FIG. 1

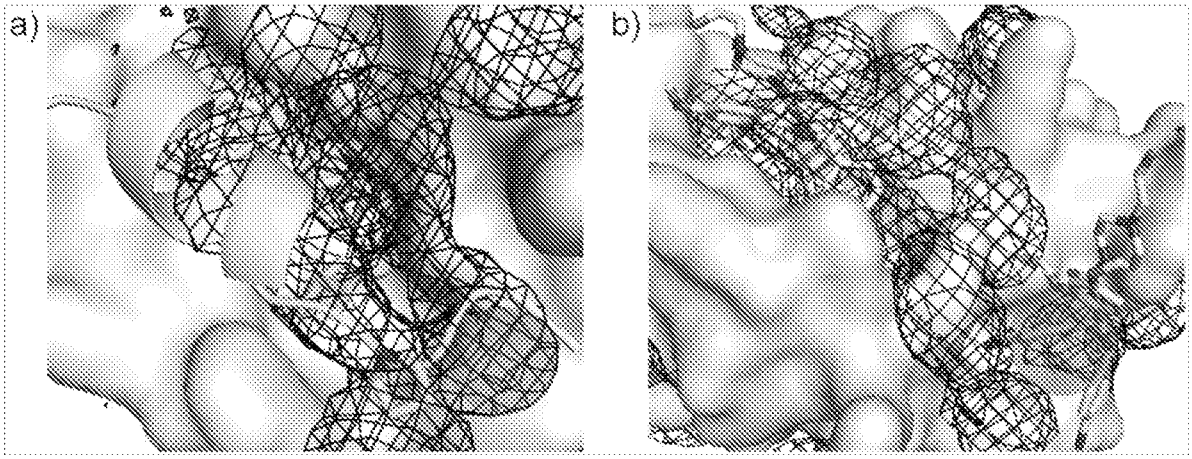


FIG. 2

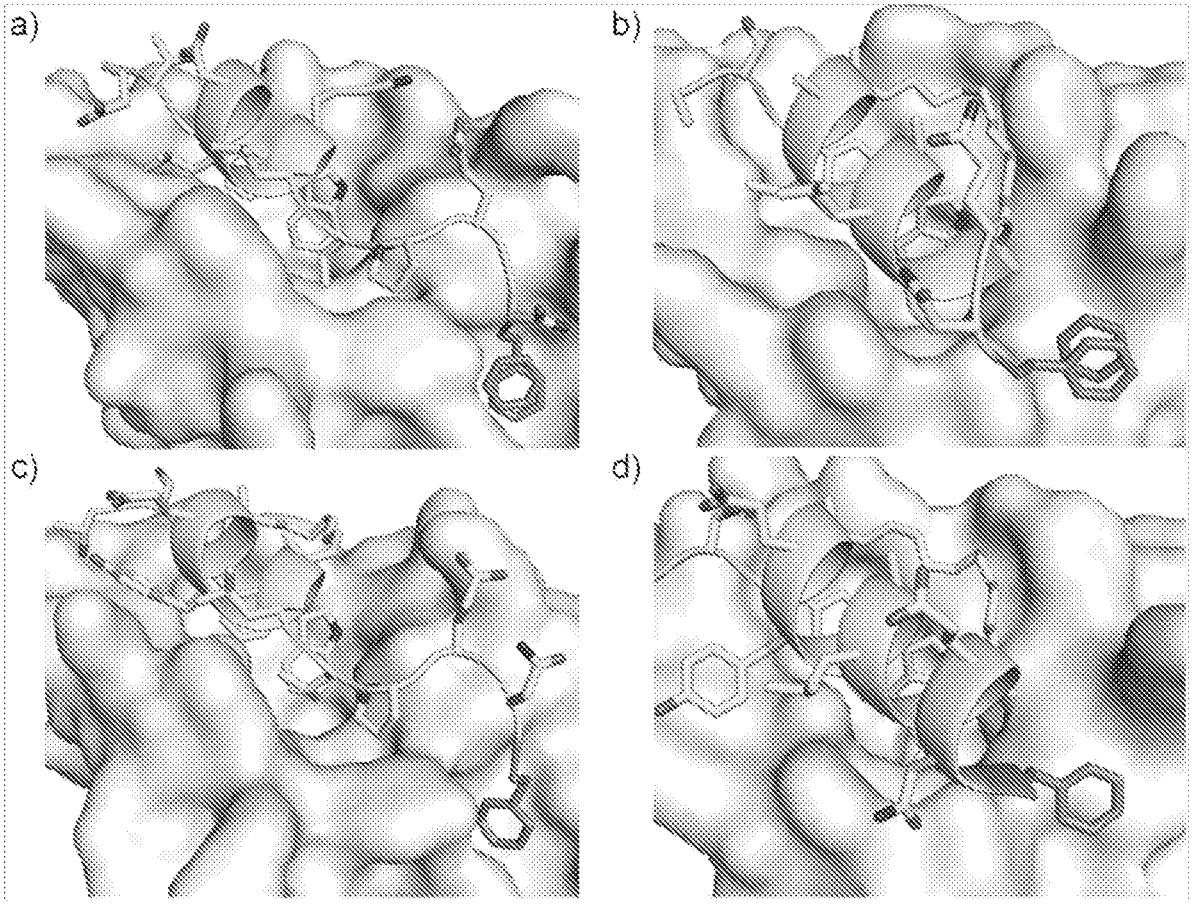


FIG. 3

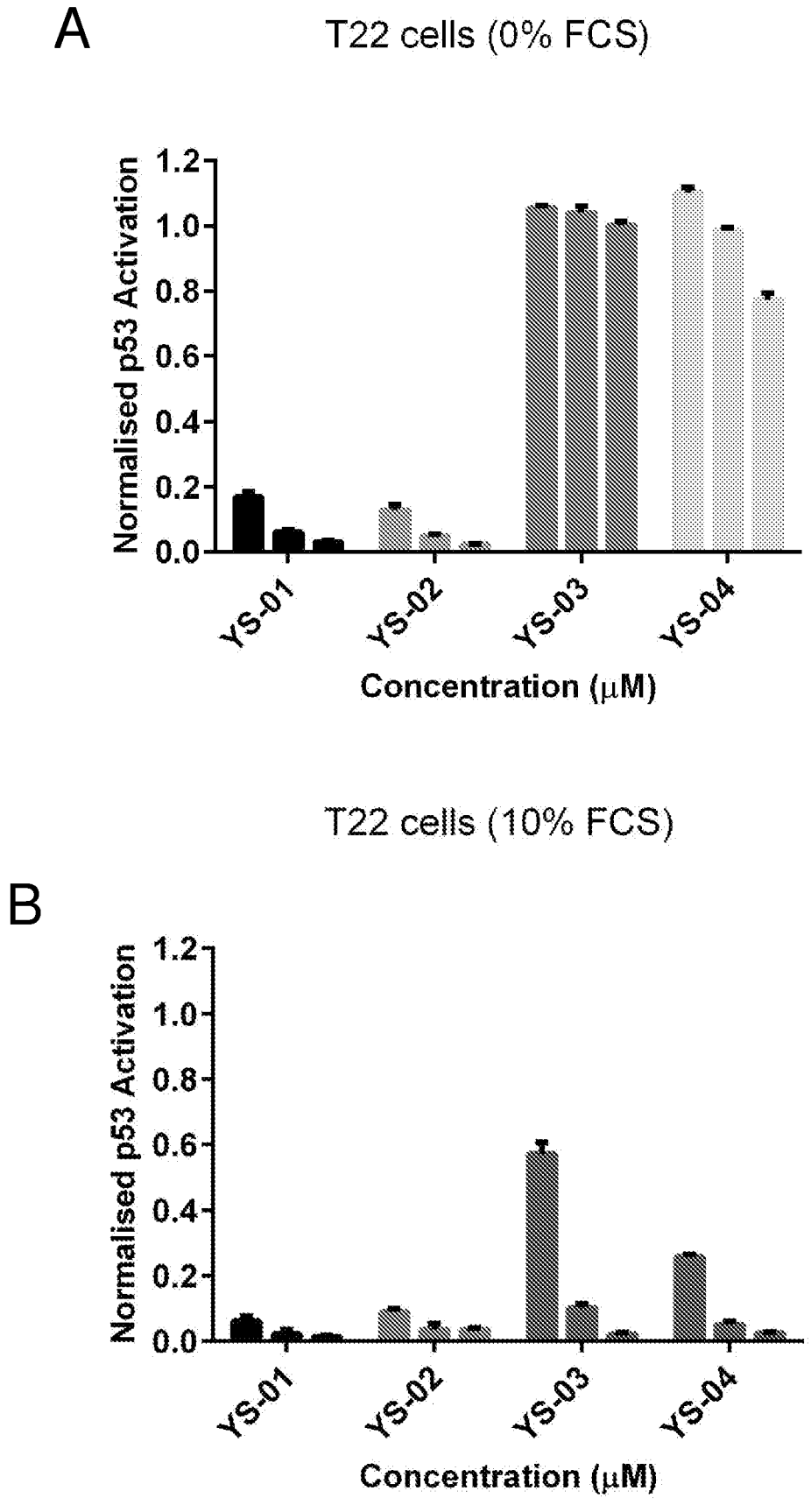
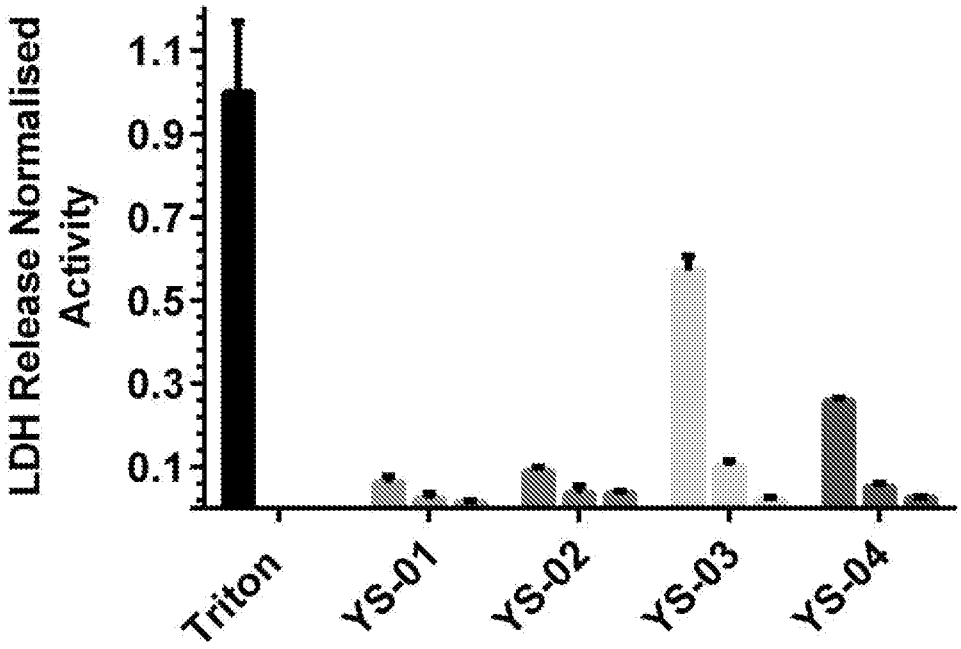

A
T22 cells (0% FCS)
Normalised p53 Activation
1.2
1.0
0.8
0.6
0.4
0.2
0.0
YS-01
YS-02
YS-03
YS-04
Concentration (μM)
T22 cells (10% FCS)
B
Normalised p53 Activation
1.2
1.0
0.8
0.6
0.4
0.2
0.0
YS-01
YS-02
YS-03
YS-04
Concentration (μM)

FIG. 3 continued

C



D

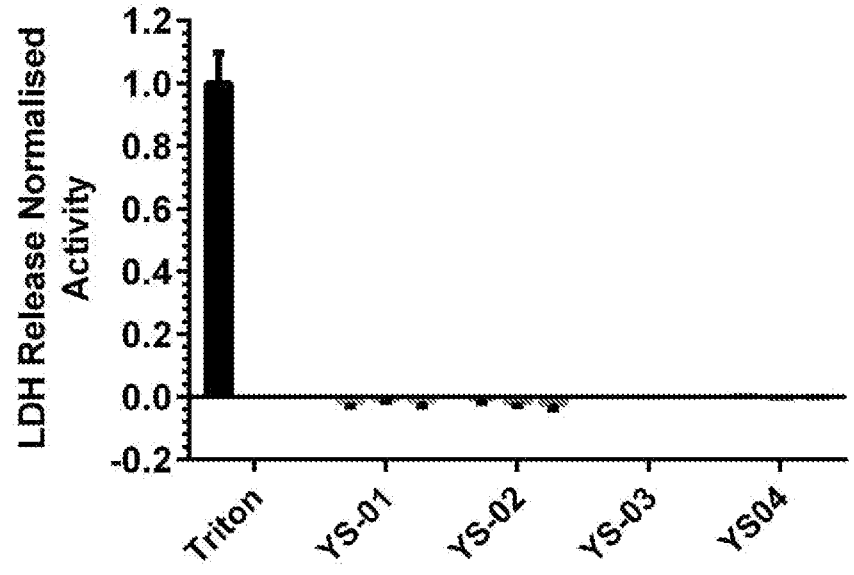


FIG. 3 continued

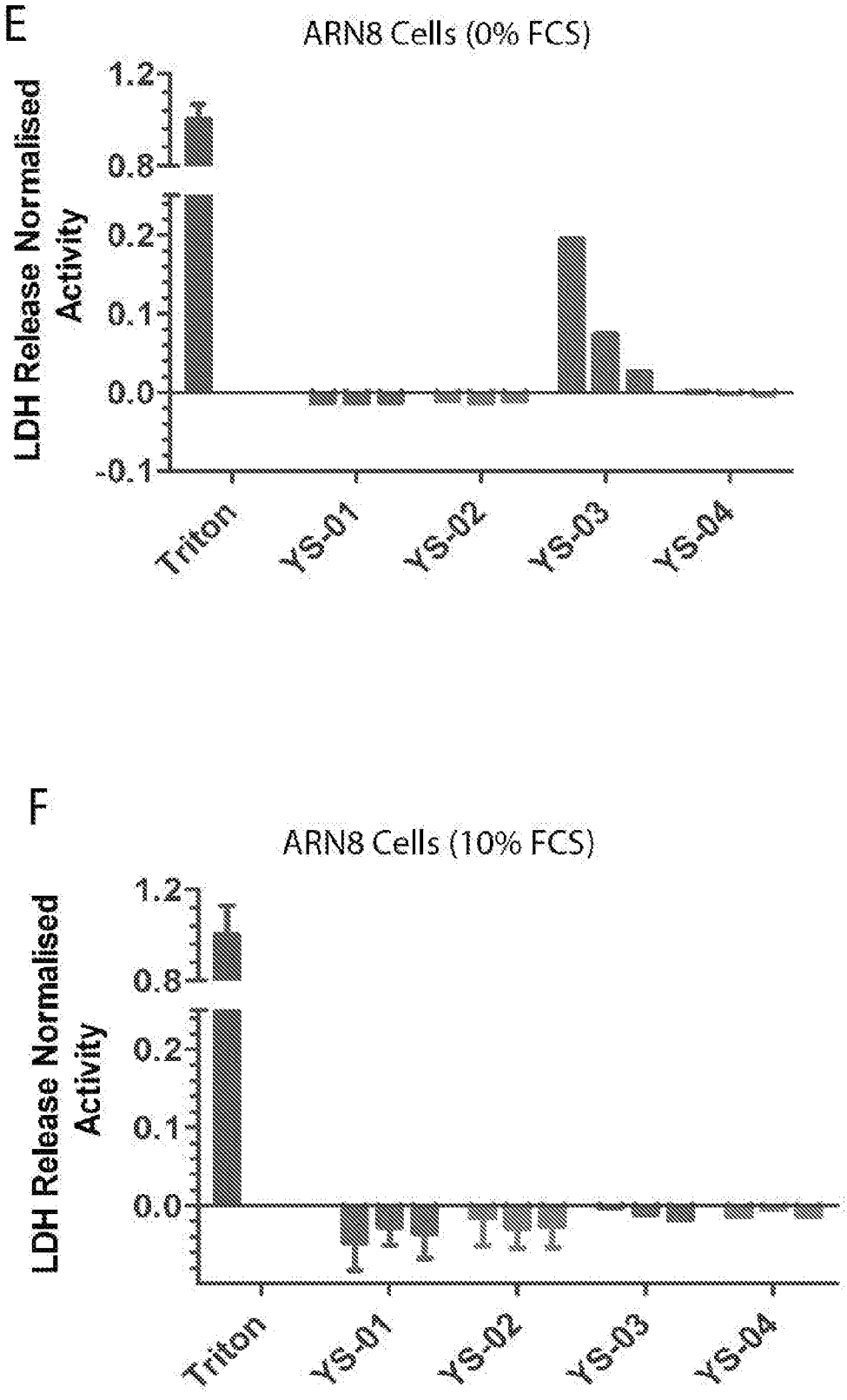


FIG. 4

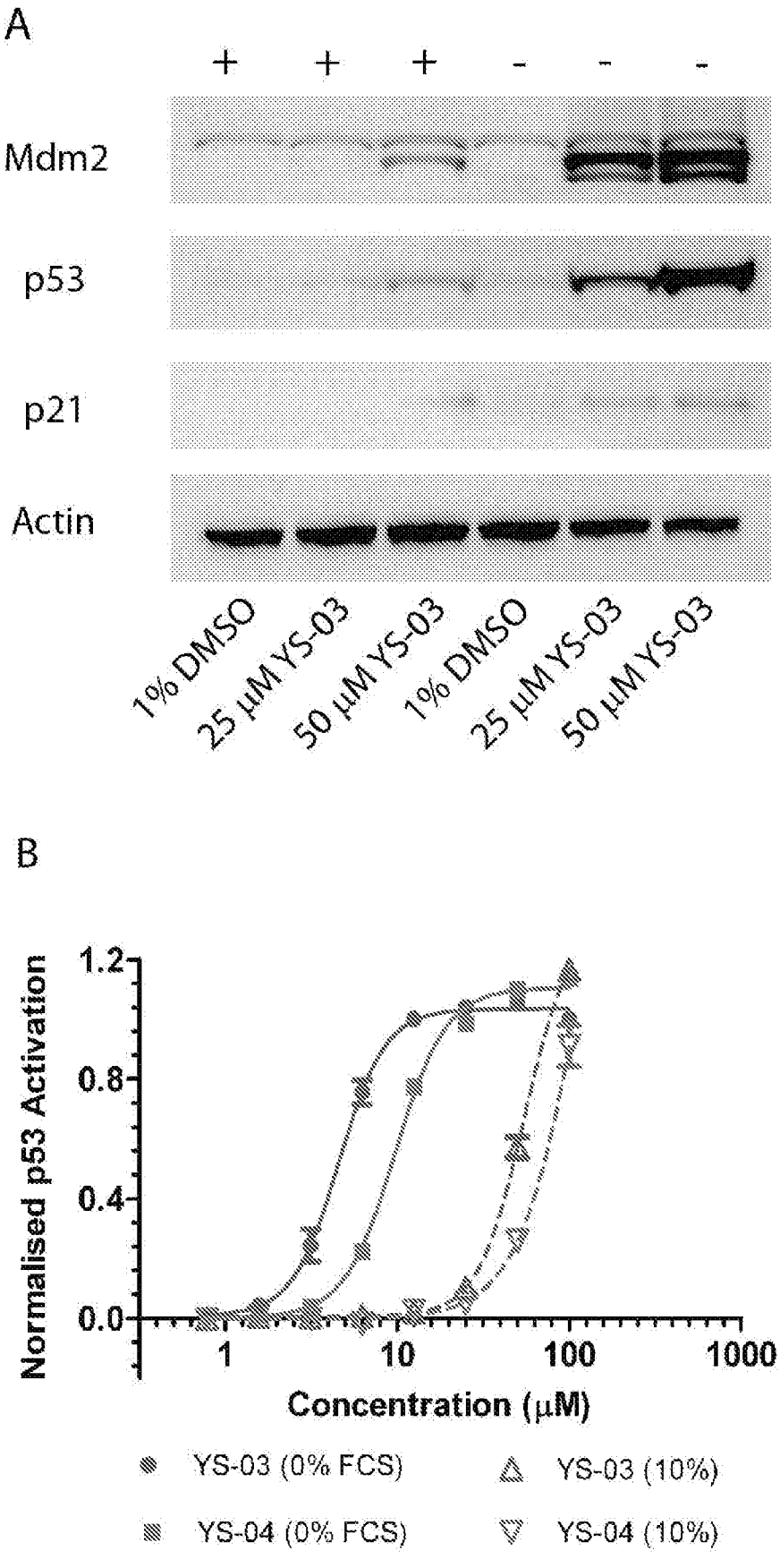

A
+ + + - - -
Mdm2
p53
p21
Actin
1% DMSO
25 μM YS-03
50 μM YS-03
1% DMSO
25 μM YS-03
50 μM YS-03
B
Normalised p53 Activation
1.2
0.8
0.4
0.0
1
10
100
1000
Concentration (μM)
YS-03 (0% FCS)
YS-03 (10%)
YS-04 (0% FCS)
YS-04 (10%)

FIG. 5

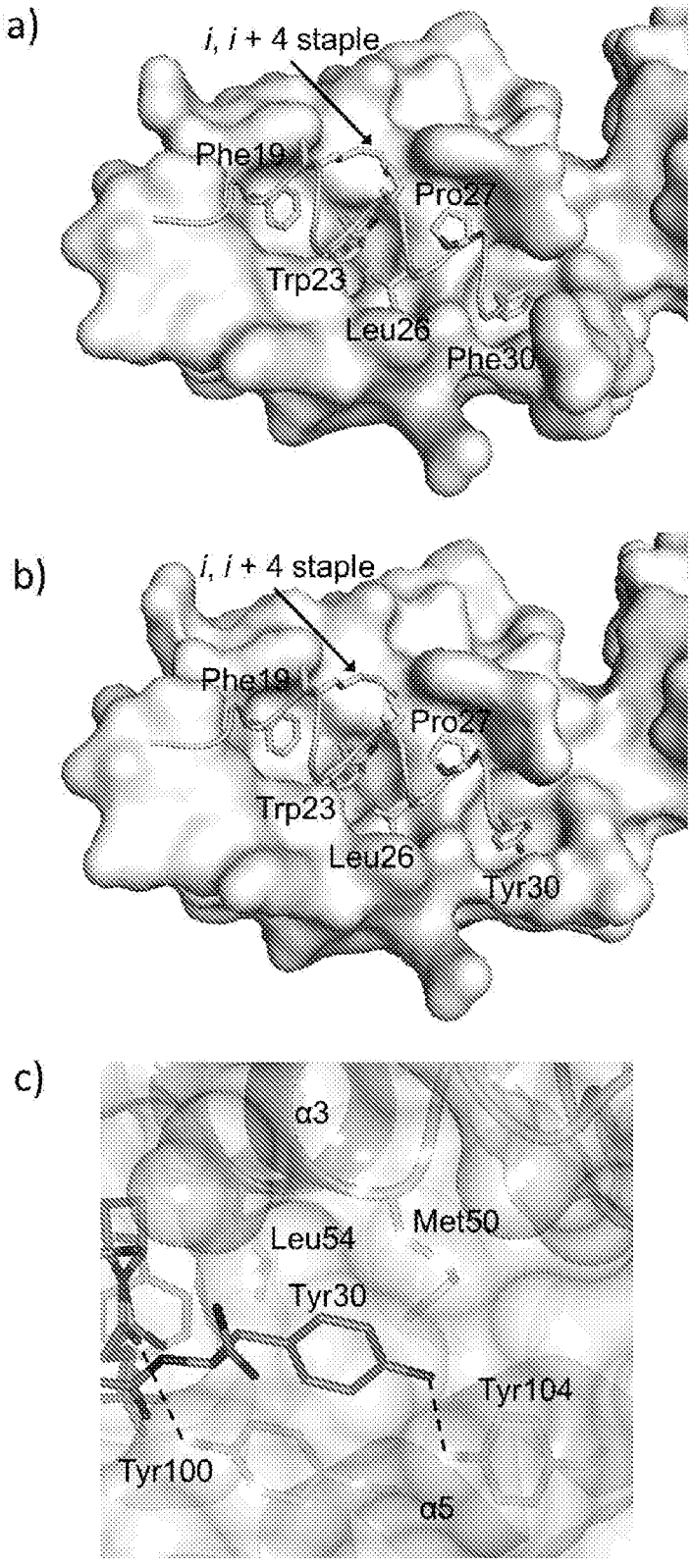

a)
i, i + 4 staple
Phe19
Pro27
Trp23
Leu26
Phe30
b)
i, i + 4 staple
Phe19
Pro27
Trp23
Leu26
Tyr30
c)
α3
Met50
Leu54
Tyr30
Tyr104
Tyr100
α5

FIG. 6

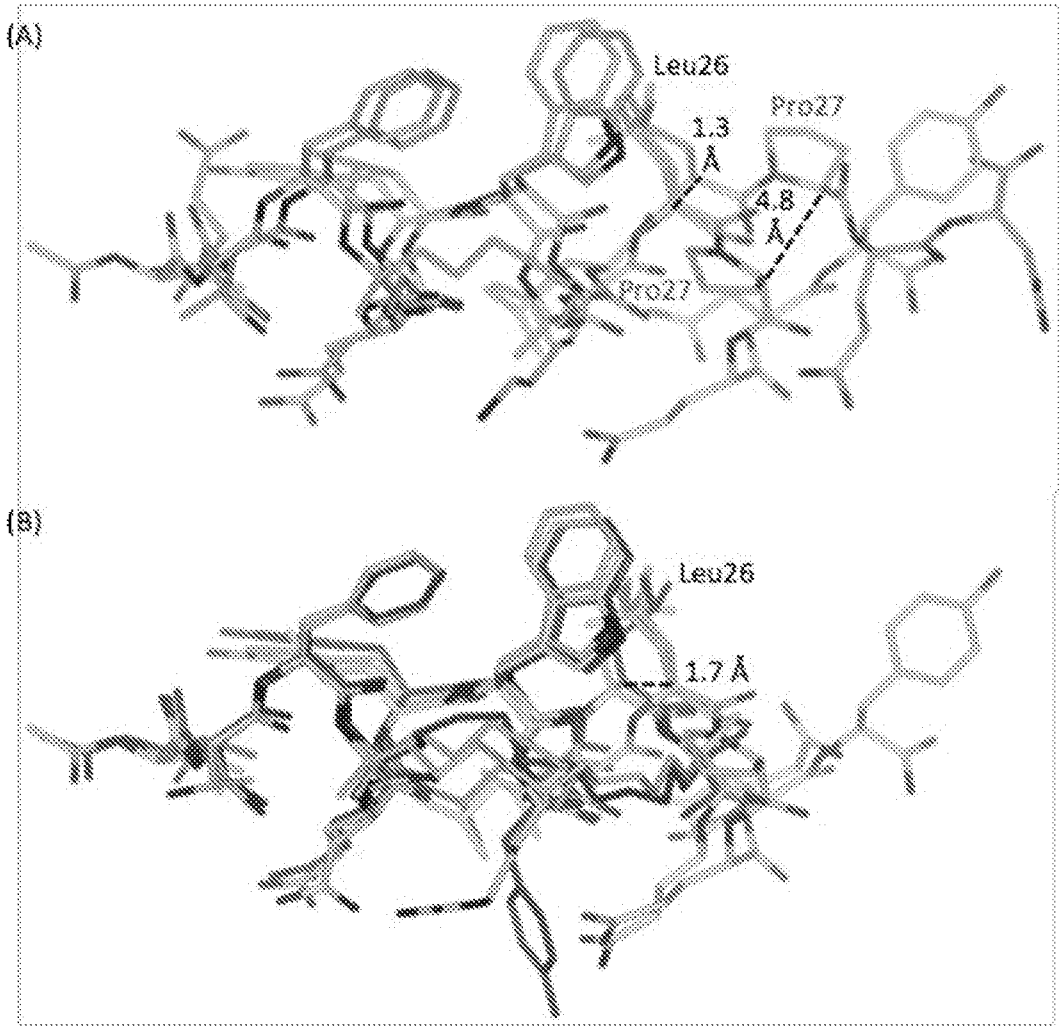


FIG. 7

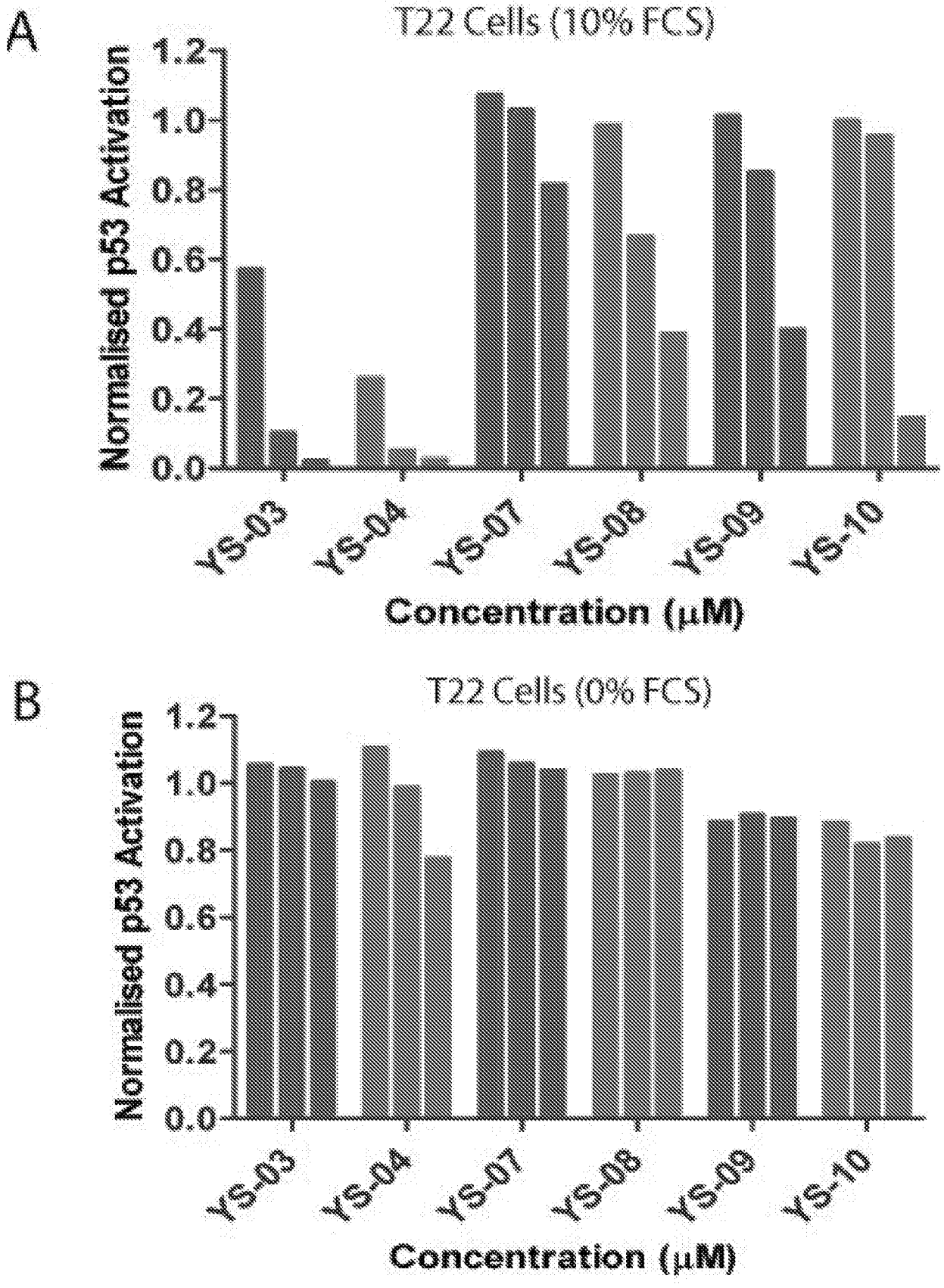
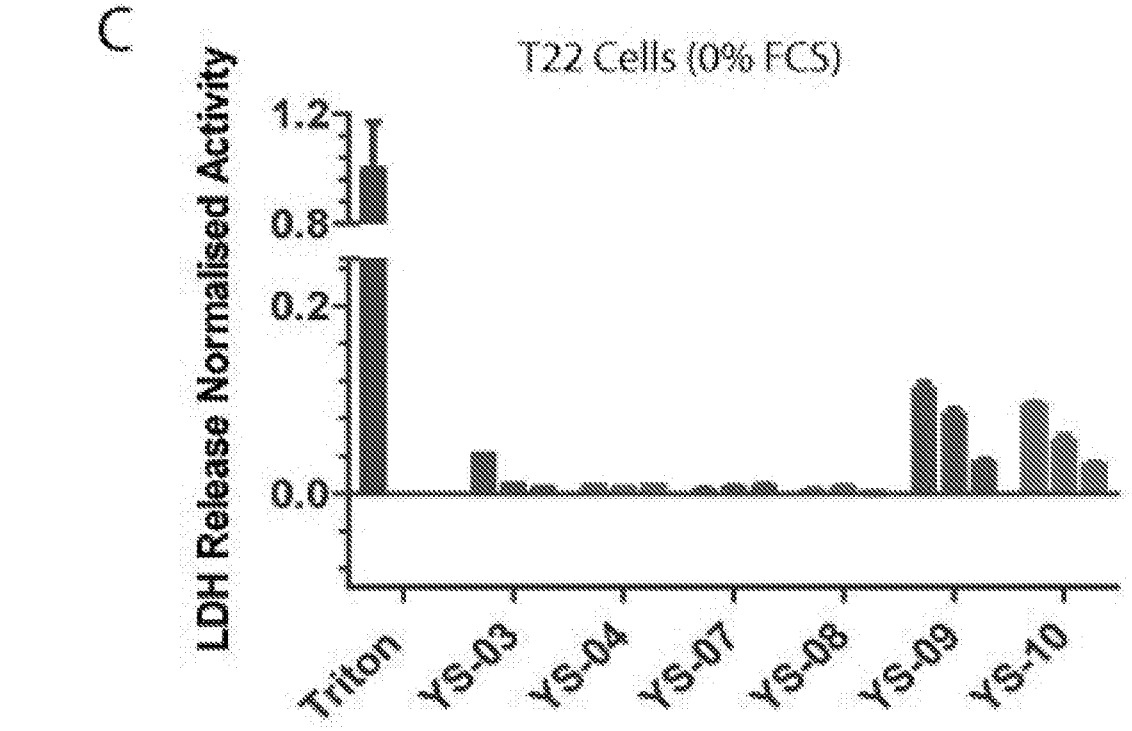

A
T22 Cells (10% FCS)
Normalised p53 Activation
1.2
1.0
0.8
0.6
0.4
0.2
0.0
YS-03
YS-04
YS-07
YS-08
YS-09
YS-10
Concentration (μM)
B
T22 Cells (0% FCS)
Normalised p53 Activation
1.2
1.0
0.8
0.6
0.4
0.2
0.0
YS-03
YS-04
YS-07
YS-08
YS-09
YS-10
Concentration (μM)

FIG. 7 continued



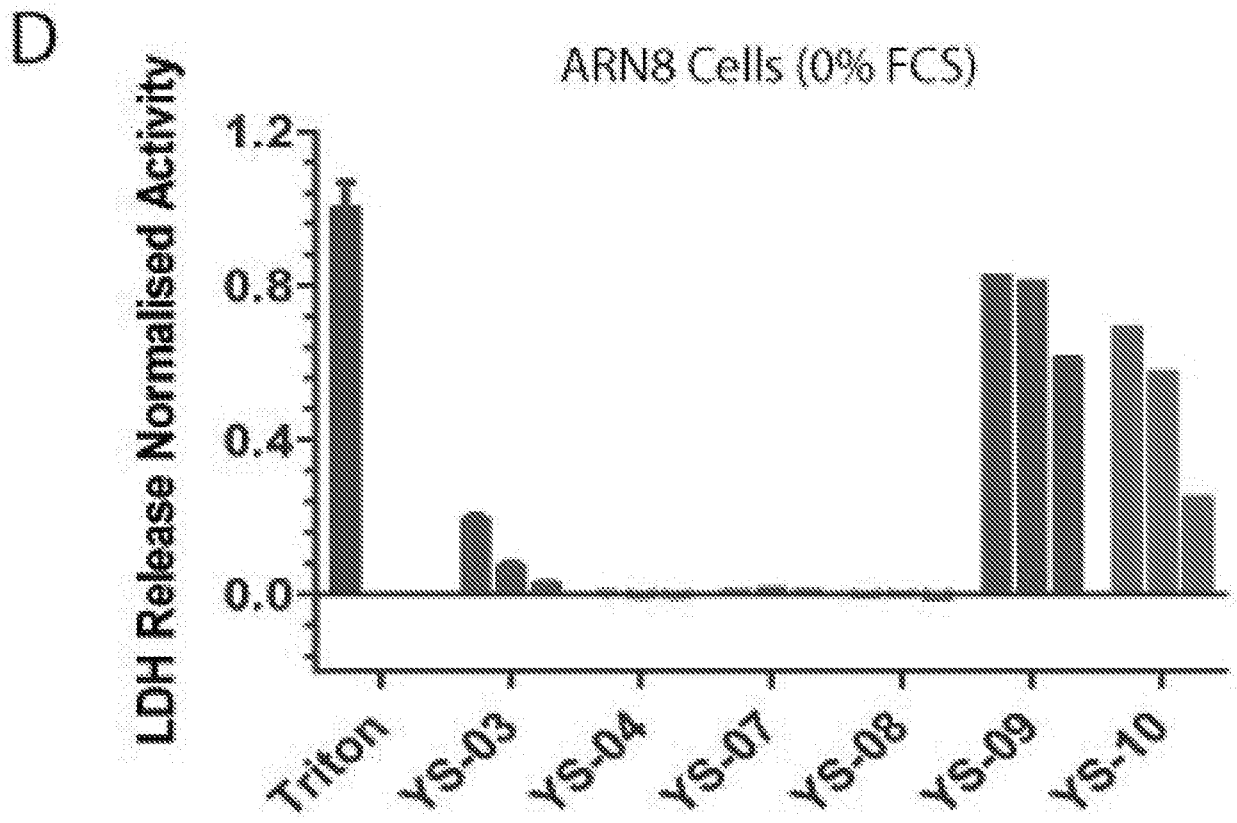
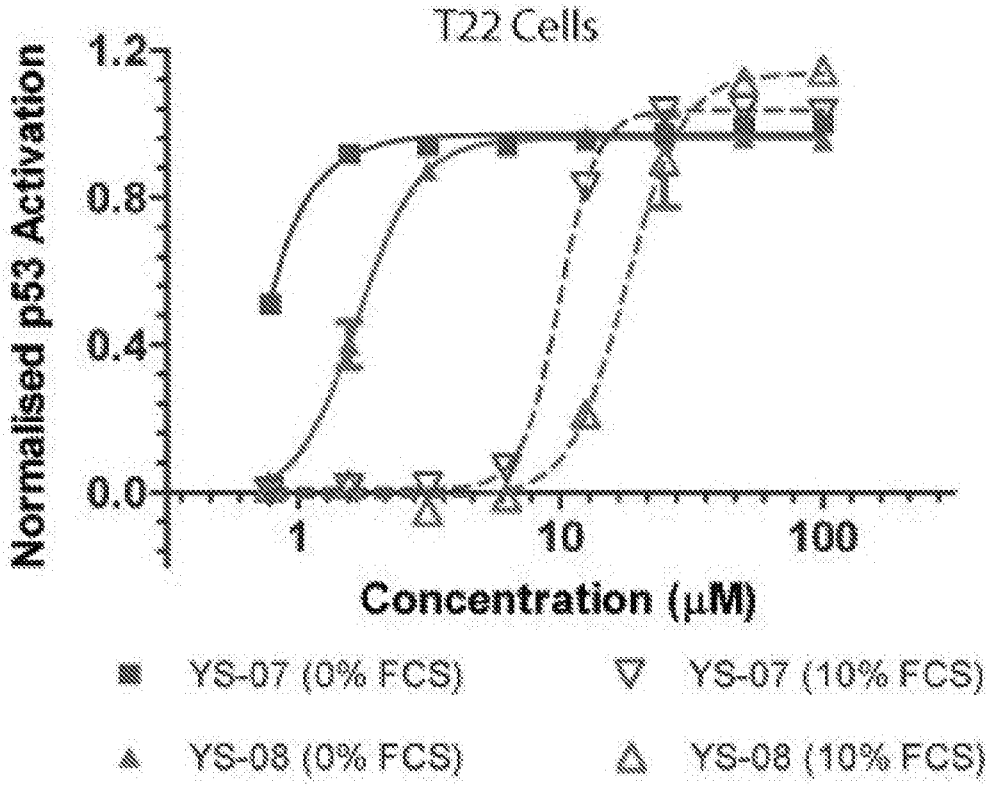


FIG. 7 continued

E



F

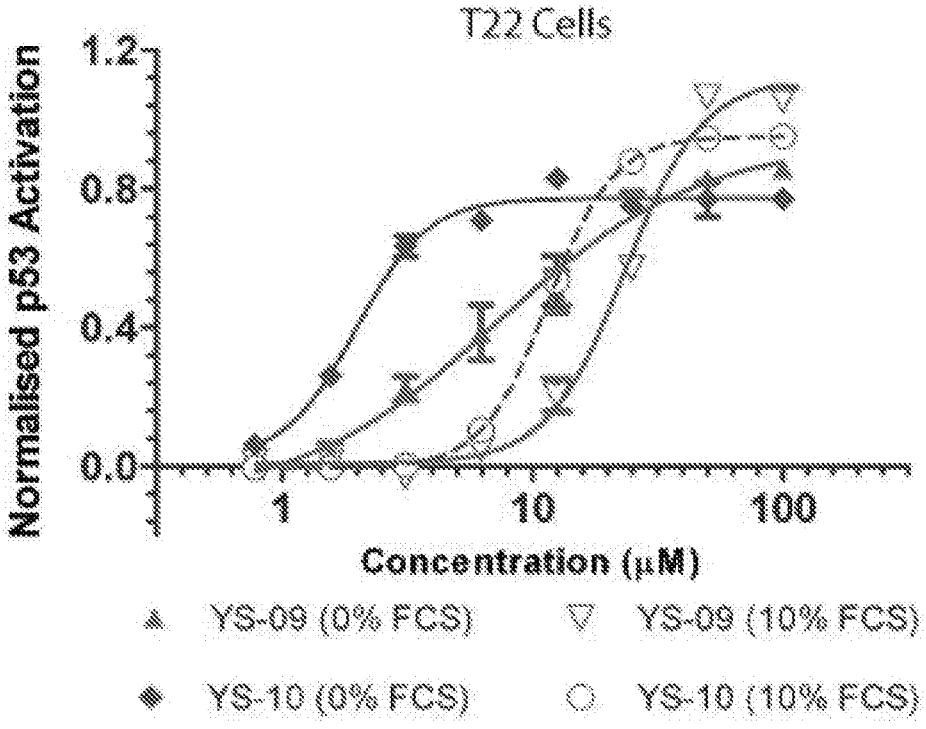


FIG. 8

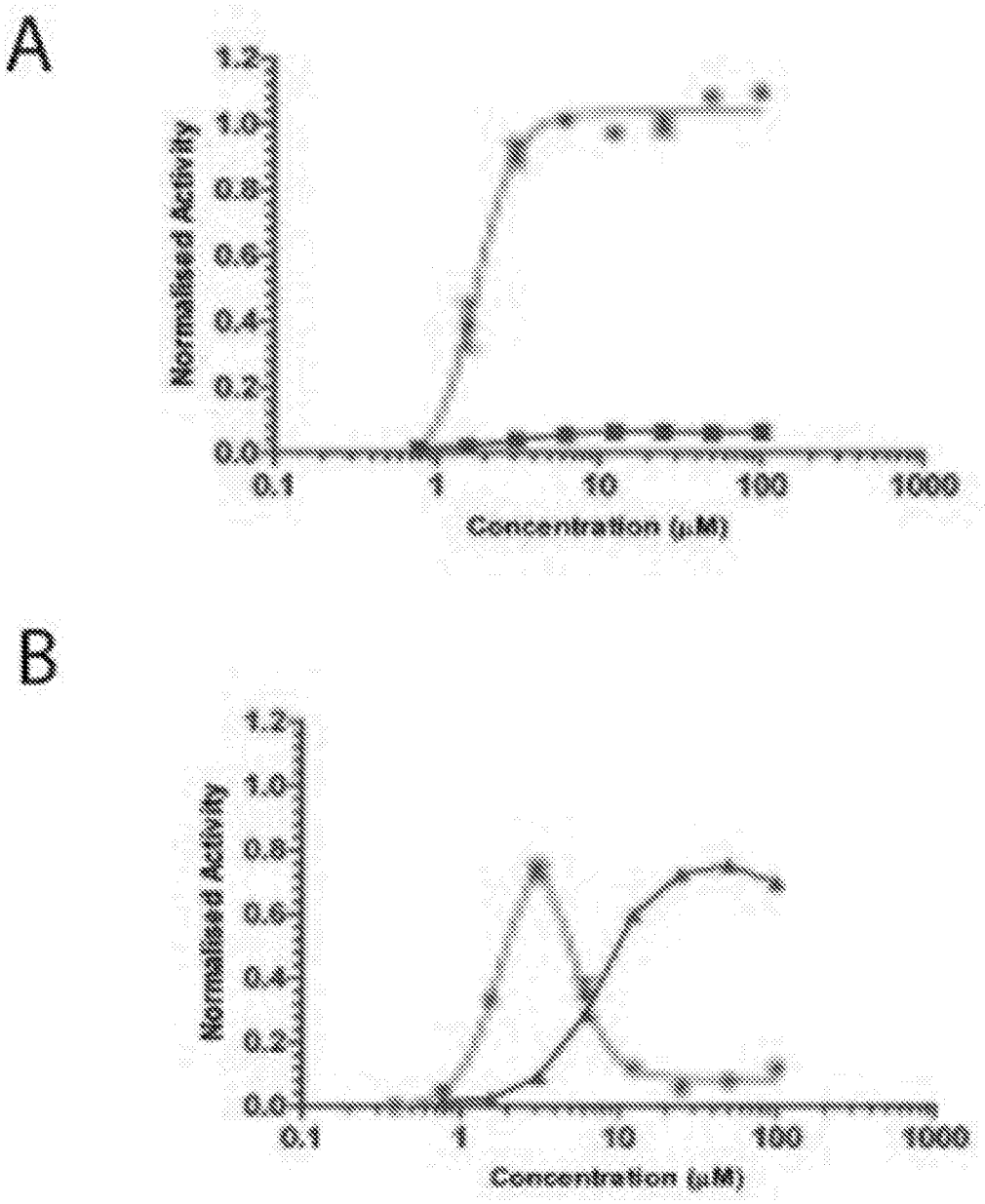

A
Normalised Activity
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.1
1
10
100
1000
Concentration (μM)
B
Normalised Activity
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.1
1
10
100
1000
Concentration (μM)

FIG. 8 continued

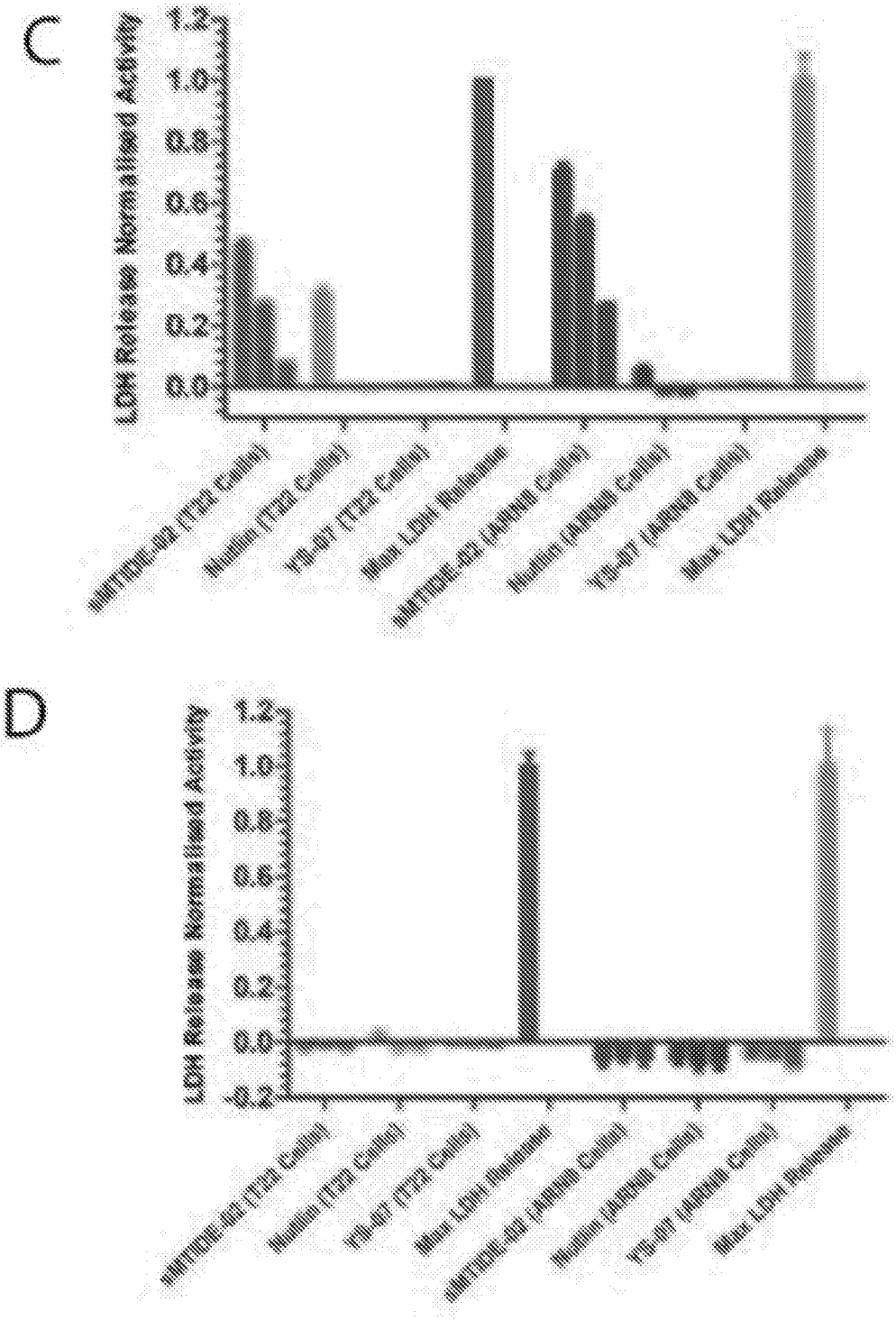
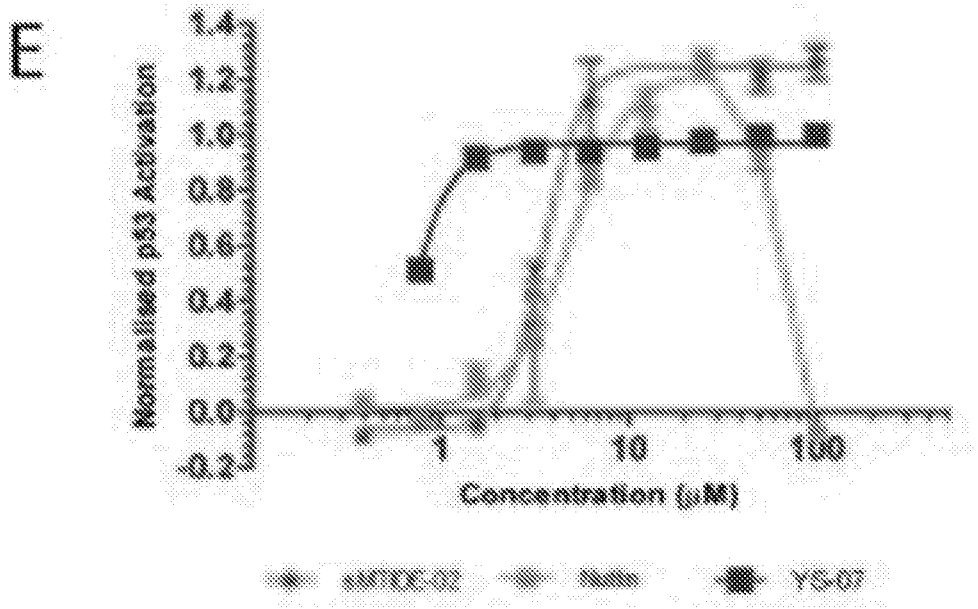


FIG. 8 continued



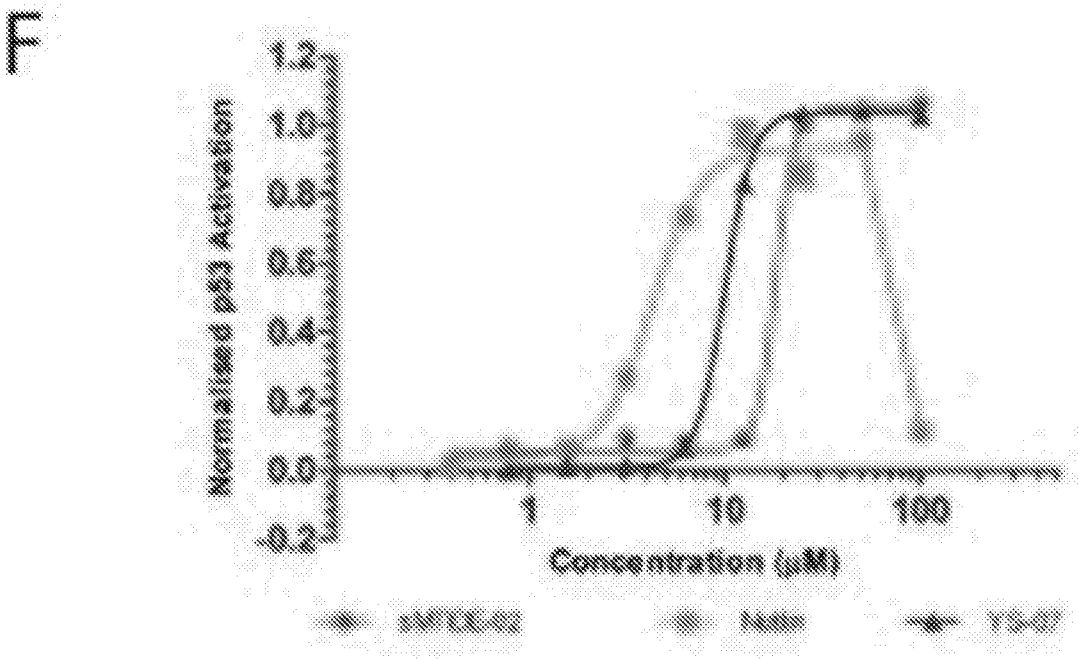
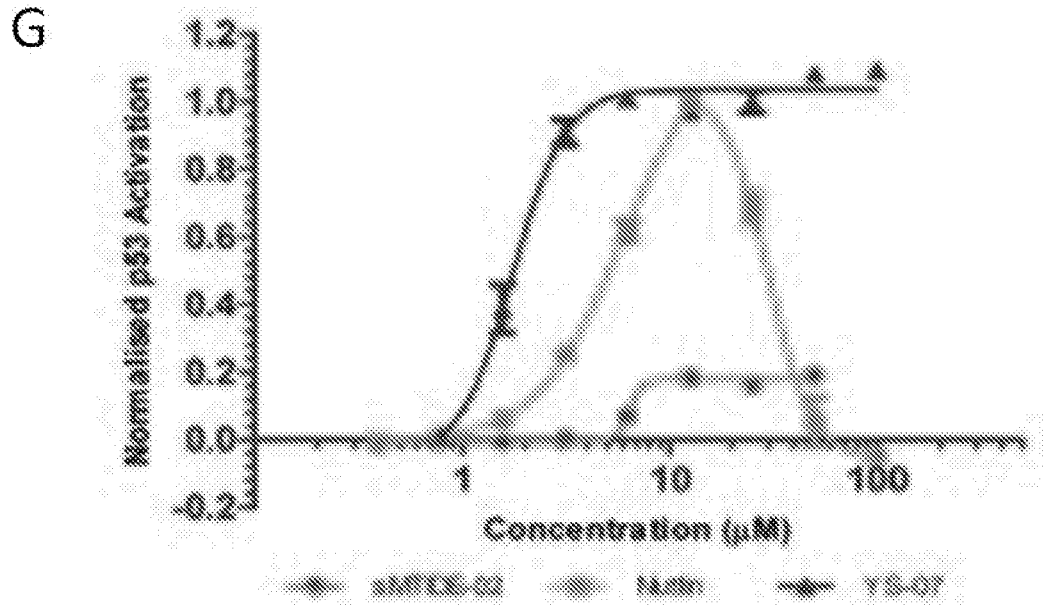


FIG. 8 continued



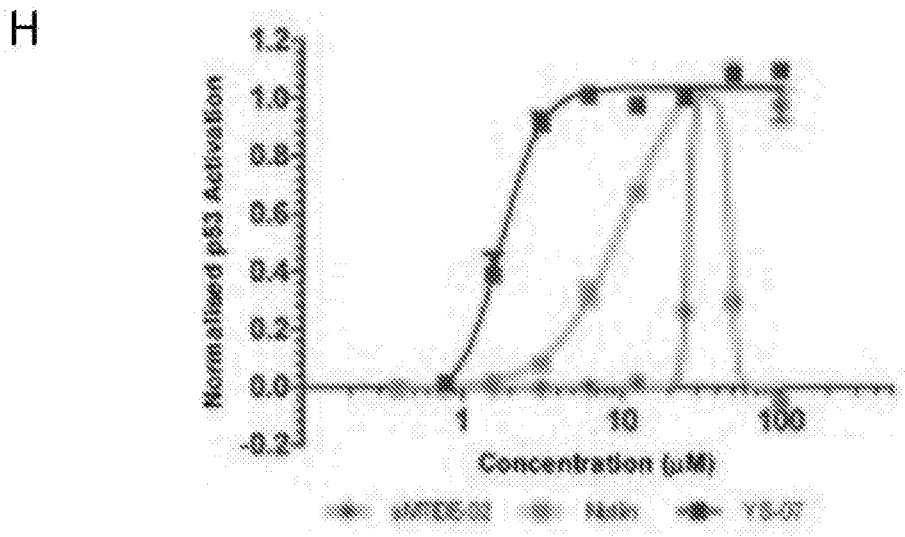


FIG. 9

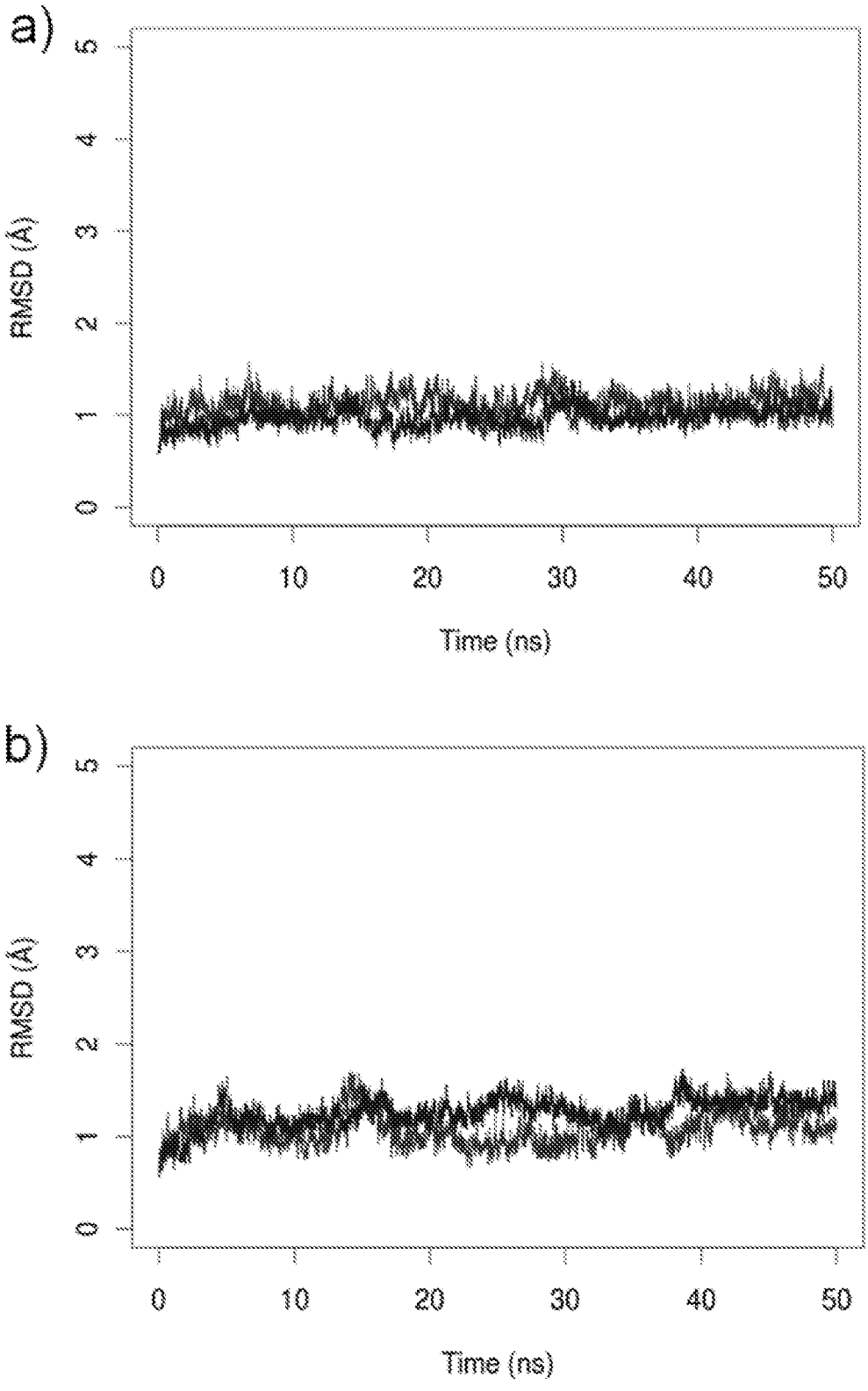
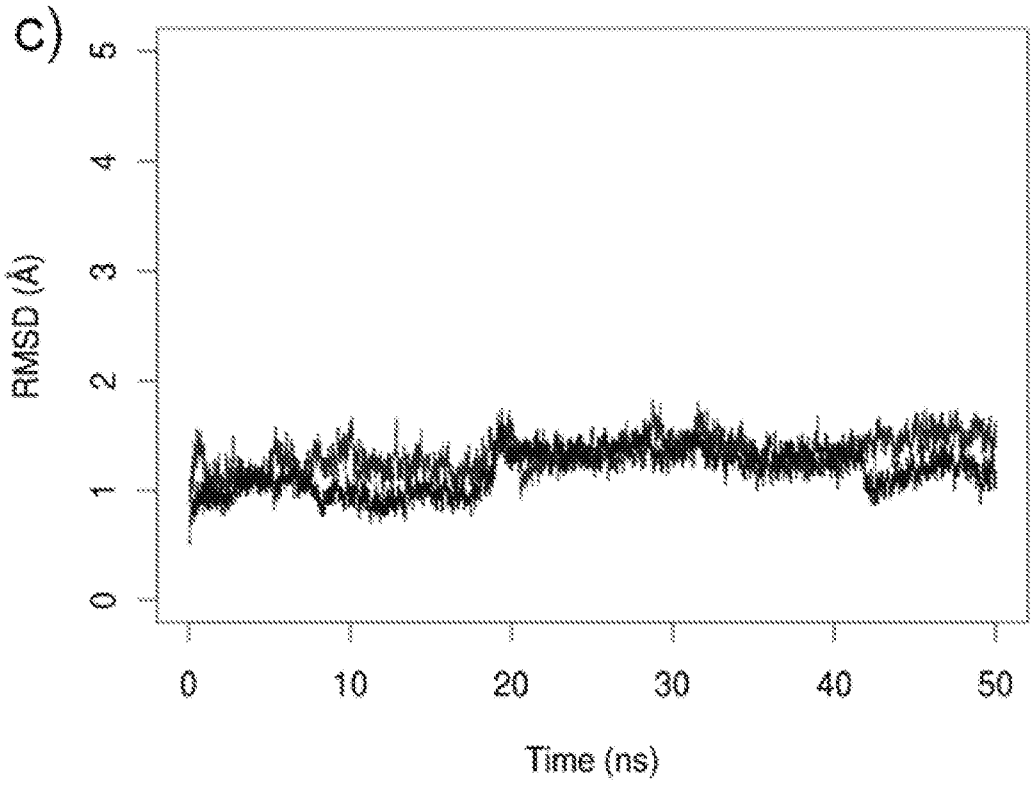

a)
RMSD (Å)
0
1
2
3
4
5
0
10
20
30
40
50
Time (ns)
b)
RMSD (Å)
0
1
2
3
4
5
0
10
20
30
40
50
Time (ns)

FIG. 9 continued



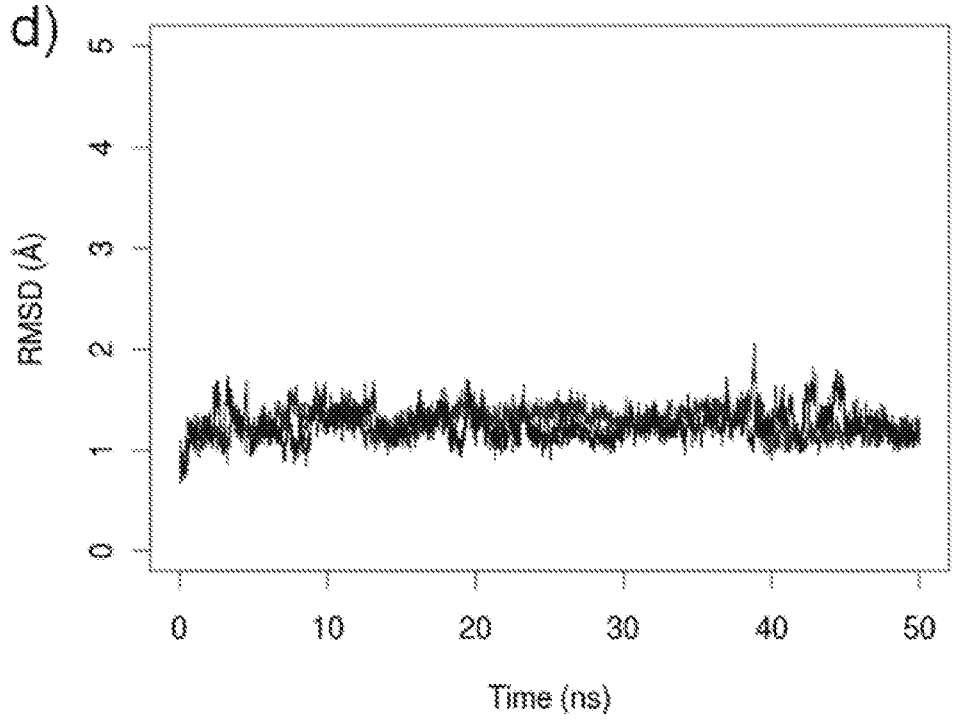


FIG. 10

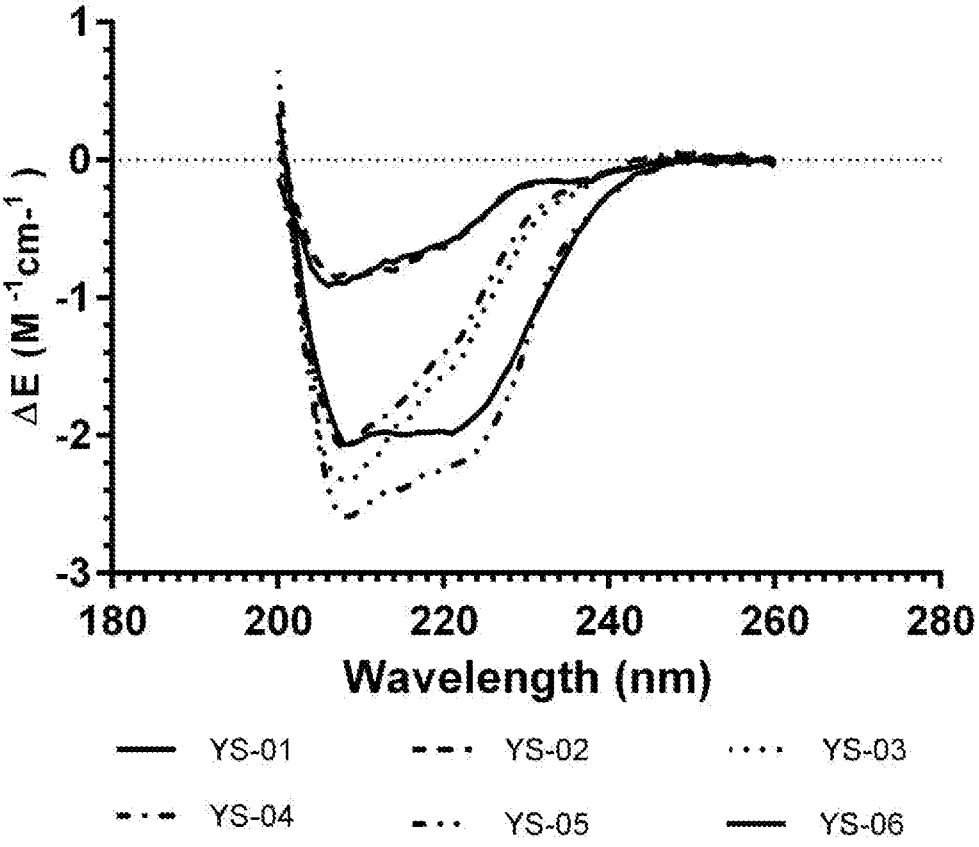

1
0
-1
-2
-3
ΔE (M-1cm-1)
180
200
220
240
260
280
Wavelength (nm)
YS-01
YS-02
YS-03
YS-04
YS-05
YS-06

FIG. 11

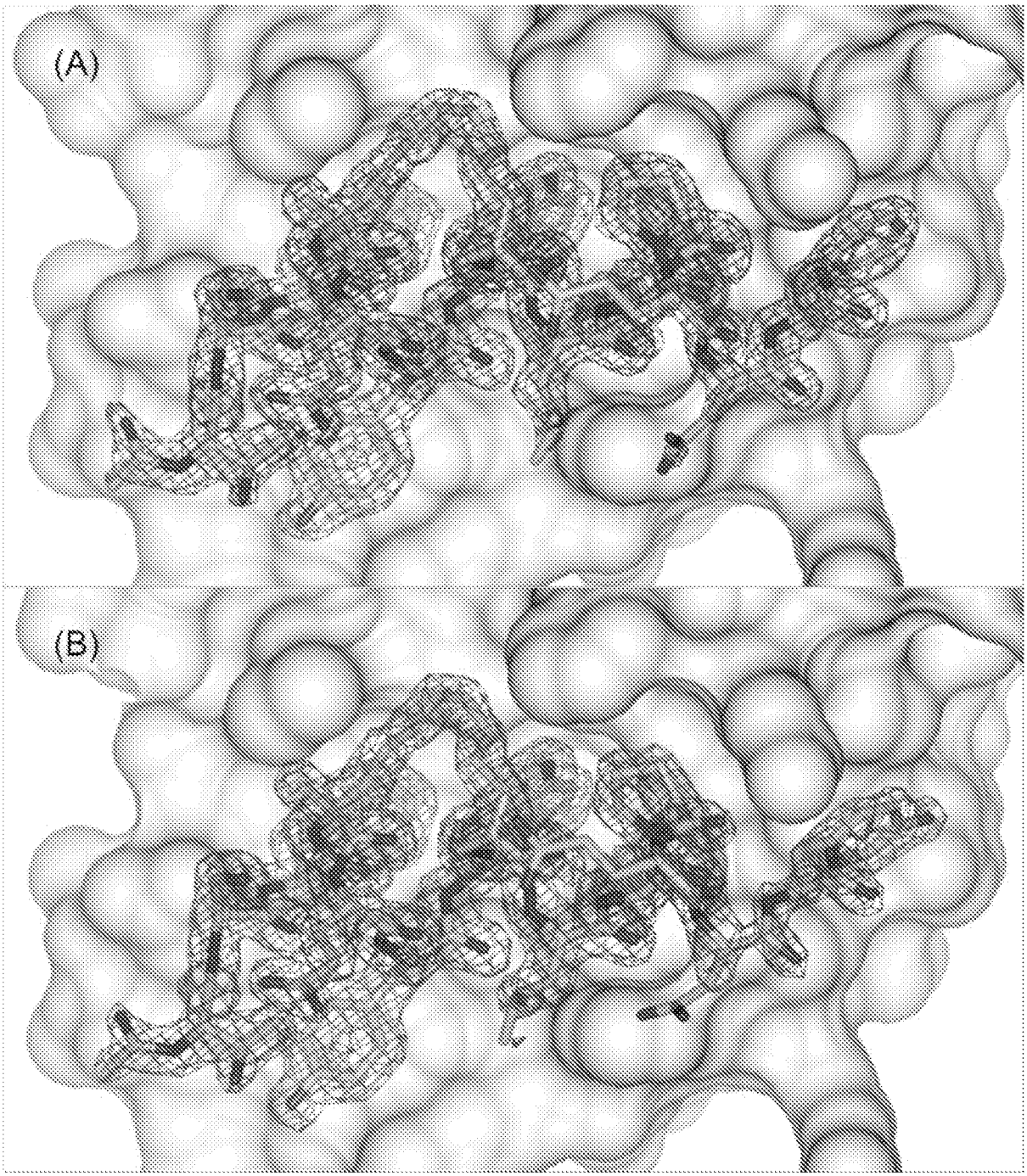


FIG. 12

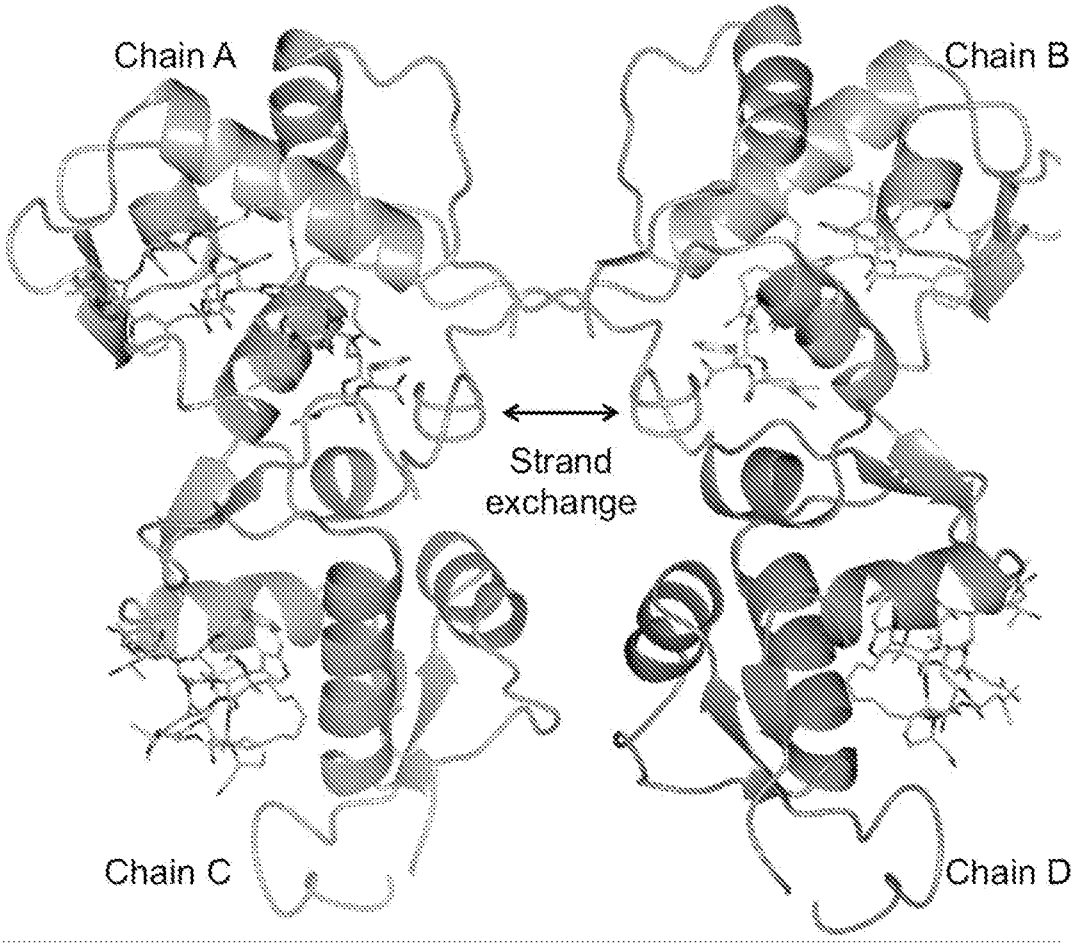


FIG. 13

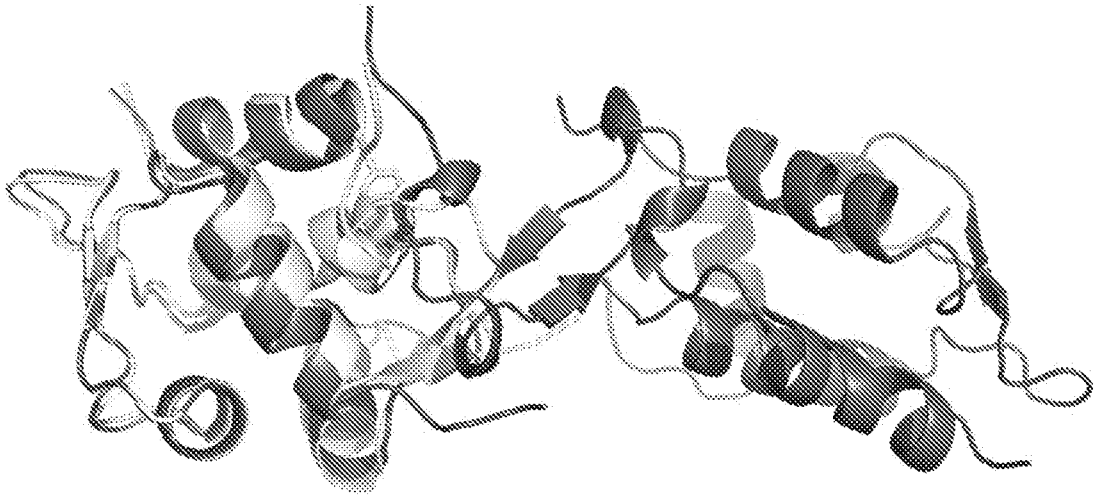


FIG. 14

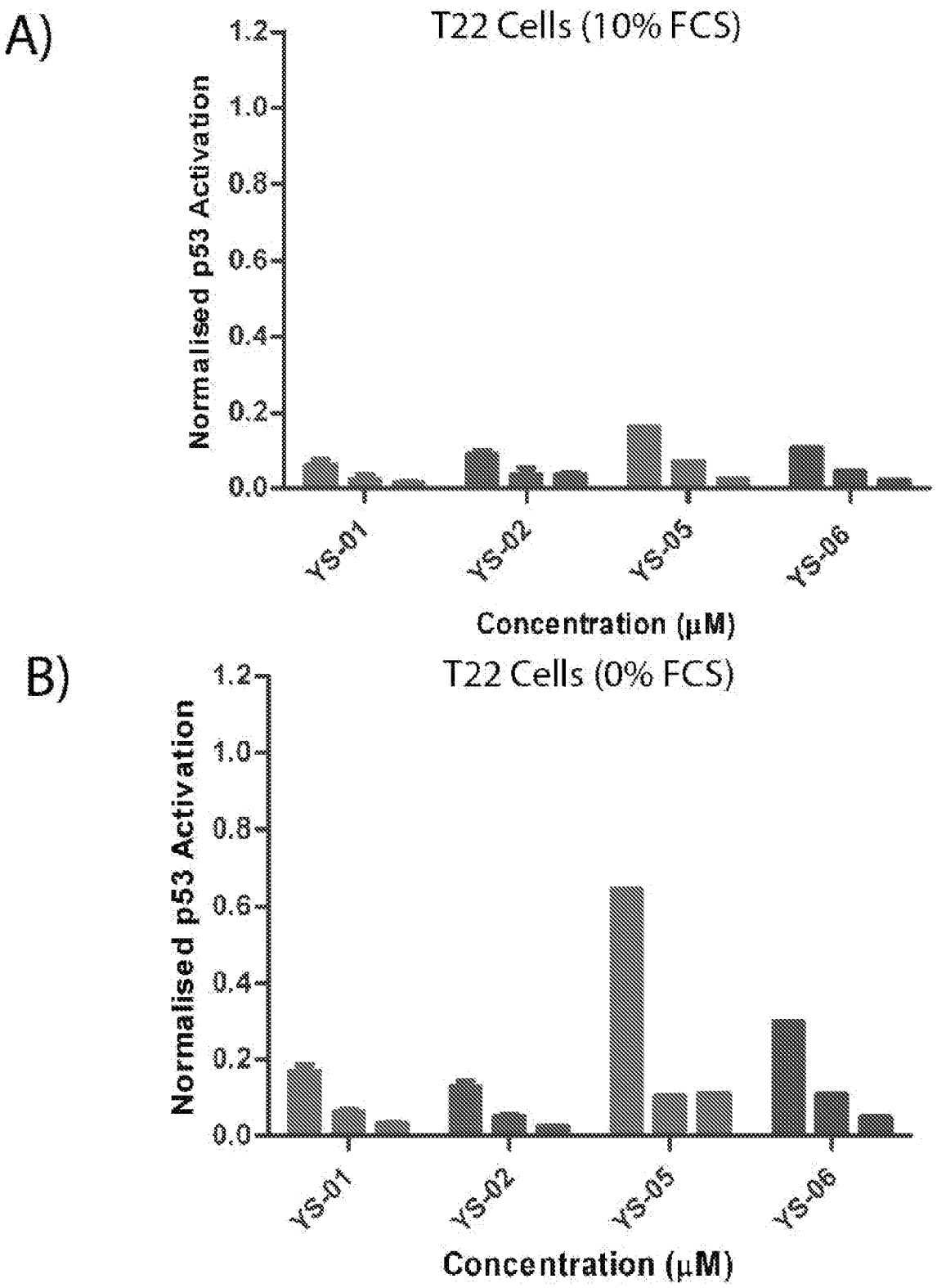

A)
T22 Cells (10% FCS)
Normalised p53 Activation
1.2
1.0
0.8
0.6
0.4
0.2
0.0
YS-01
YS-02
YS-05
YS-06
Concentration (µM)
B)
T22 Cells (0% FCS)
Normalised p53 Activation
1.2
1.0
0.8
0.6
0.4
0.2
0.0
YS-01
YS-02
YS-05
YS-06
Concentration (µM)

FIG. 14 continuted

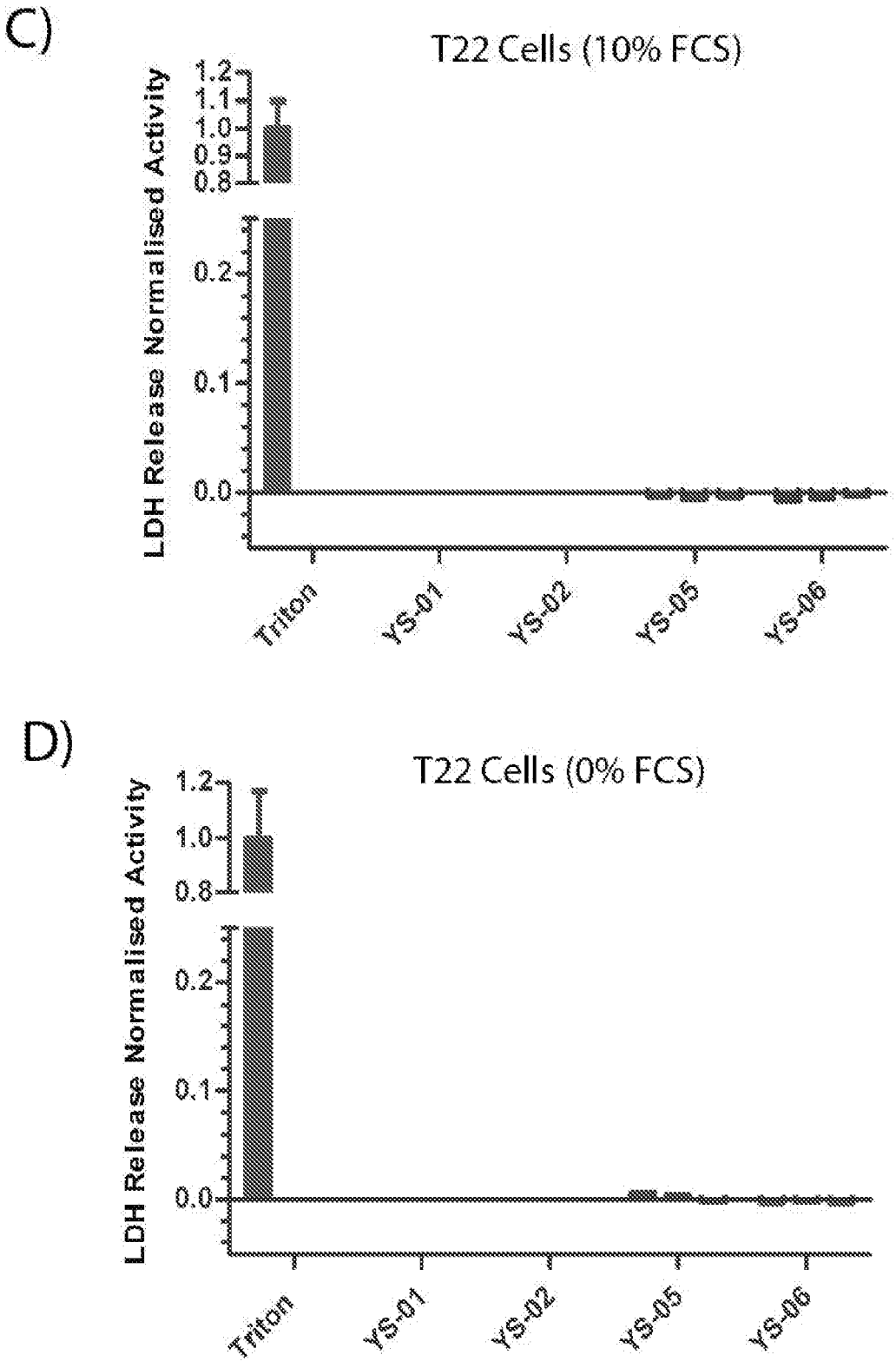
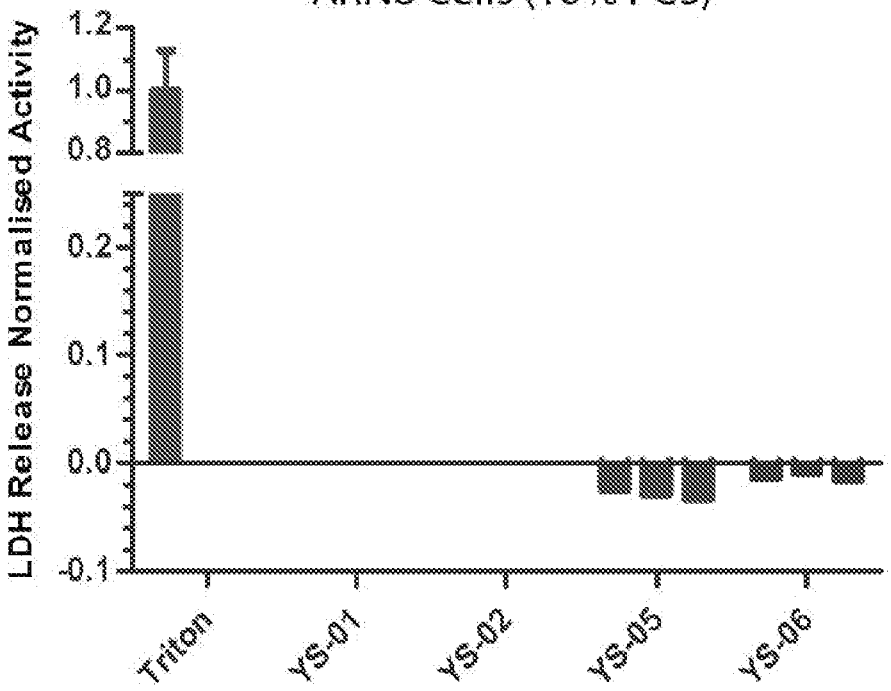
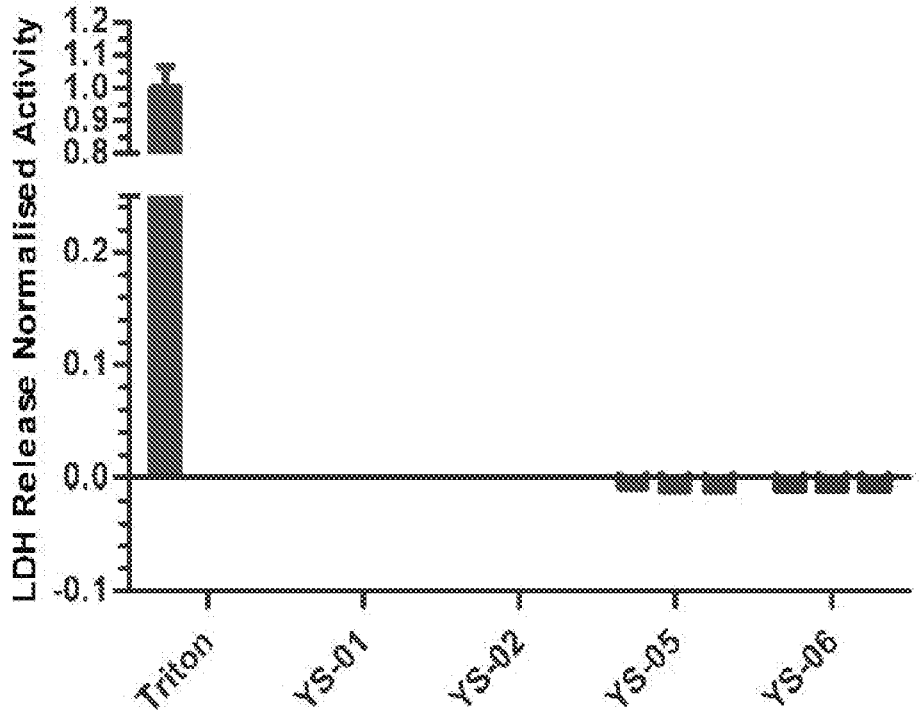


FIG. 14 continued

E)



F)