Figure 1

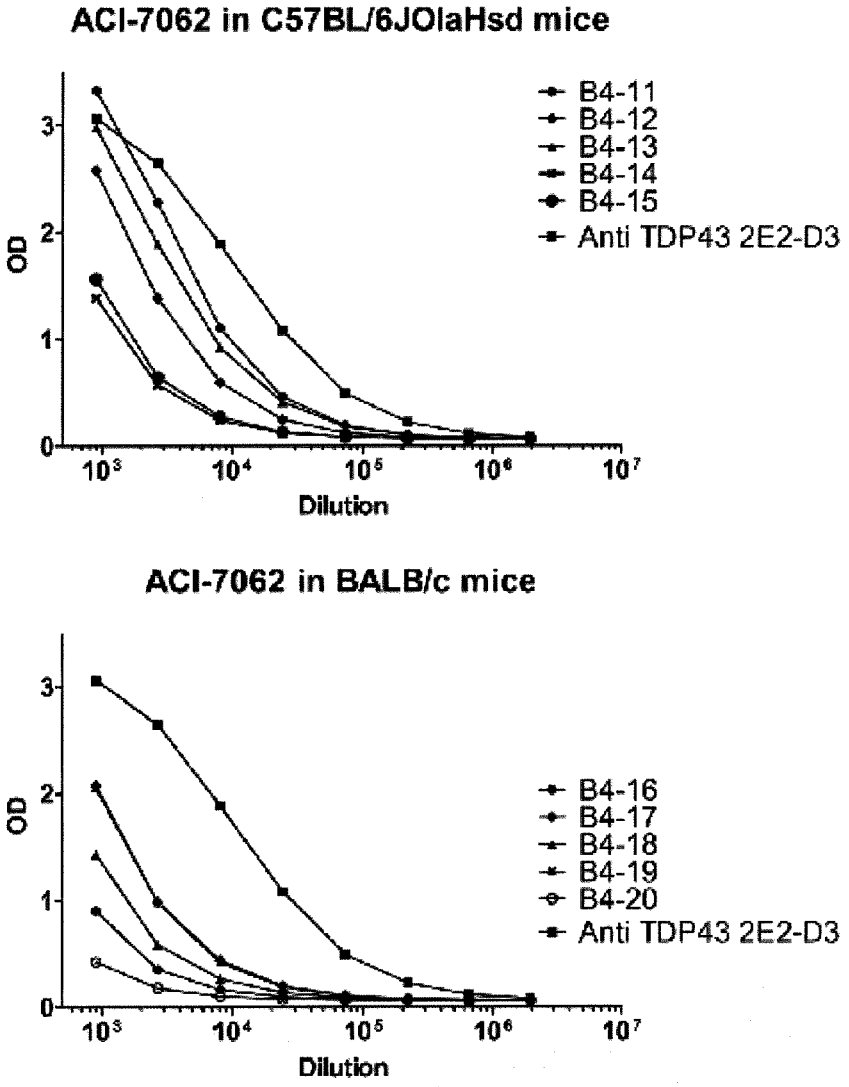

ACI-7062 in C57BL/6JOlaHsd mice
OD
Dilution
B4-11
B4-12
B4-13
B4-14
B4-15
Anti TDP43 2E2-D3
ACI-7062 in BALB/c mice
OD
Dilution
B4-16
B4-17
B4-18
B4-19
B4-20
Anti TDP43 2E2-D3

Figure 2

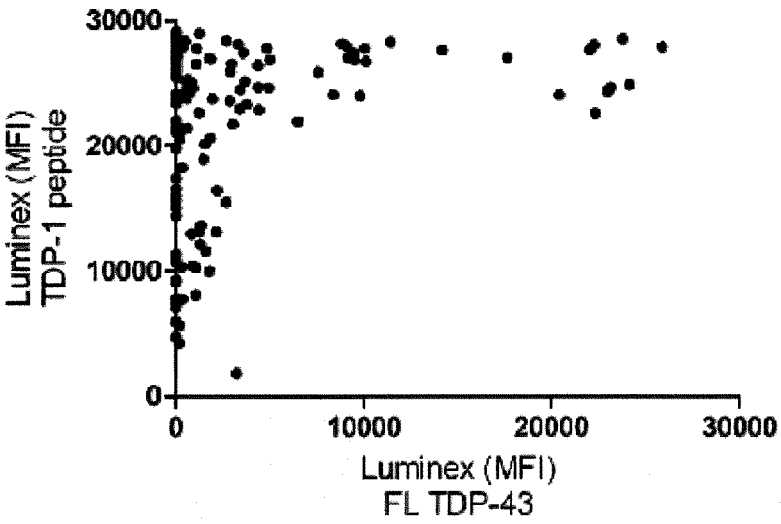

30000
20000
10000
0
Luminex (MFI)
TDP-1 peptide
0
10000
20000
30000
Luminex (MFI)
FL TDP-43

Figure 3

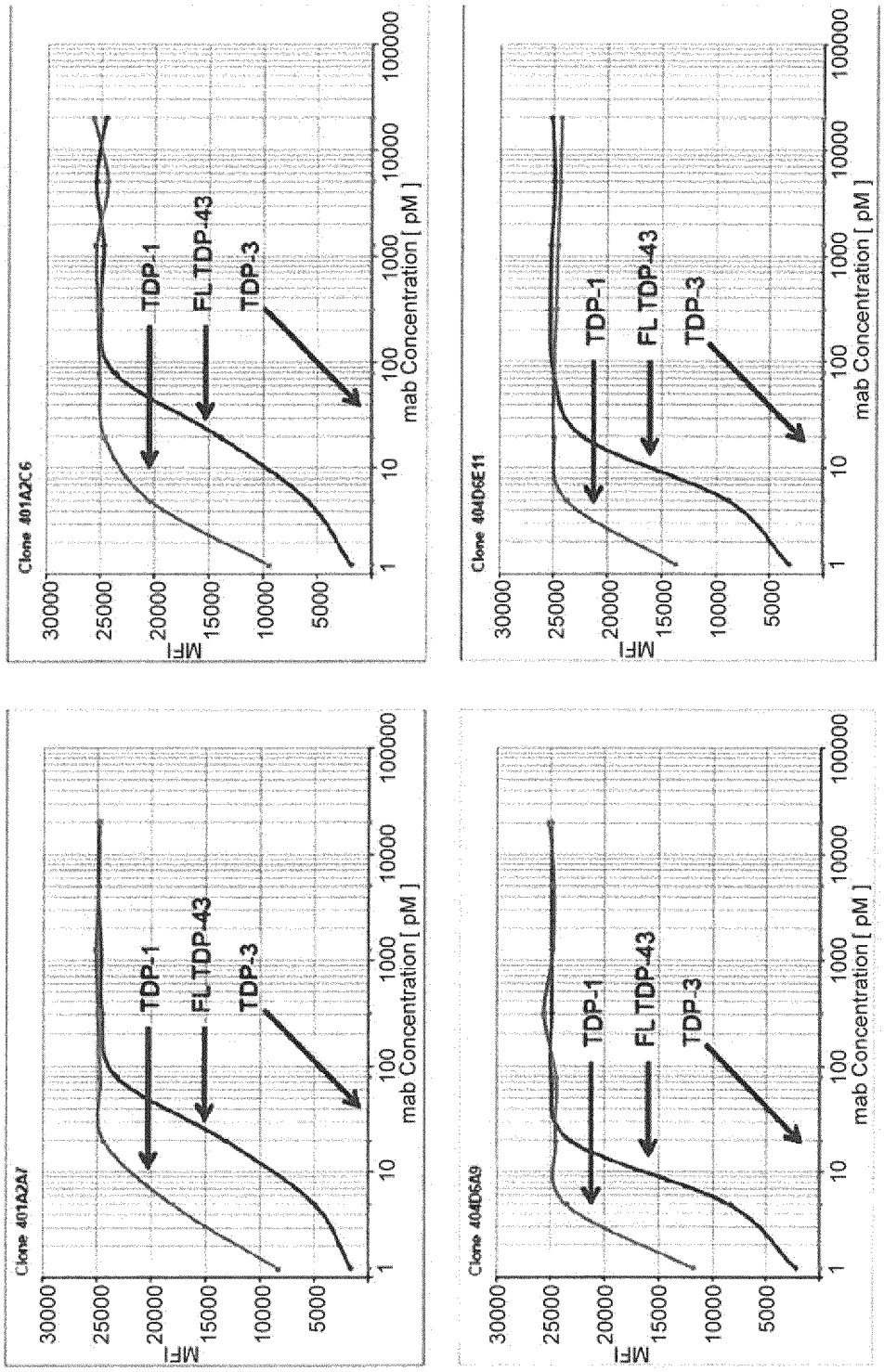

Clone 401A2C6
Clone 404D6E11
Clone 401A2A7
Clone 404D6A9
MFI
mab Concentration [pM]
TDP-1
FL TDP-43
TDP-3
30000
25000
20000
15000
10000
5000
1
10
100
1000
10000
100000

Figure 4

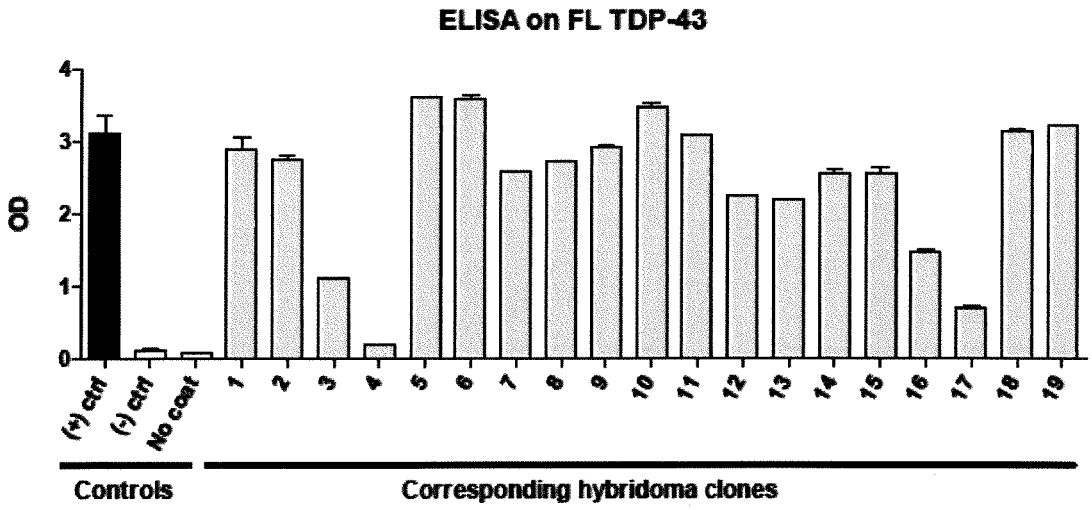
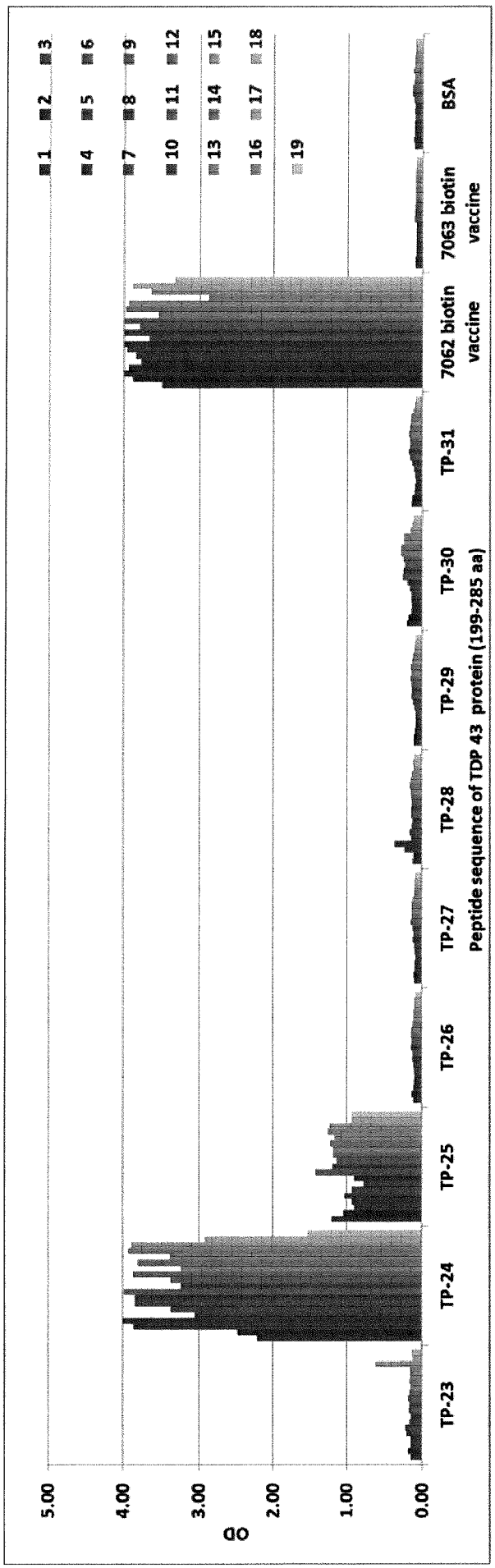

ELISA on FL TDP-43
OD
0
1
2
3
4
(+) ctrl
(-) ctrl
No coat
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
Controls
Corresponding hybridoma clones

Figure 5A


5.00
4.00
3.00
2.00
1.00
0.00
OD
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
TP-23
TP-24
TP-25
TP-26
TP-27
TP-28
TP-29
TP-30
TP-31
7062 biotin vaccine
7063 biotin vaccine
BSA
Peptide sequence of TDP 43 protein (199-285 aa)

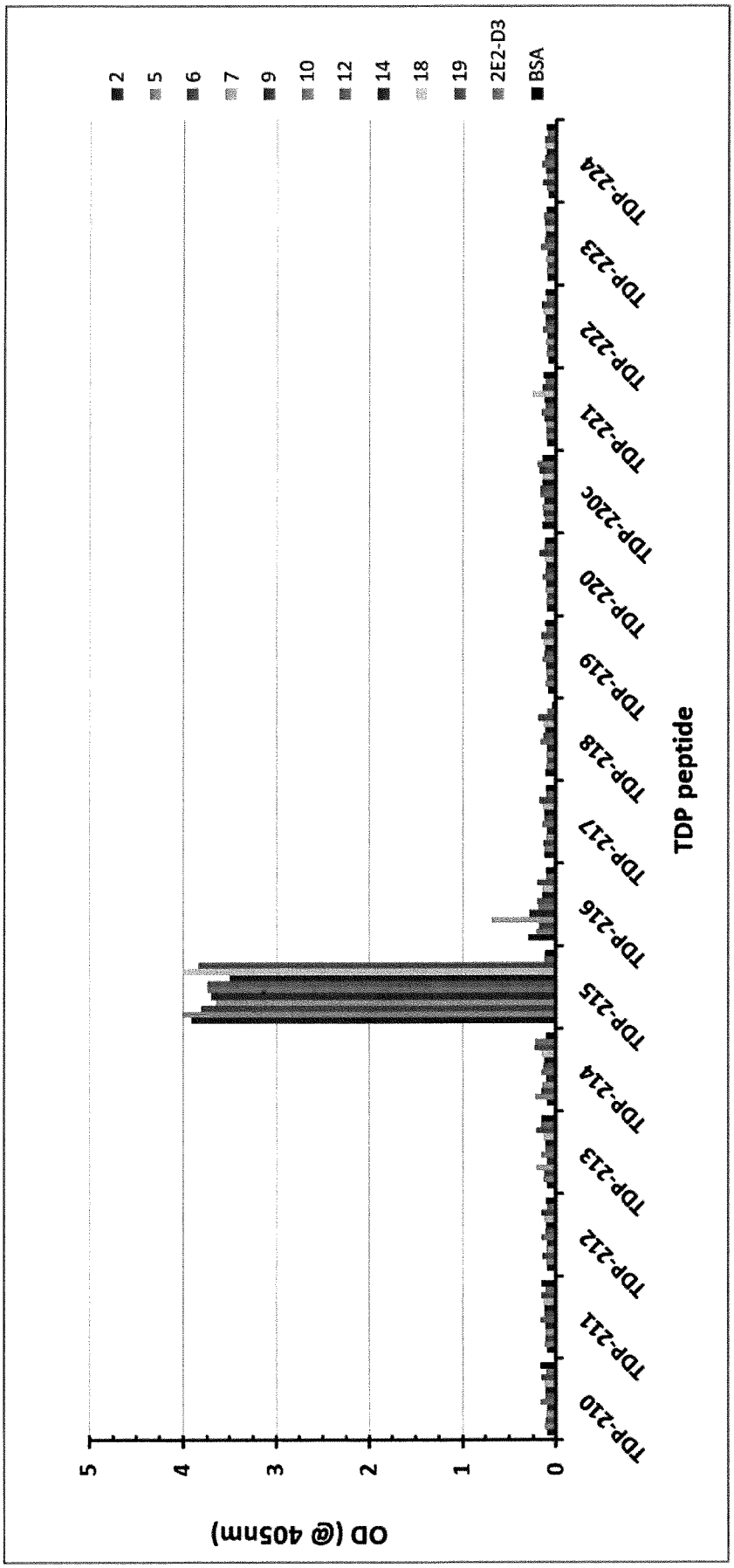

OD (@ 405nm)
0
1
2
3
4
5
TDP peptide
TDP-210
TDP-211
TDP-212
TDP-213
TDP-214
TDP-215
TDP-216
TDP-217
TDP-218
TDP-219
TDP-220
TDP-220c
TDP-221
TDP-222
TDP-223
TDP-224
BSA
2E2-D3
19
18
14
12
10
9
7
6
5
2

Figure 5B

Figure 6

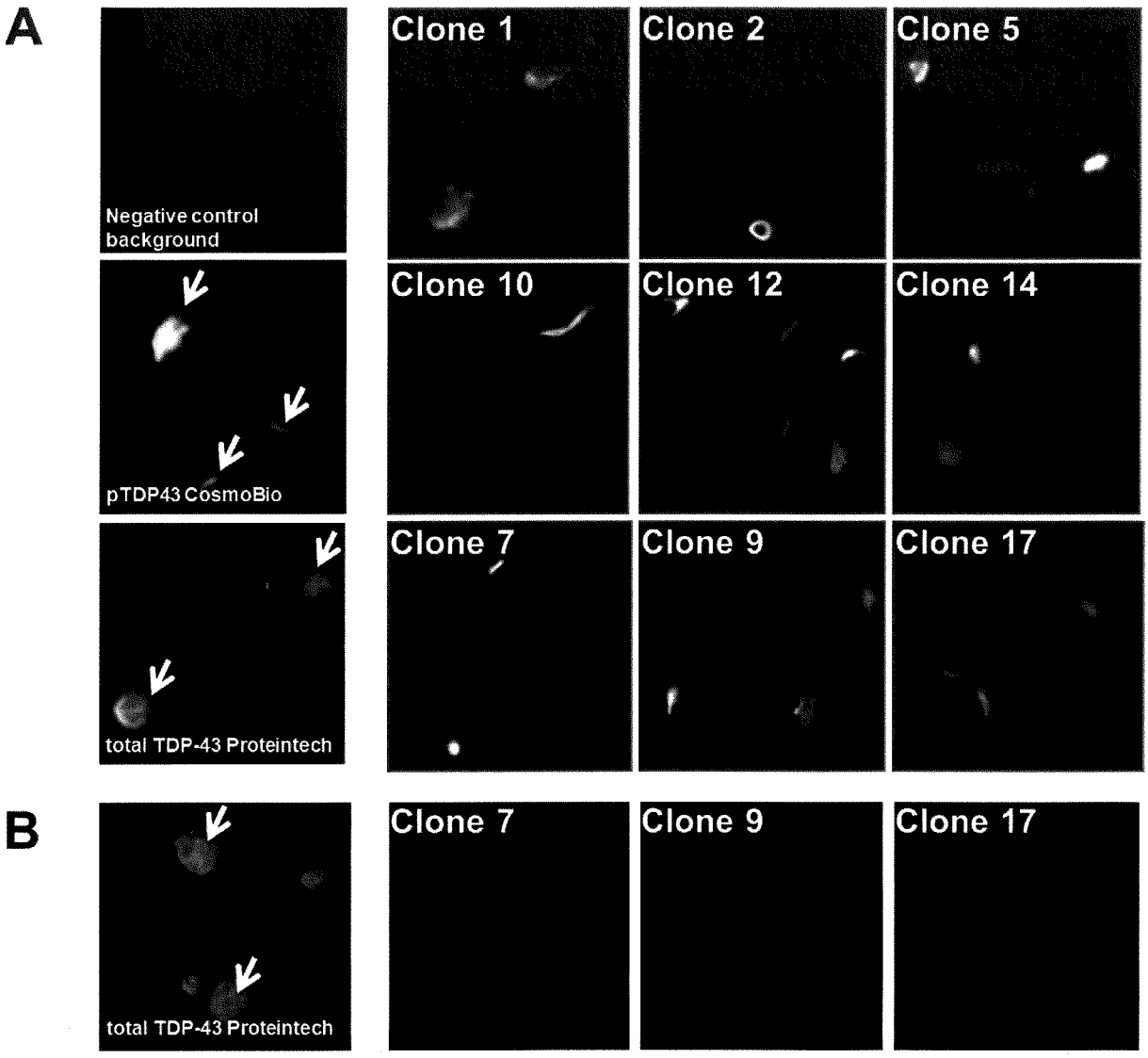
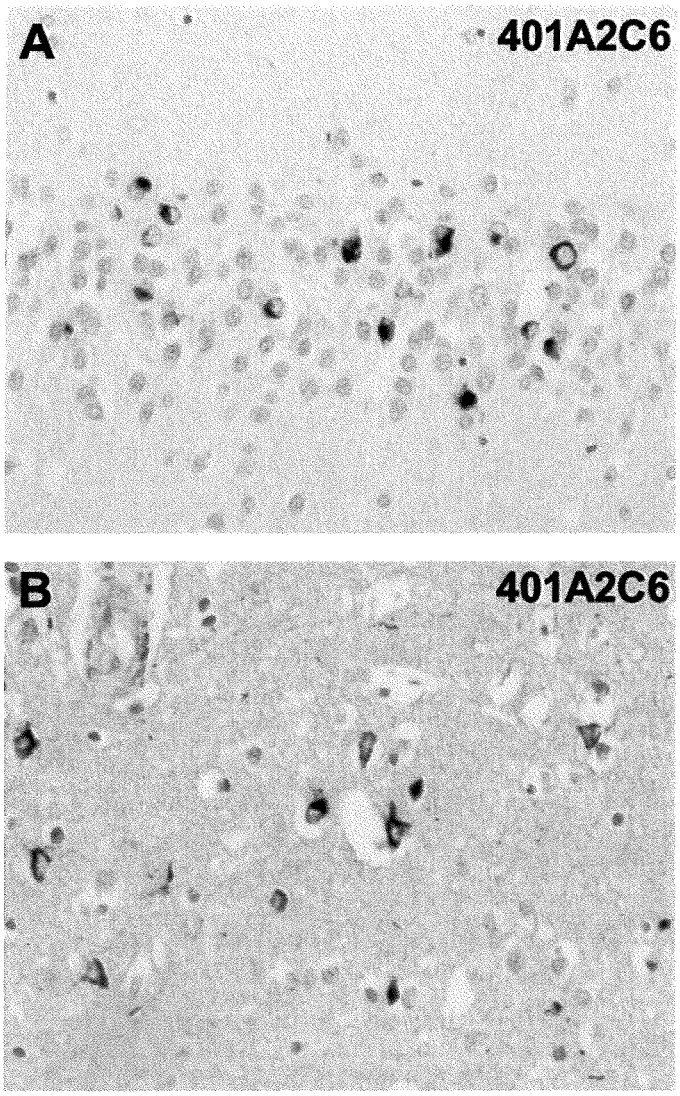
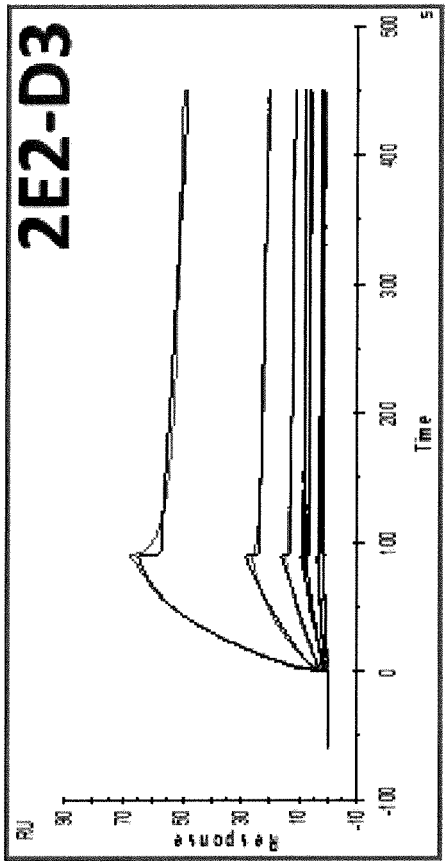

A
Negative control background
Clone 1
Clone 2
Clone 5
pTDP43 CosmoBio
Clone 10
Clone 12
Clone 14
total TDP-43 Proteintech
Clone 7
Clone 9
Clone 17
B
total TDP-43 Proteintech
Clone 7
Clone 9
Clone 17

Figure 7





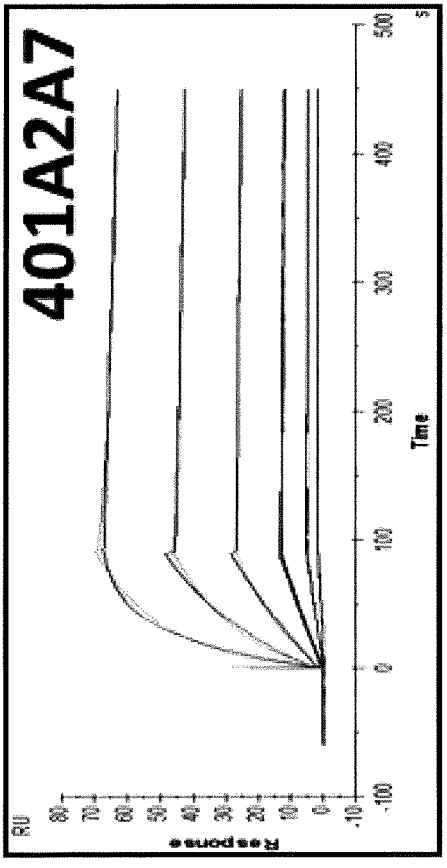
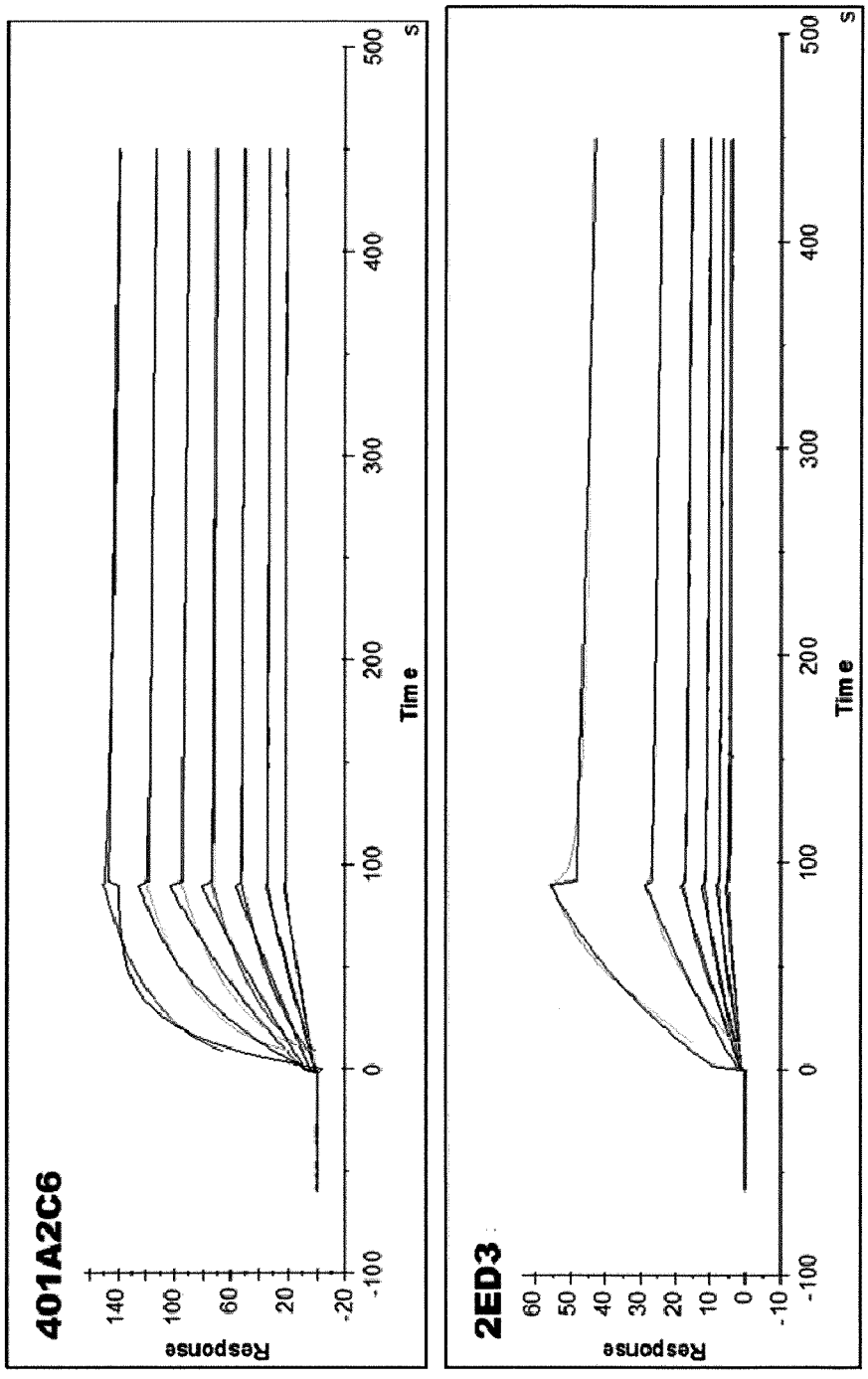


Figure 8A

Figure 8B


401A2C6
Response
140
100
60
20
-20
-100
0
100
200
300
400
500
Time
s
2ED3
Response
60
50
40
30
20
10
0
-10
-100
0
100
200
300
400
500
Time
s