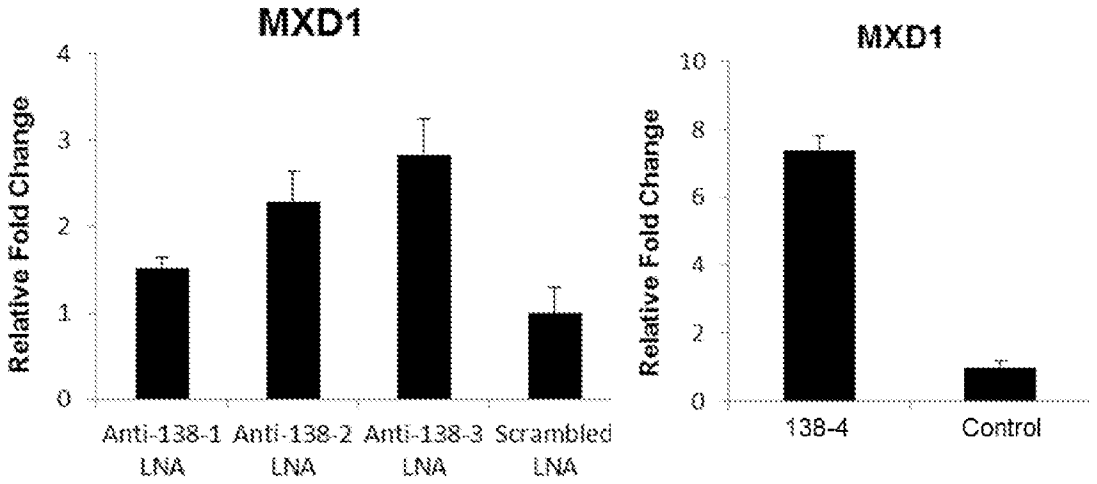

MXD1
Relative Fold Change
0
1
2
3
4
Anti-138-1 LNA
Anti-138-2 LNA
Anti-138-3 LNA
Scrambled LNA
MXD1
Relative Fold Change
0
2
4
6
8
10
138-4
Control

Fig. 9

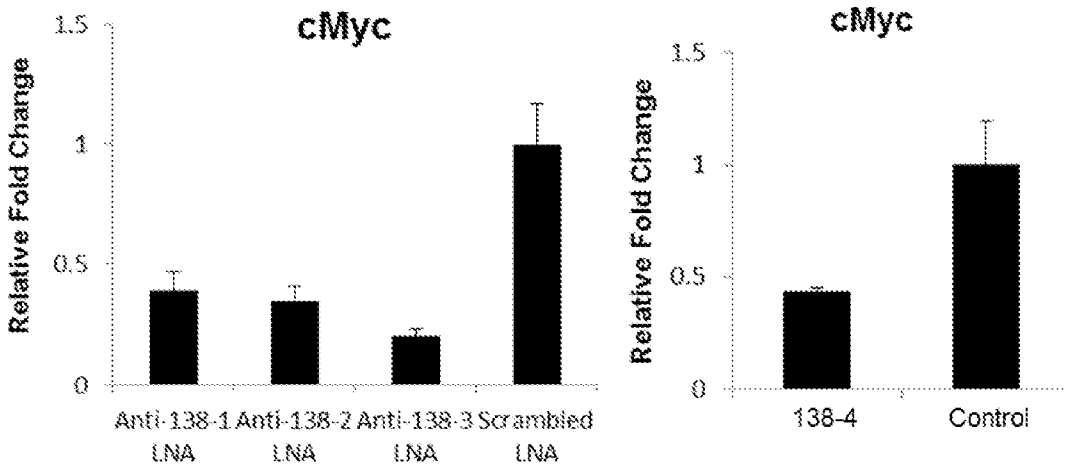
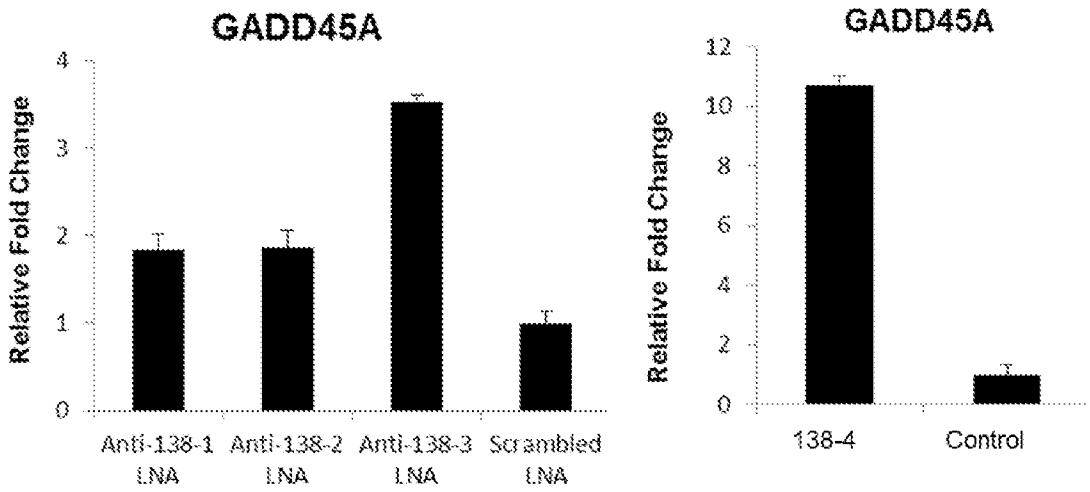

cMyc
Relative Fold Change
1.5
1
0.5
0
Anti-138-1 LNA
Anti-138-2 LNA
Anti-138-3 LNA
Scrambled LNA
cMyc
Relative Fold Change
1.5
1
0.5
0
138-4
Control

Fig. 10


GADD45A
Relative Fold Change
4
3
2
1
0
Anti-138-1 LNA
Anti-138-2 LNA
Anti-138-3 LNA
Scrambled LNA
GADD45A
Relative Fold Change
12
10
8
6
4
2
0
138-4
Control

5

Fig. 11

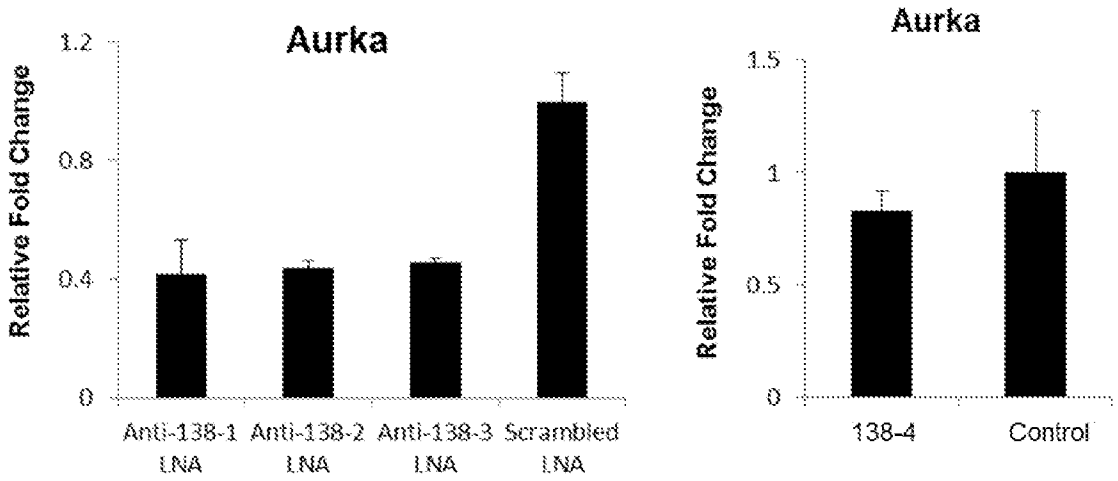
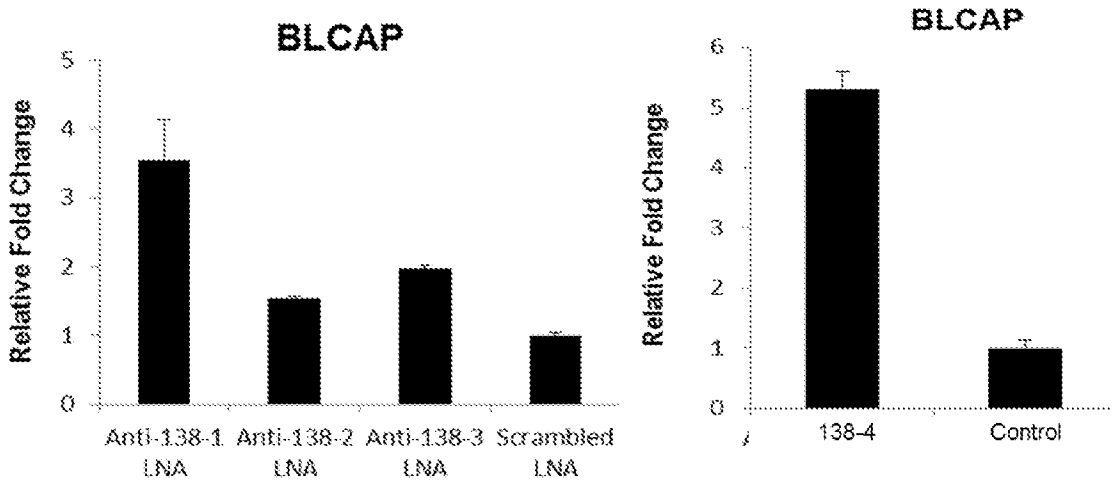


Fig. 12



5

Fig. 13

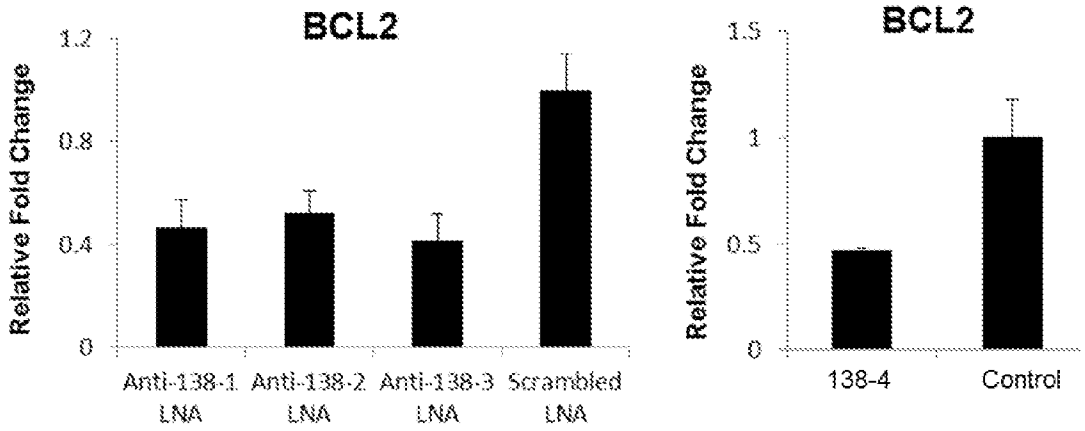
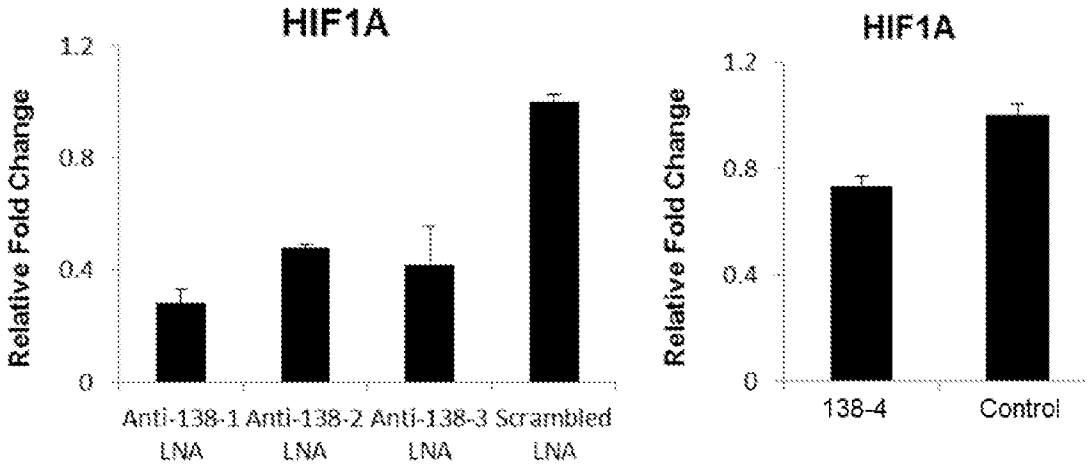


Fig. 14



5

Fig. 15

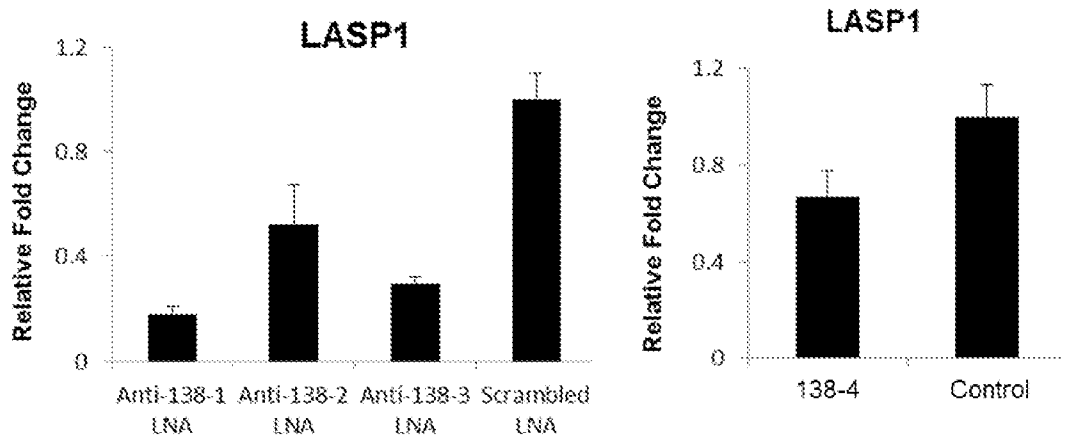
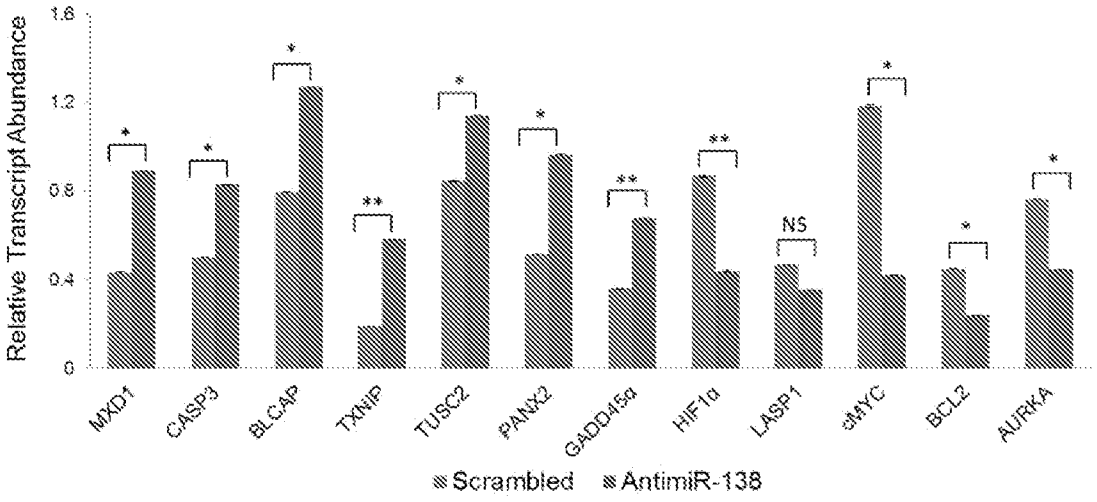


Fig. 16



* $P < 0.05$ ** $P < 0.001$

5

Fig. 17

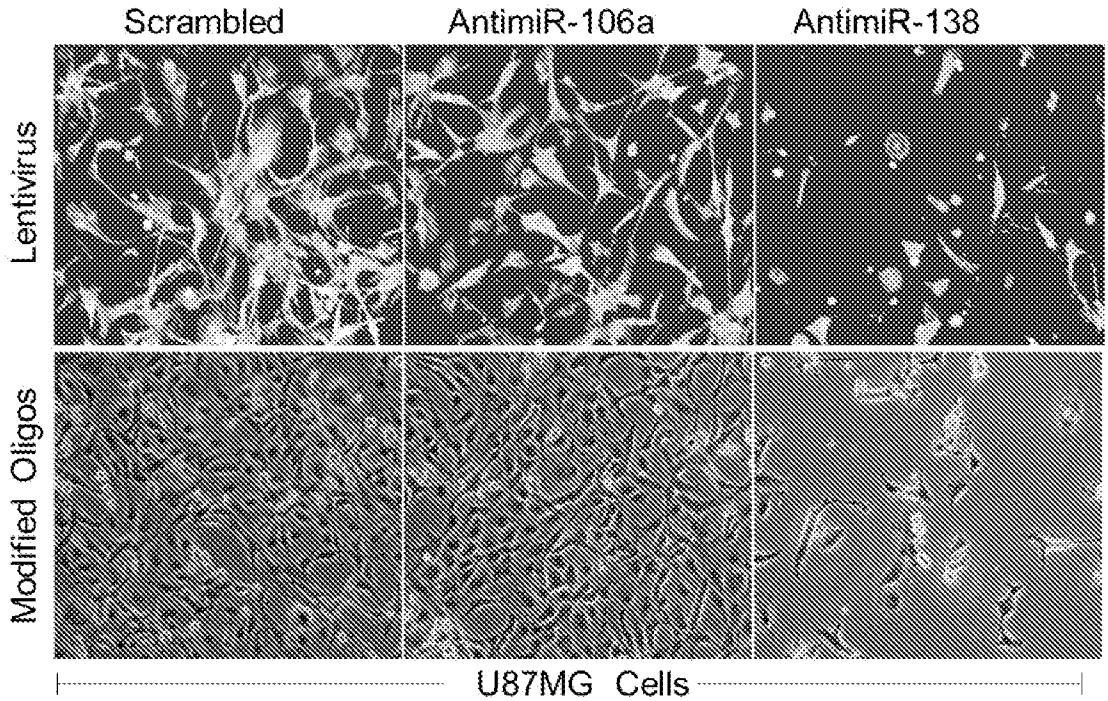
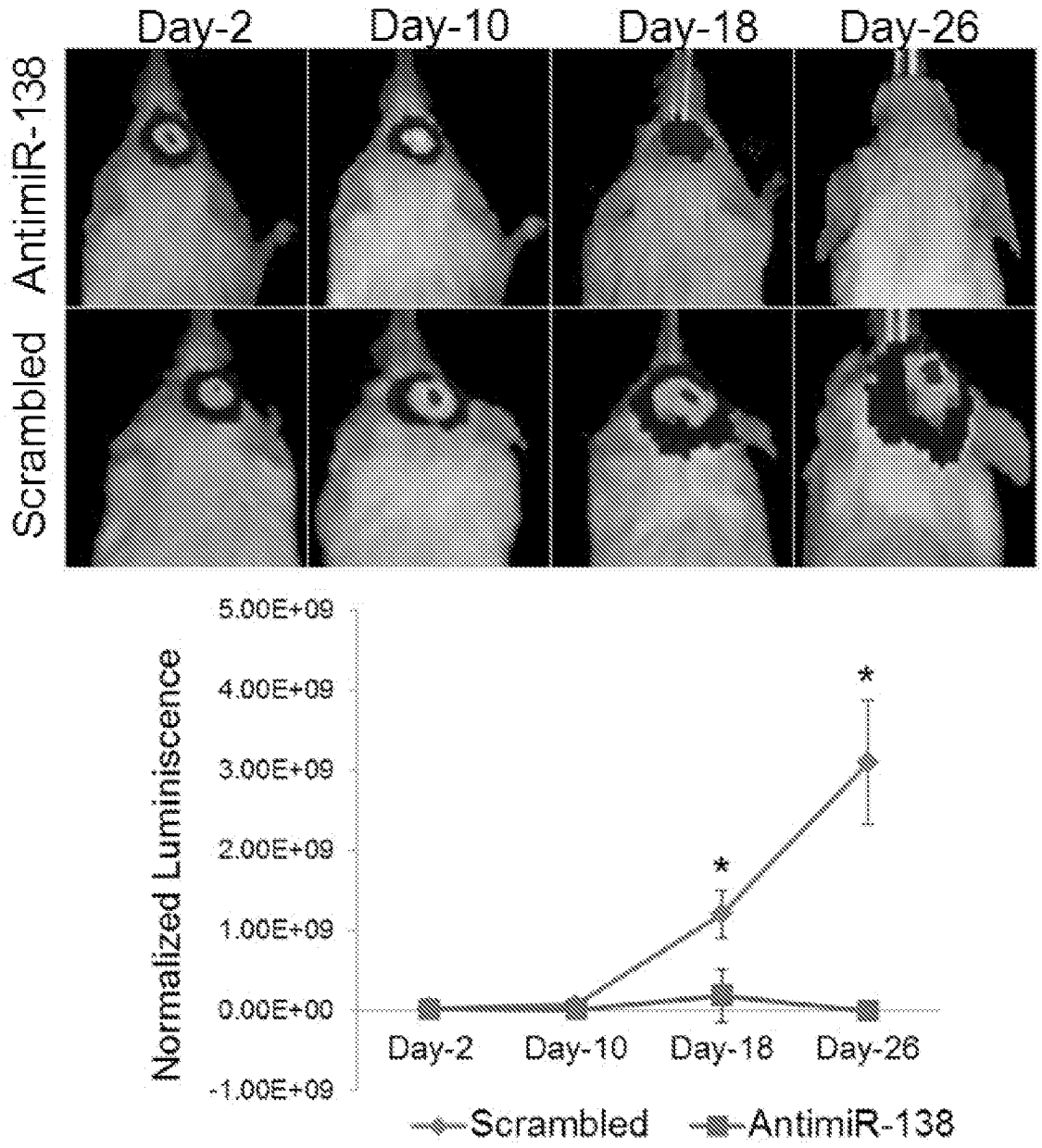

Scrambled
AntimiR-106a
AntimiR-138
Lentivirus
Modified Oligos
U87MG Cells

Fig. 18


Day-2
Day-10
Day-18
Day-26
AntimiR-138
Scrambled
Normalized Luminiscence
5.00E+09
4.00E+09
3.00E+09
2.00E+09
1.00E+09
0.00E+00
-1.00E+09
*
*
Day-2
Day-10
Day-18
Day-26
Scrambled
AntimiR-138

5

Fig. 19

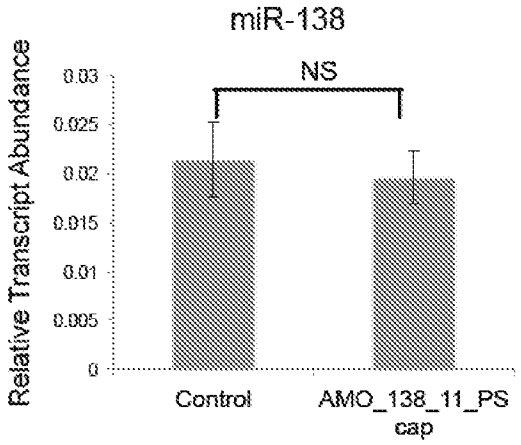
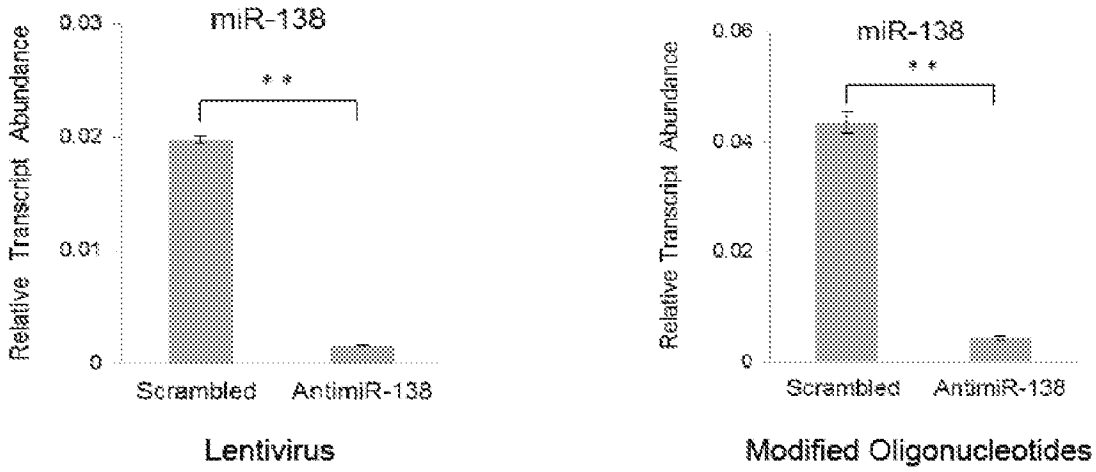
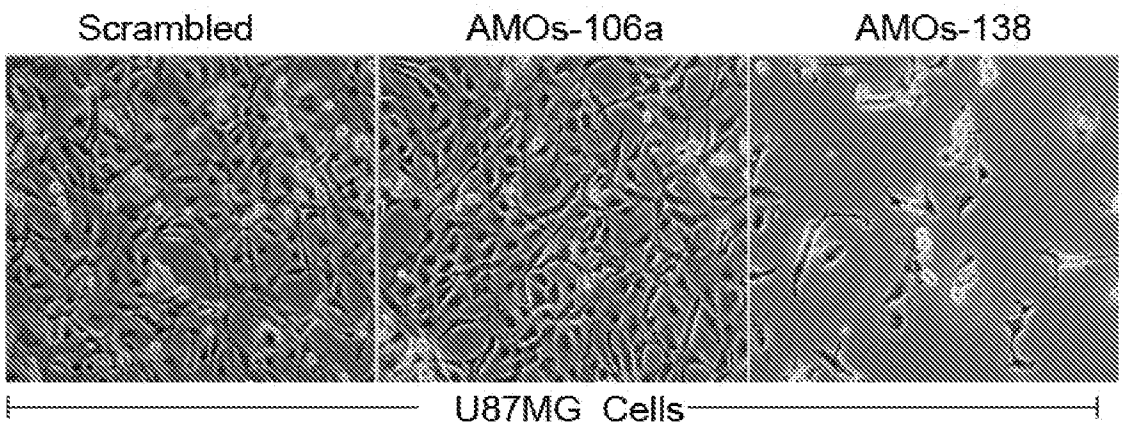

miR-138
NS
Relative Transcript Abundance
0.03
0.025
0.02
0.015
0.01
0.005
0
Control
AMO_138_11_PS cap

Fig. 20

A)


miR-138
Relative Transcript Abundance
0.03
0.02
0.01
0
* *
Scrambled
AntimiR-138
Lentivirus
miR-138
Relative Transcript Abundance
0.06
0.04
0.02
0
* *
Scrambled
AntimiR-138
Modified Oligonucleotides

B)


Scrambled
AMOs-106a
AMOs-138
U87MG Cells

C)

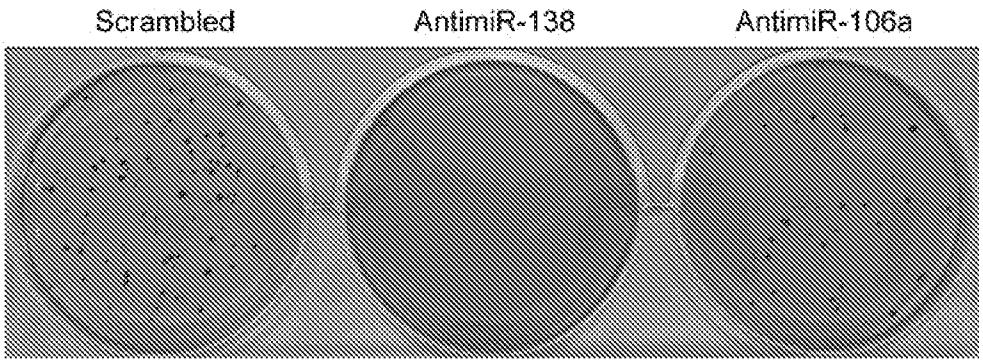
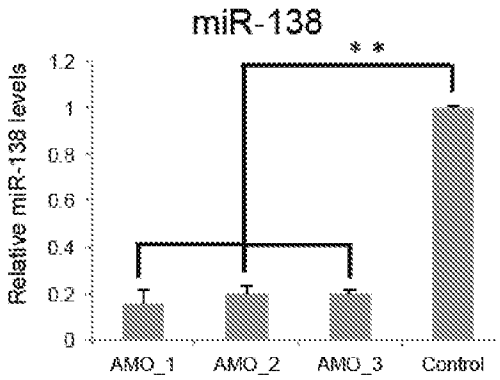
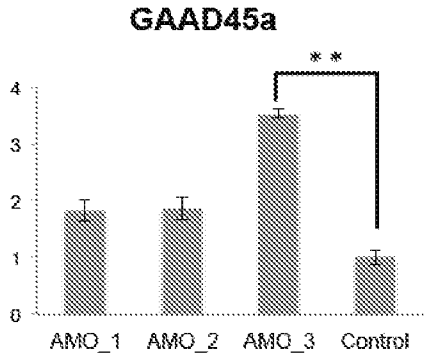

Scrambled
AntimiR-138
AntimiR-106a

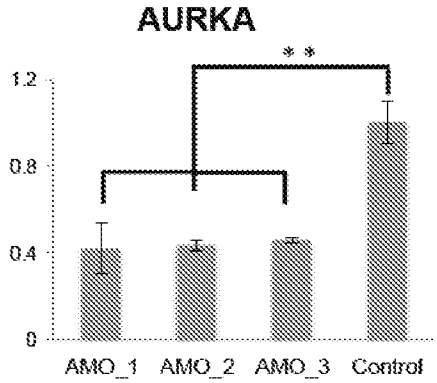
Fig. 21

A)


miR-138
* *
Relative miR-138 levels
1.2
1
0.8
0.6
0.4
0.2
0
AMO_1
AMO_2
AMO_3
Control

B)


GAAD45a
* *
4
3
2
1
0
AMO_1
AMO_2
AMO_3
Control


AURKA
* *
1.2
0.8
0.4
0
AMO_1
AMO_2
AMO_3
Control

C)

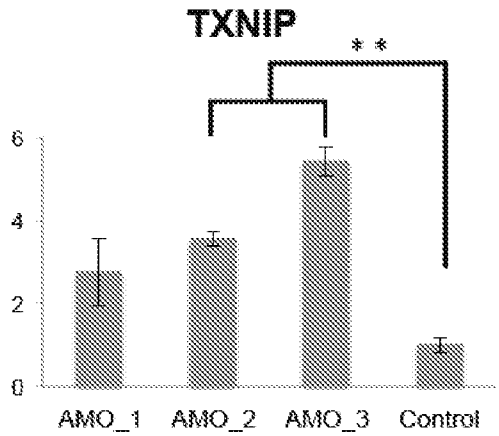
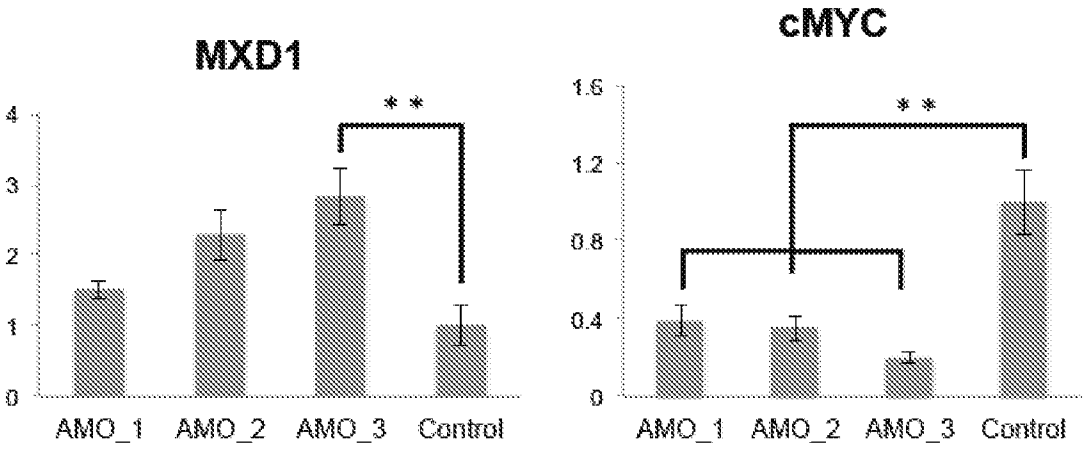

TXNIP
* *
6
4
2
0
AMO_1
AMO_2
AMO_3
Control

Fig. 22

A)


MXD1
* *
4
3
2
1
0
AMO_1
AMO_2
AMO_3
Control
cMYC
* *
1.6
1.2
0.8
0.4
0
AMO_1
AMO_2
AMO_3
Control

B)

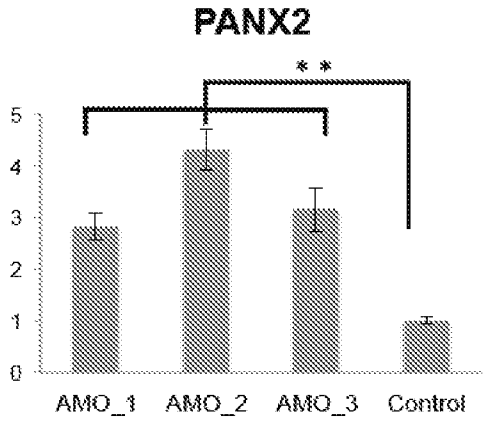

PANX2
* *
5
4
3
2
1
0
AMO_1
AMO_2
AMO_3
Control

Fig. 23

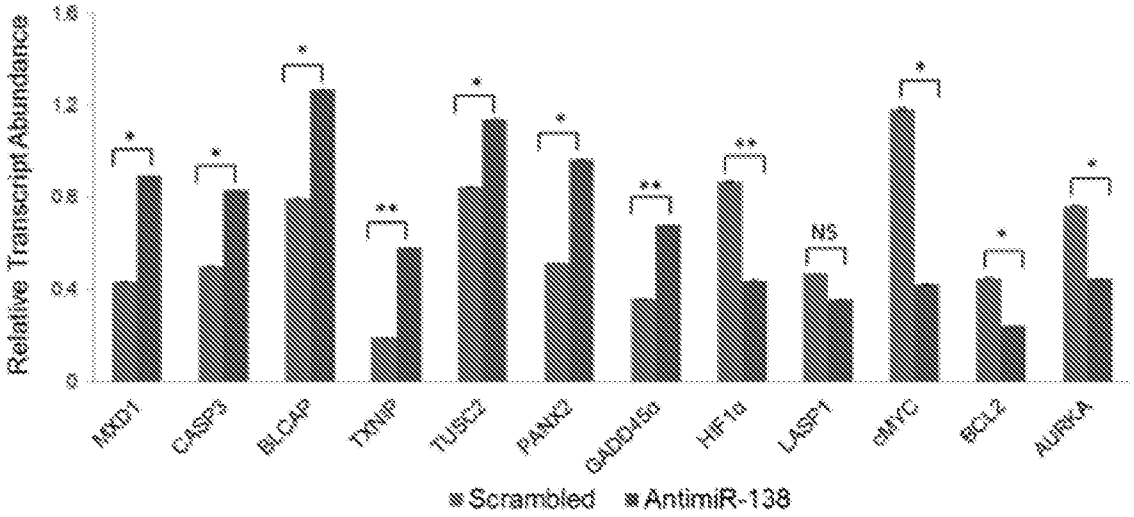
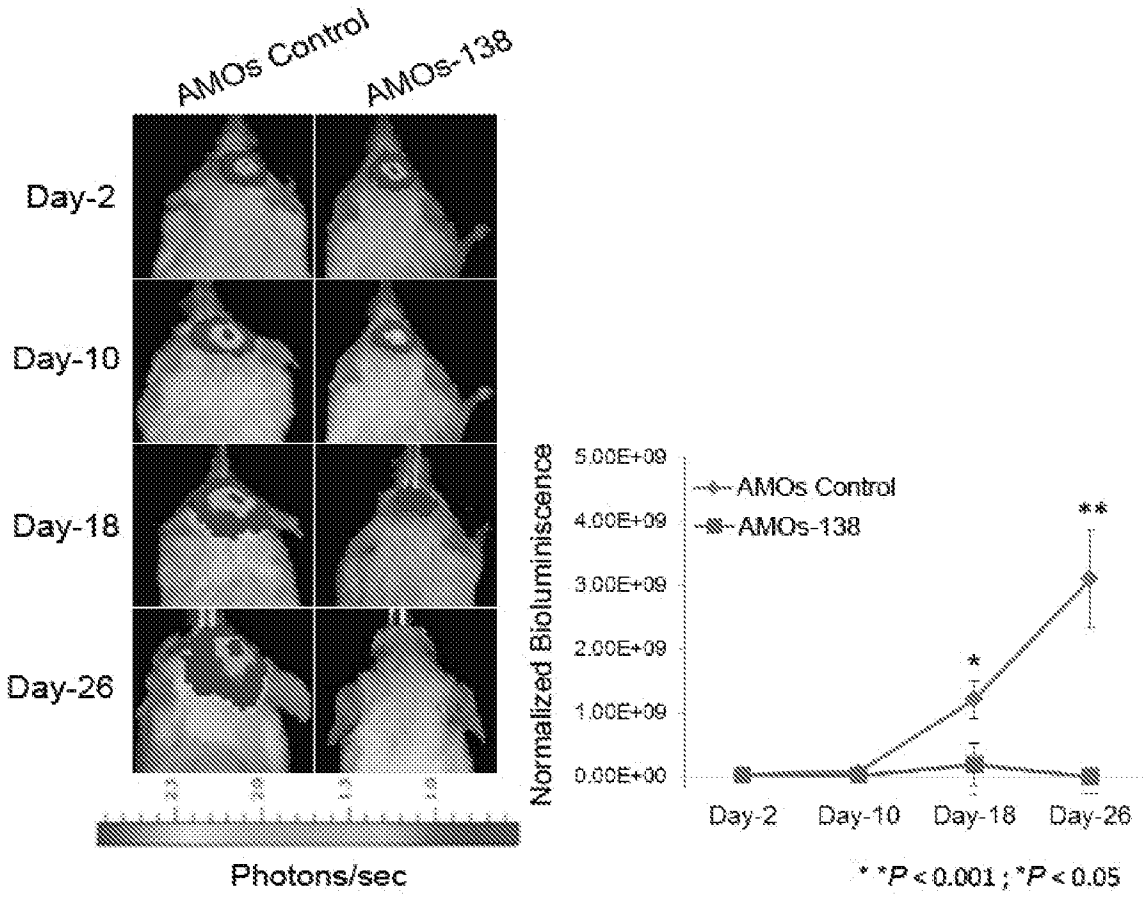

Relative Transcript Abundance
1.6
1.2
0.8
0.4
0
*
*
*
**
*
*
**
**
NS
*
*
*
NKD1
CASP3
BLCAP
TXNIP
TUSC3
PANK2
GADD45α
HIF1α
LASP1
cMYC
BCL2
AURKA
Scrambled
AntimiR-138

Fig. 24 (continued)

A)



5

Fig. 24

B)

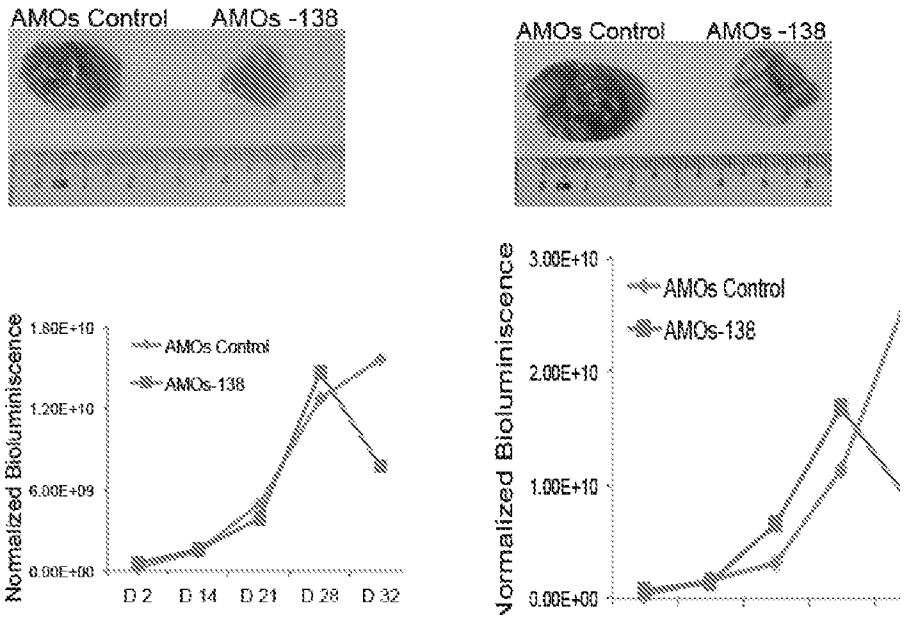


Fig. 25

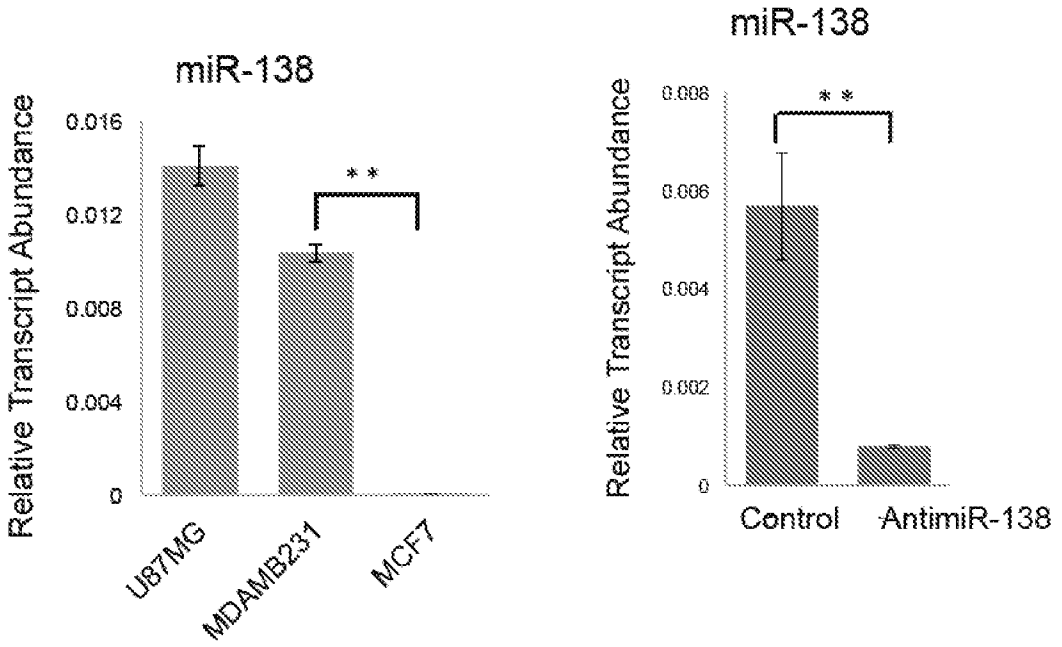


Fig. 26

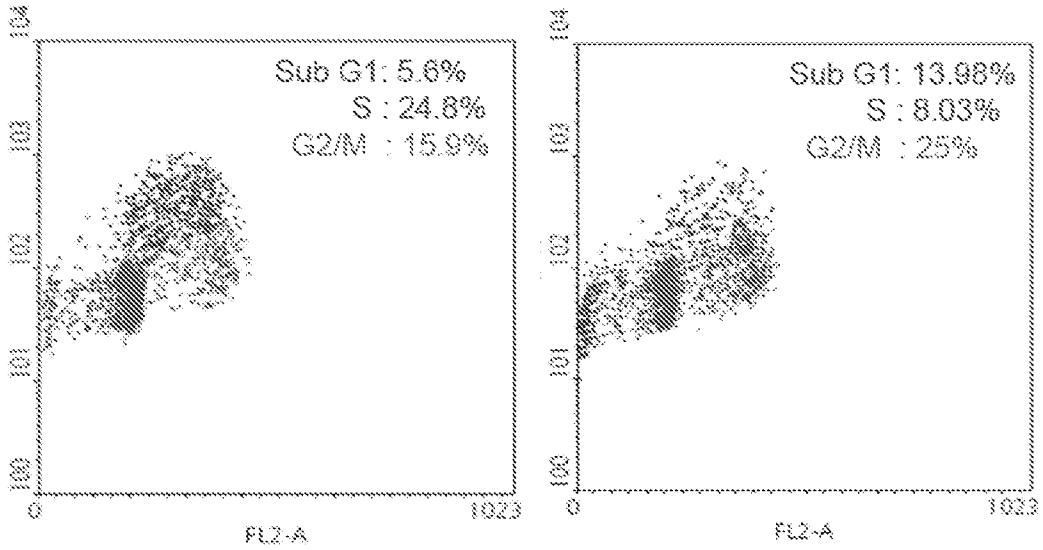


Fig. 27

