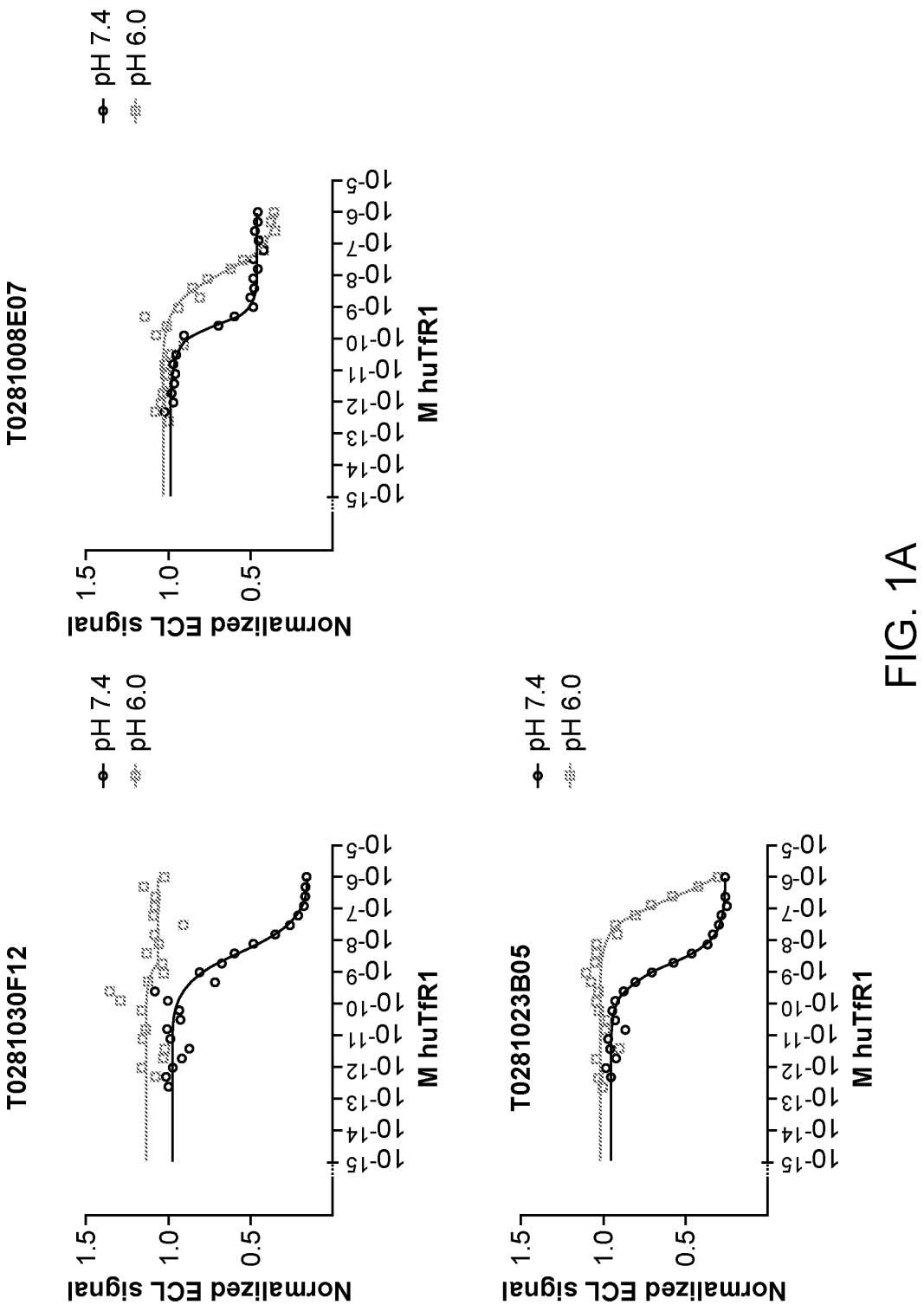

T0281008E07
pH 7.4
pH 6.0
Normalized ECL signal
1.5
1.0
0.5
10-5
10-6
10-7
10-8
10-9
10-10
10-11
10-12
10-13
10-14
10-15
M huTfR1
T0281030F12
pH 7.4
pH 6.0
Normalized ECL signal
1.5
1.0
0.5
10-5
10-6
10-7
10-8
10-9
10-10
10-11
10-12
10-13
10-14
10-15
M huTfR1
T0281023B05
pH 7.4
pH 6.0
Normalized ECL signal
1.5
1.0
0.5
10-5
10-6
10-7
10-8
10-9
10-10
10-11
10-12
10-13
10-14
10-15
M huTfR1

FIG. 1A

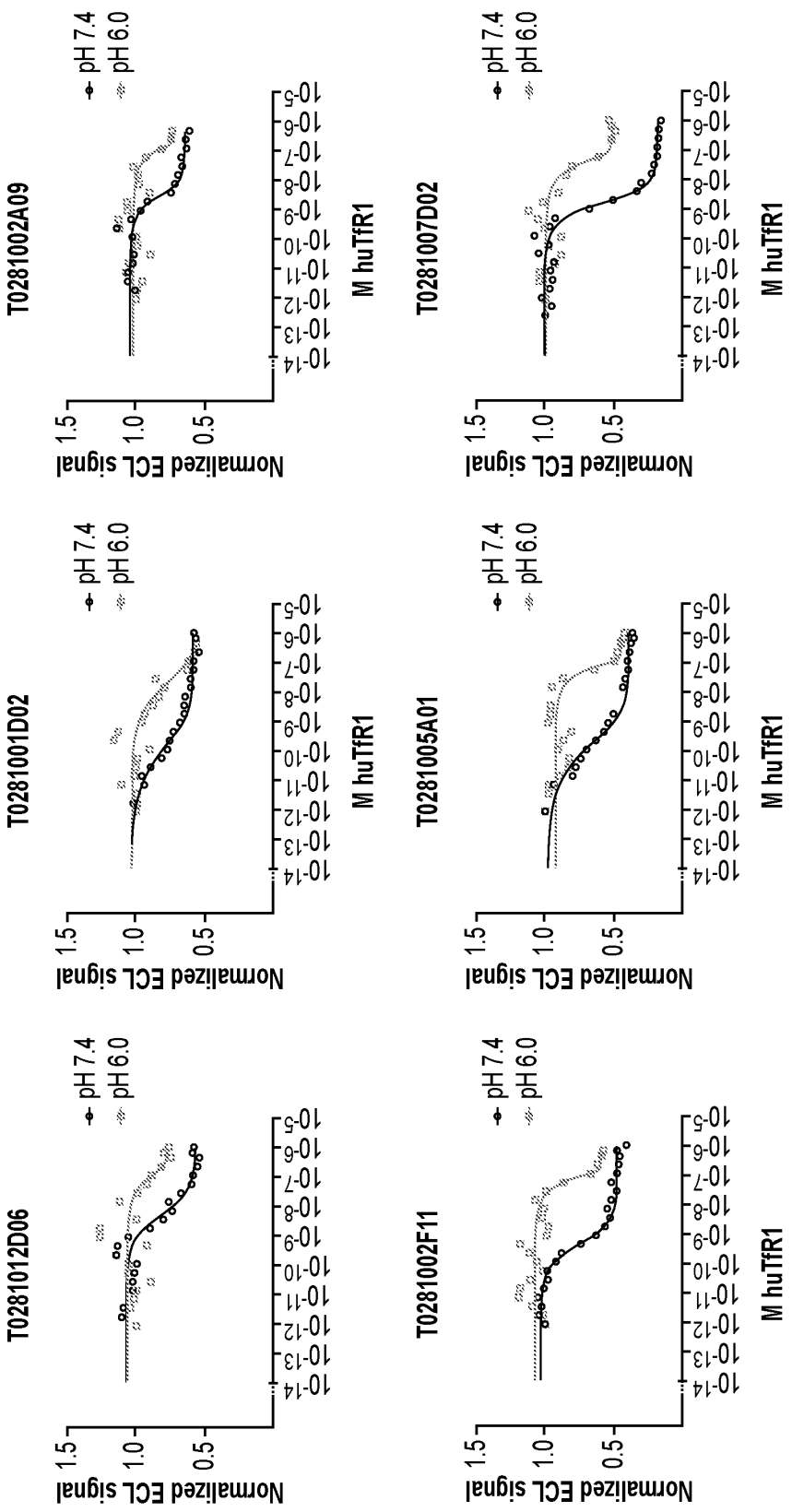

T0281012D06
T0281001D02
T0281002A09
T0281002F11
T0281005A01
T0281007D02
pH 7.4
pH 6.0
Normalized ECL signal
M huTfR1
1.5
1.0
0.5
10-5
10-6
10-7
10-8
10-9
10-10
10-11
10-12
10-13
10-14

FIG. 1B

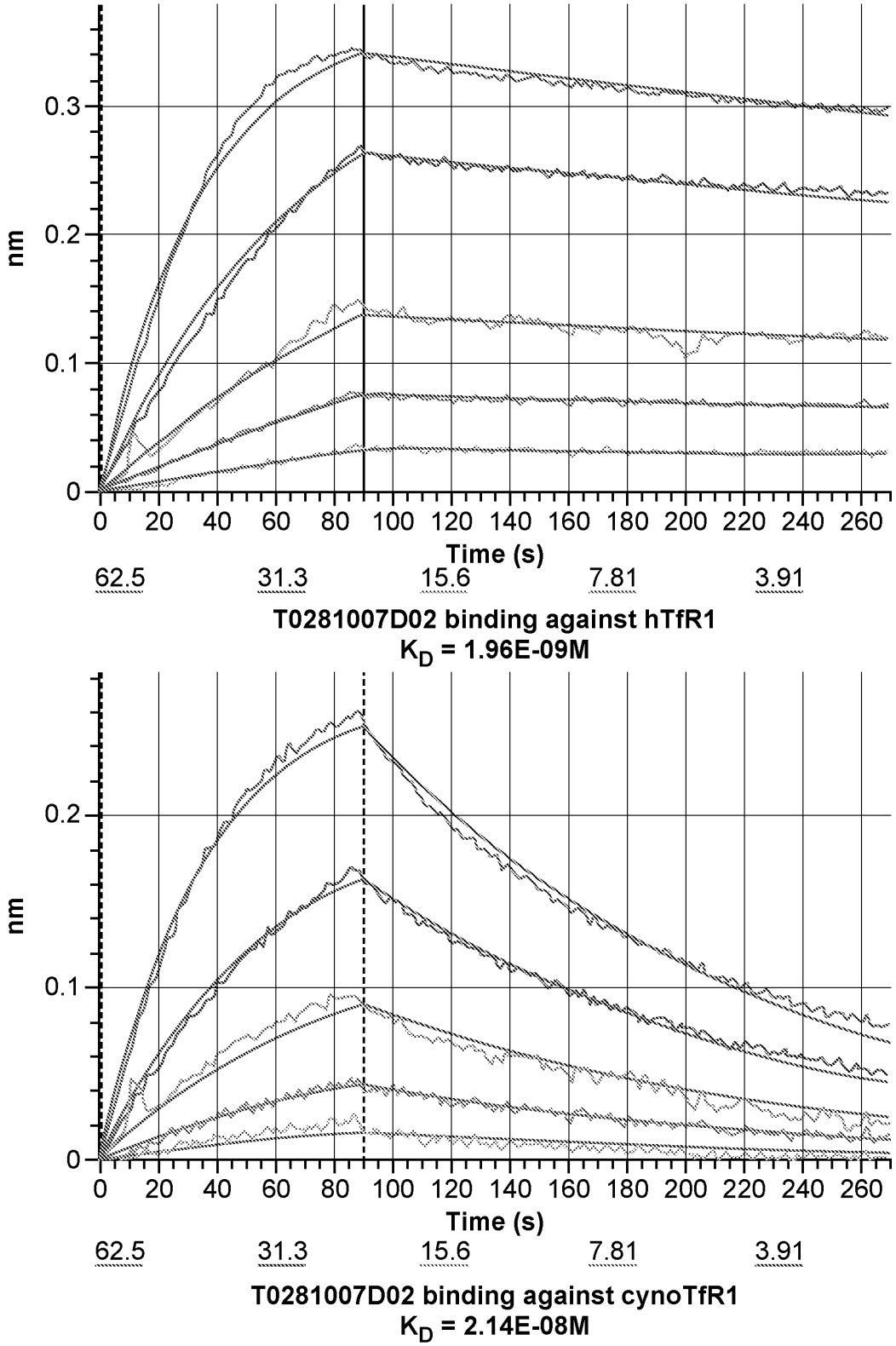

nm
0.3
0.2
0.1
0
0 20 40 60 80 100 120 140 160 180 200 220 240 260
Time (s)
62.5 31.3 15.6 7.81 3.91
T0281007D02 binding against hTfR1
K_D = 1.96E-09M
nm
0.2
0.1
0
0 20 40 60 80 100 120 140 160 180 200 220 240 260
Time (s)
62.5 31.3 15.6 7.81 3.91
T0281007D02 binding against cynoTfR1
K_D = 2.14E-08M

FIG. 2

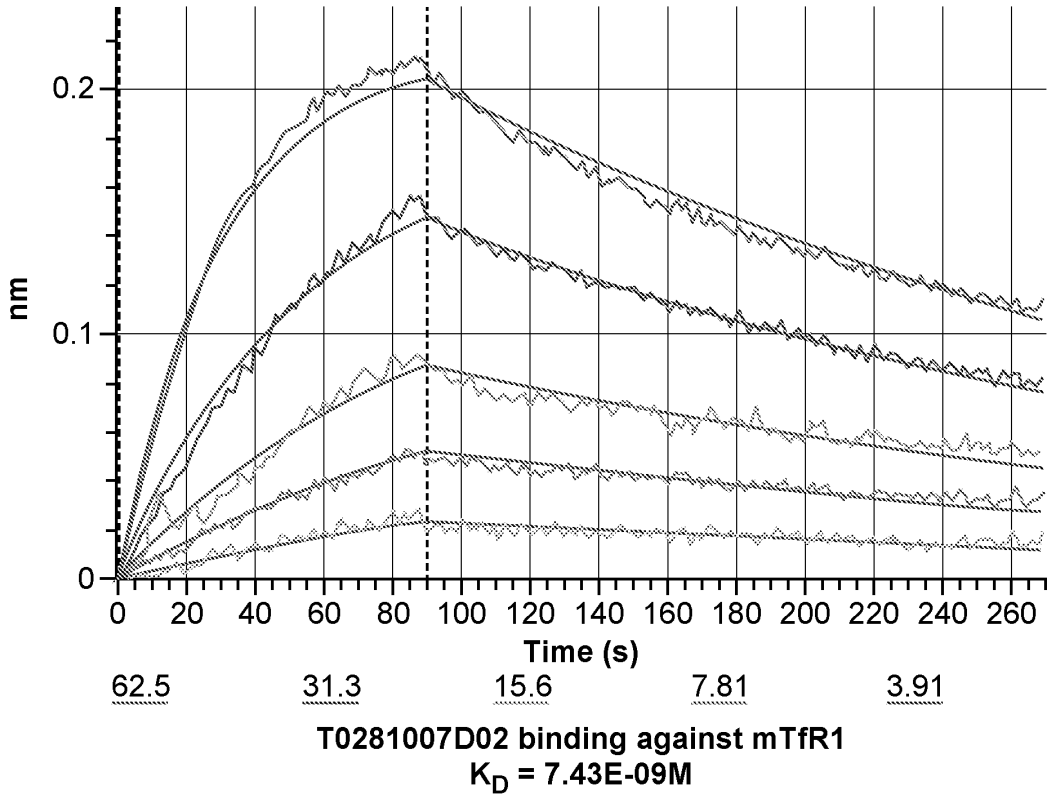

0.2
0.1
0
nm
0 20 40 60 80 100 120 140 160 180 200 220 240 260
Time (s)
62.5
31.3
15.6
7.81
3.91
T0281007D02 binding against mTfR1
K_D = 7.43E-09M

FIG. 2 (Cont.)

Figure 3A

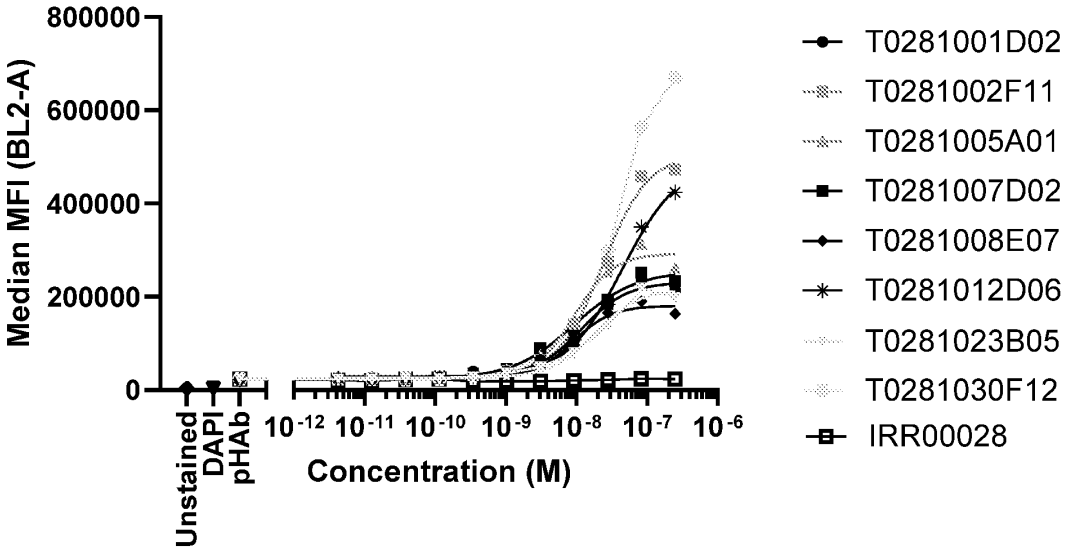


Figure 3B

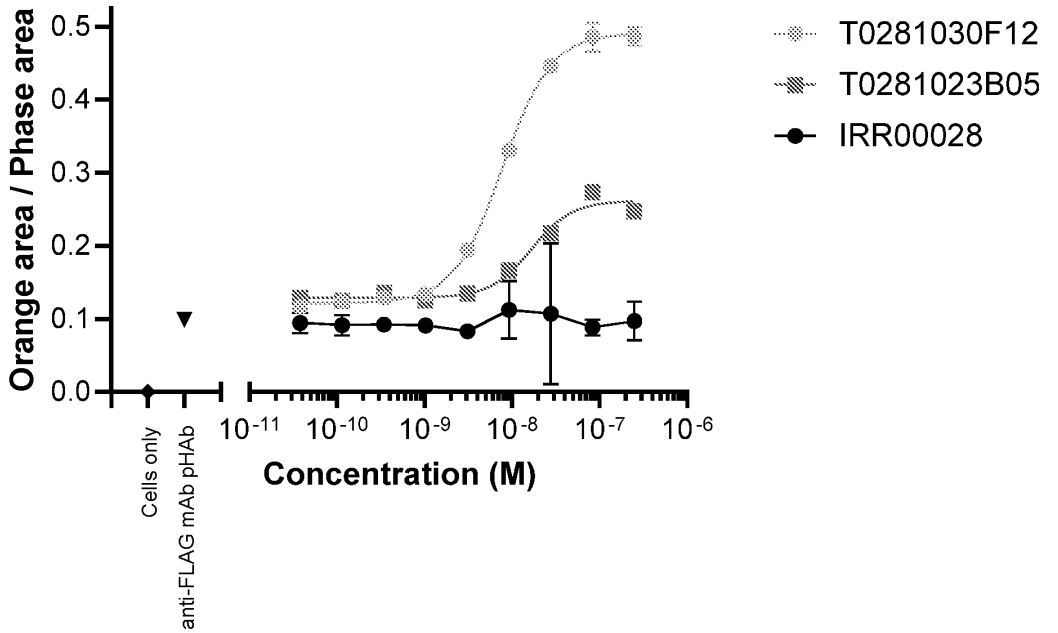


Figure 4

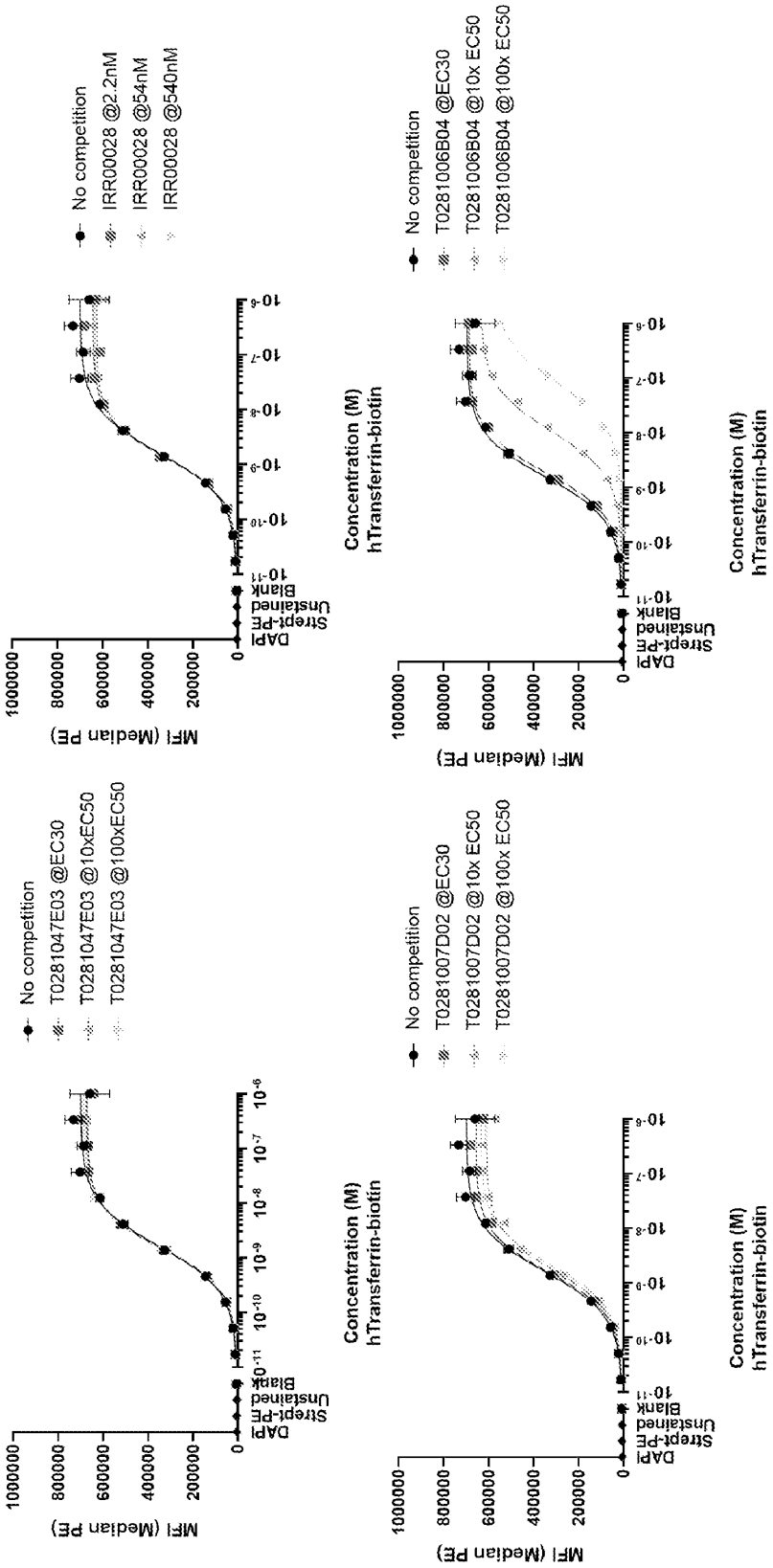

No competition
IRR00028 @2.2nM
IRR00028 @54nM
IRR00028 @540nM
T0281006B04 @EC30
T0281006B04 @10x EC50
T0281006B04 @100x EC50
T0281047E03 @EC30
T0281047E03 @10xEC50
T0281047E03 @100xEC50
T0281007D02 @EC30
T0281007D02 @10x EC50
T0281007D02 @100x EC50
MFI (Median PE)
Concentration (M)
hTransferrin-biotin
DAPI
Strept-PE
Unstained
Blank

Figure 5

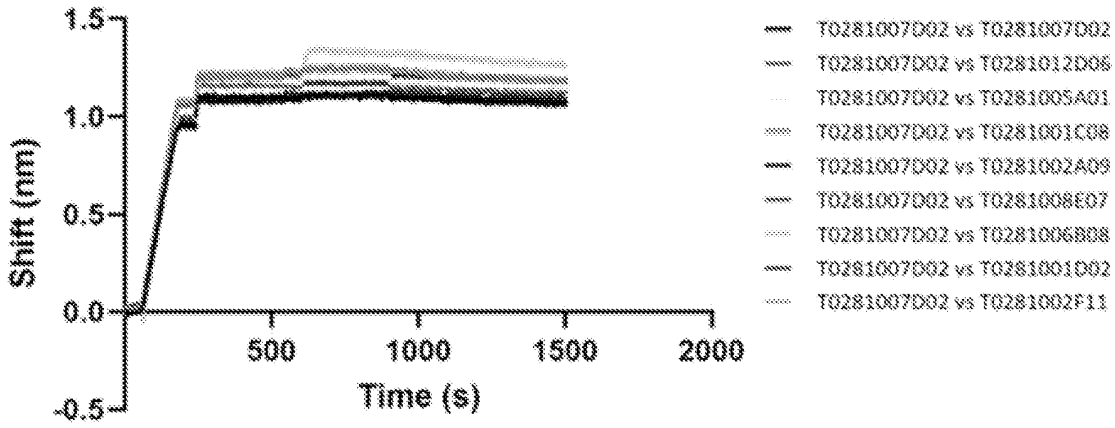

1.5
1.0
0.5
0.0
-0.5
Shift (nm)
500
1000
1500
2000
Time (s)
T0281007D02 vs T0281007D02
T0281007D02 vs T0281012D06
T0281007D02 vs T0281005A01
T0281007D02 vs T0281001C08
T0281007D02 vs T0281002A09
T0281007D02 vs T0281008E07
T0281007D02 vs T0281006B08
T0281007D02 vs T0281001D02
T0281007D02 vs T0281002F11

Figure 6

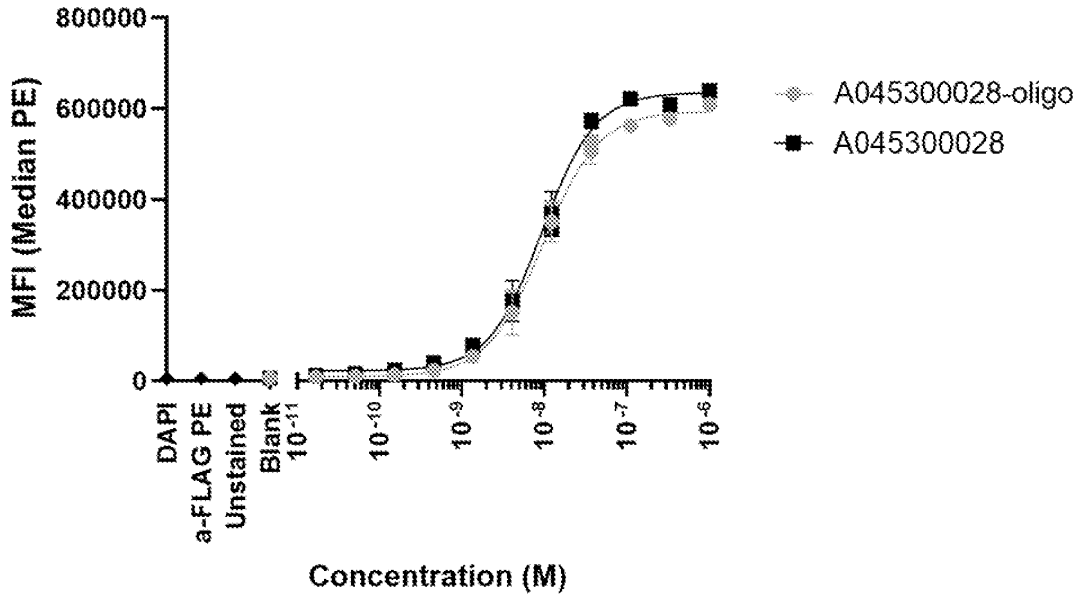

800000
600000
400000
200000
0
MFI (Median PE)
DAPI
a-FLAG PE
Unstained
Blank
10-11
10-10
10-9
10-8
10-7
10-6
Concentration (M)
A045300028-oligo
A045300028

Figure 6 (continued)

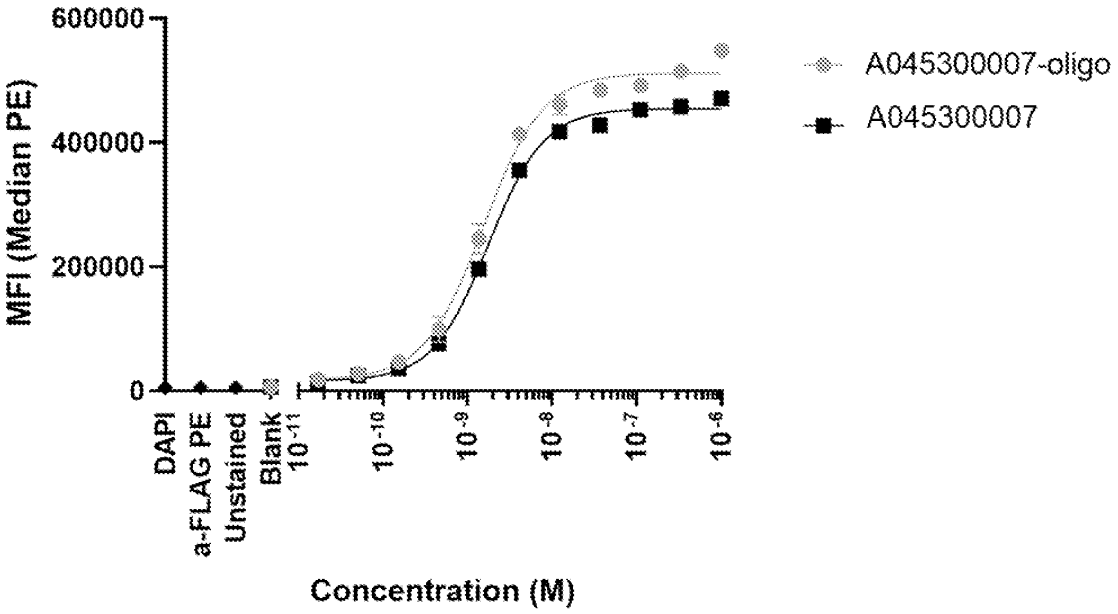


Figure 7A

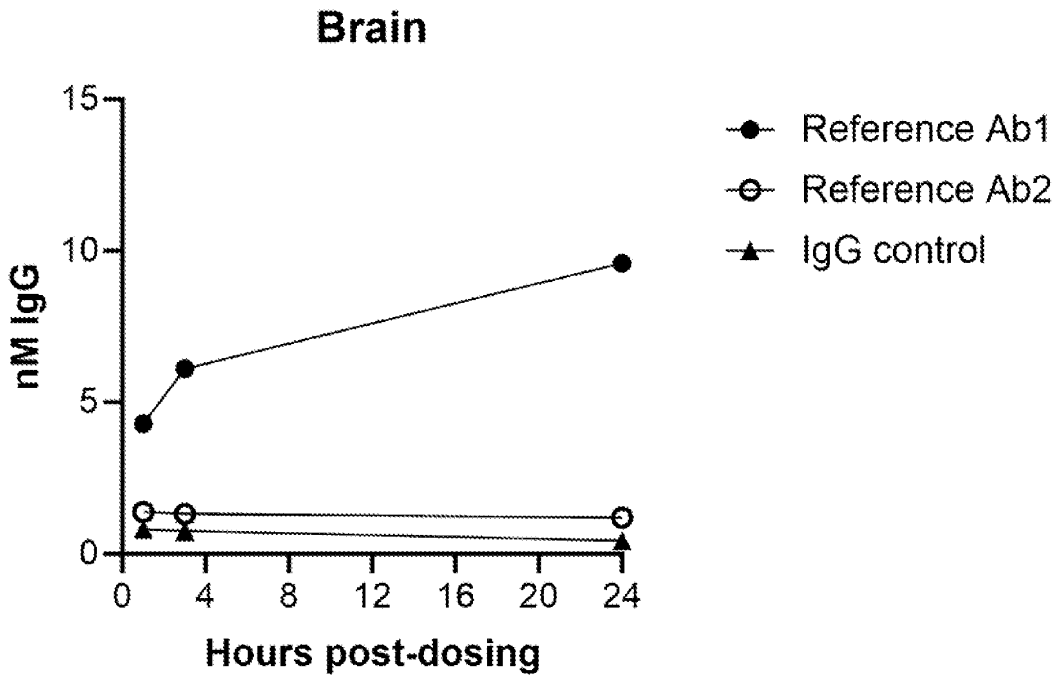


Figure 7B

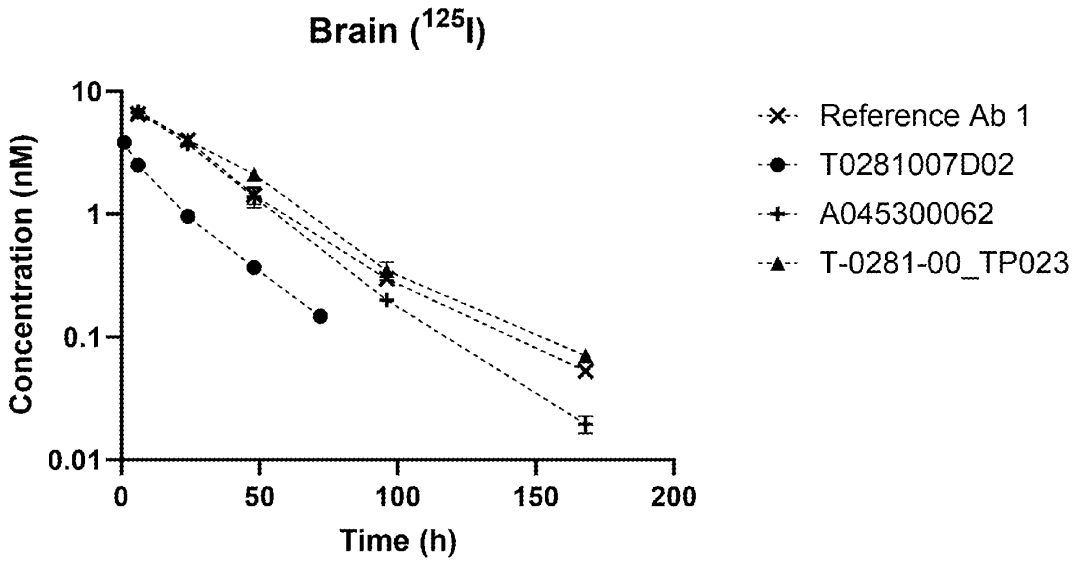


Figure 8

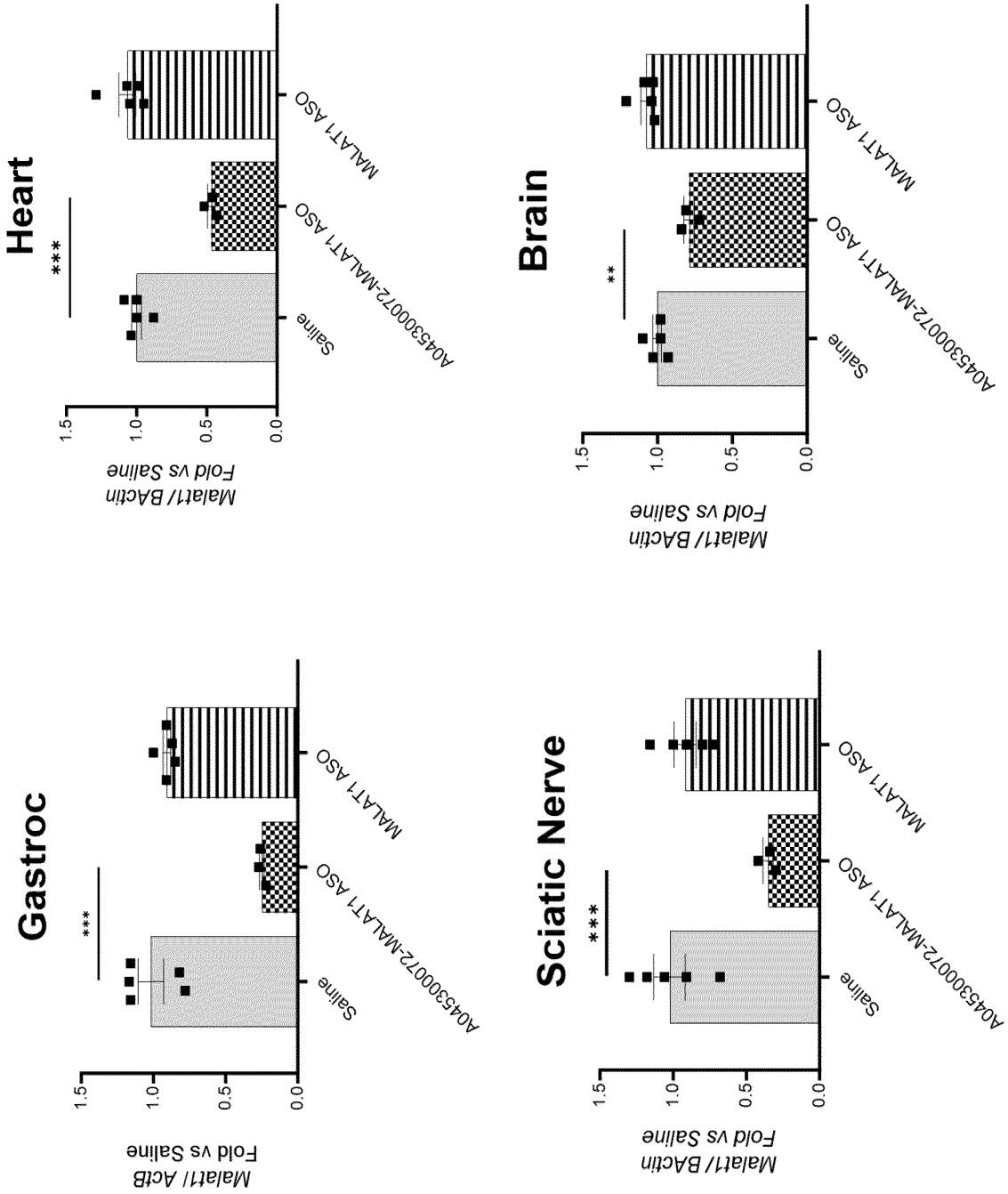

Heart
Malat1/ BActin
Fold vs Saline
***
Saline
A045300072-MALAT1 ASO
MALAT1 ASO
Brain
Malat1/ BActin
Fold vs Saline
**
Saline
A045300072-MALAT1 ASO
MALAT1 ASO
Gastroc
Malat1/ ActB
Fold vs Saline
***
Saline
A045300072-MALAT1 ASO
MALAT1 ASO
Sciatic Nerve
Malat1/ BActin
Fold vs Saline
***
Saline
A045300072-MALAT1 ASO
MALAT1 ASO

Figure 9

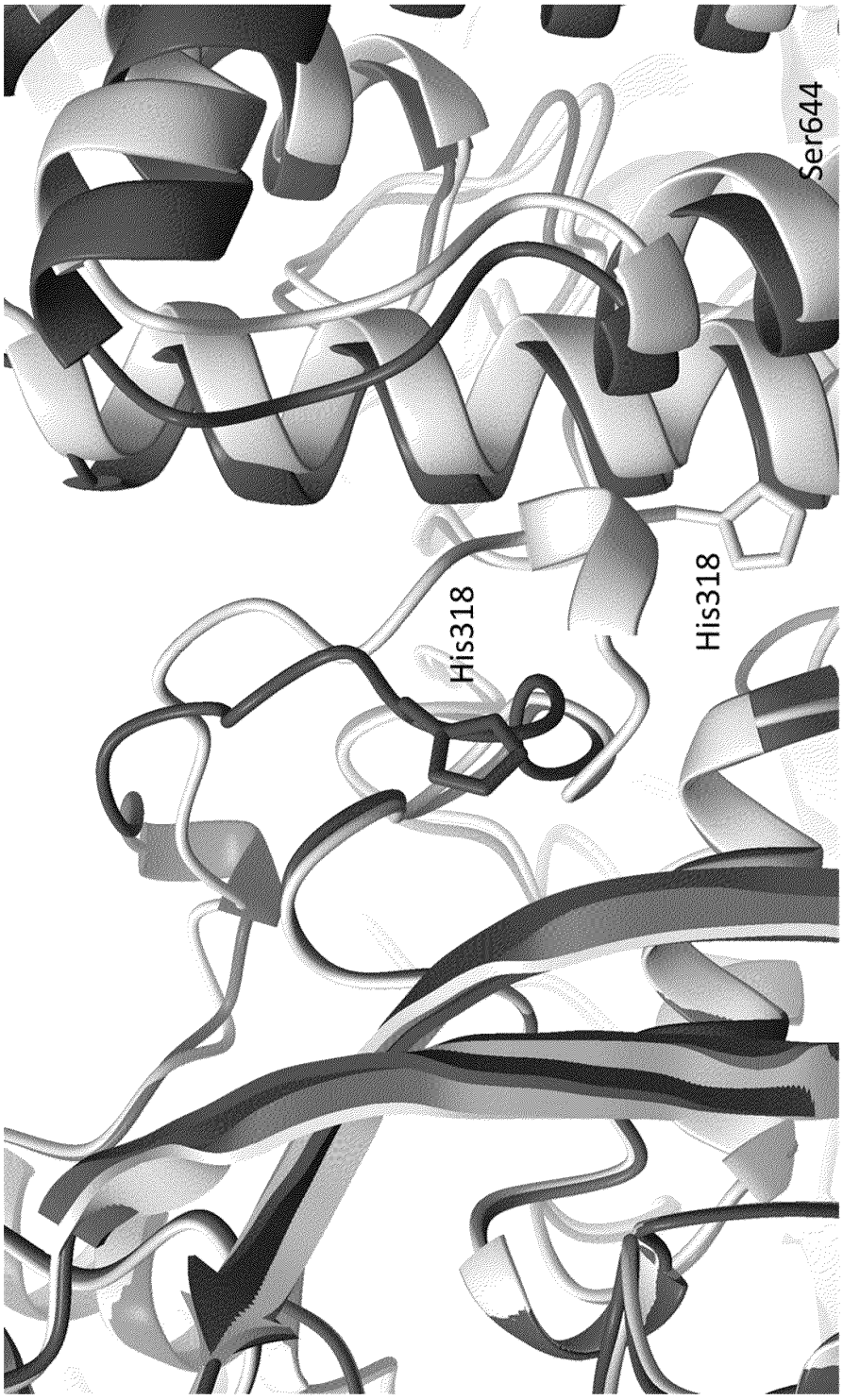


Figure 10A

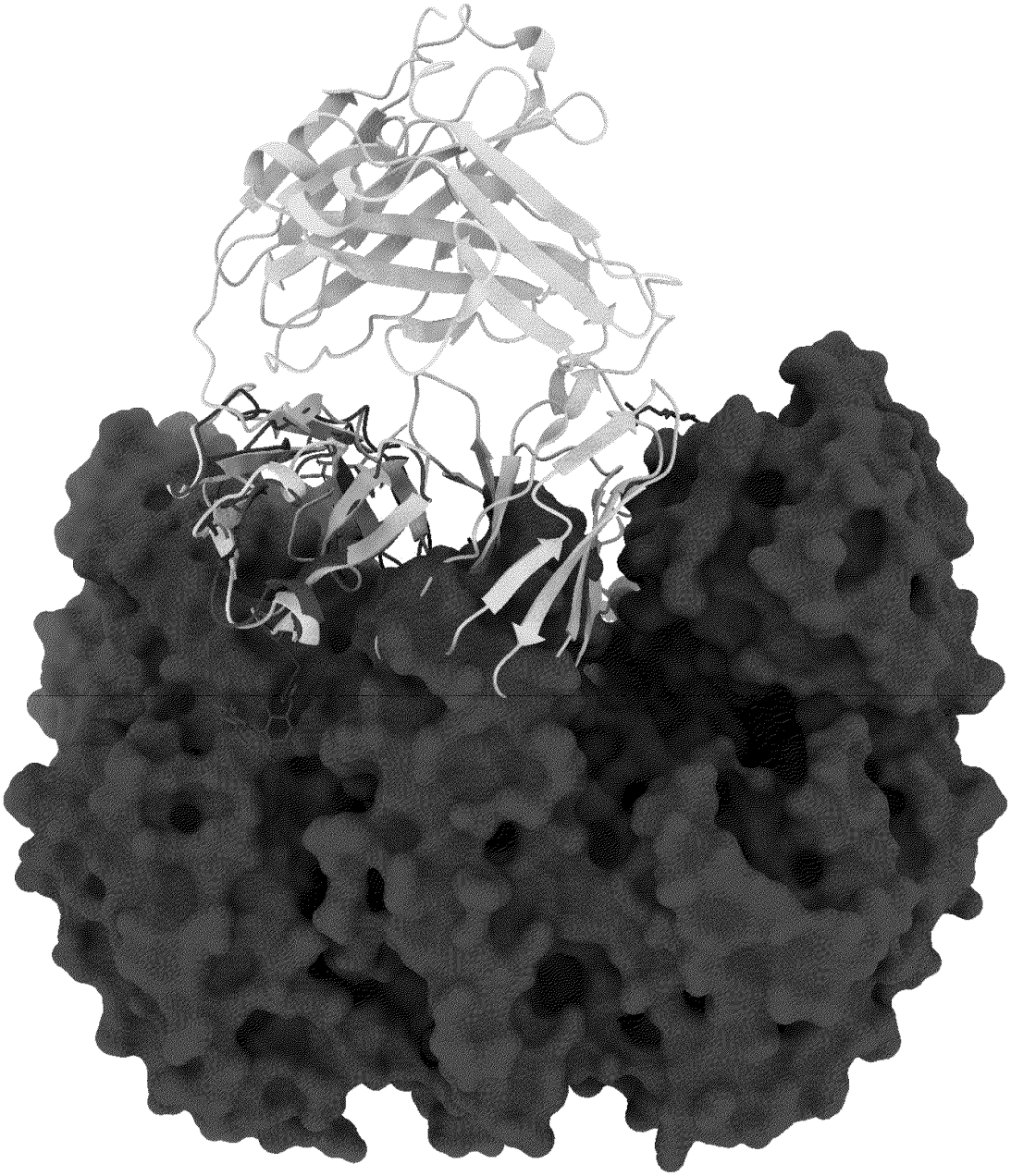


Figure 10B

