Figure 1A-C

Fig. 1A

NI-205.3F10-VH(variable heavy chain sequence VH (SEQ ID NOS:1, 2))

```
FR1---------------------------CDR1----FR2----------CDR2-----
EVQLLESGGDLVQPGGSLRLSCAASGFTFSSQAMSWVRQAPGKGLEWVSALSRTGDYTWYAD
    V
---------------FR3-----------------------CDR3---------------JH-
SVRGRFTVSRDDSKNIFYLEMNSLRAEDTAVYYCAKNYYSSFGYNWAAFHIWGQGTMVTVSS
```

NI-205.3F10-VK(variable light chain sequence VK (SEQ ID NO:6))

```
FR1-----------------------CDR1----------FR2---------CDR2------
EIVLTQSPGTLSLSPGERATLSCRASQDVNNNYLAWYQQKPGQAPRLLIYGASRRATGVPDR
---FR3-----------------------CDR3--------JK----
FSGRGSGTDFTLTINRLEPEDFAMYFCQQYGGSPPYTFGQGTKLEIK
```

Fig. 1B

NI-205.51C1-VH (variable heavy chain sequence VH (SEQ ID NO:10))

```
FR1---------------------------CDR1------FR2---------CDR2---
EVQLVESGGGLVQPGGSLRISCTTSGFIFSDYWMHWVRQAPGKGLTWVSRINLDGSDTI
----------FR3-------------------------CDR3-----JH-------
YADSVKGRFTISRDNDKNTLYLQMNSLRVEDTAIYYCARSRKSVWGQGTMVTVSS
```

NI-205.51C1-VL (variable light chain sequence VL (SEQ ID NO:14))

```
FR1----------------------CDR1------------FR2-------CDR2-----
QSALTQPASVSGSPGQSITISCTGSNTDVGAYDYVSWSQQLPGKAPKFVIFDVDVRPSGIS
----FR3--------------------------CDR3--------JL---
DRFSGSKSGNTASLTISGLQAEDEADYYCSSYTKSGTLVFGGGTKVTVV
```

Fig. 1C

NI-205.21G2-VH (variable heavy chain sequence VH(SEQ ID NO:18))

```
FR1---------------------------CDR1----FR2---------CDR2---
QVQLVQSGAEVKKPGASVKVSCKTSGYSFTSYTLHWVRQAPGHRPEWMGWINAAFINT
------------FR3-----------------------CDR3-------JH------
KYSQKFQGRITLTRDTSANIAYLELRSLTTEDTAVYYCARRASGSNGLDVWGQGTTVTVSS
```

NI-205.21G2-VK (variable light chain sequence VK(SEQ ID NO:22)

```
FR1-----------------------CDR1--------FR2----------CDR2--
DIQMTQSPSSLSASVGDRITITCQASRDITNYLNWYQQKPGKAPKLLIYDASYLETG
FR3-------------------------CDR3--------JK---
VPSTFSGSGSGTHFTLTISSLQPDDFATYYCQQYDSVPLTFGGGTKVEIK
```

Figure 1D-F

Fig. 1D

NI-205.8A2-VH (variable heavy chain sequence VH (SEQ ID NOS:26, 27)

```
FR1---------------------------CDR1-----FR2--------CDR2--
QVQLVESGGGVVQPGKSLRLSCAASGFTFRDHGMHWVRQAPGKGLEWVAVIWLDGSS
E
------------FR3-----------------------------CDR3-----------JH--
RFYADSVEGRFTISRDNSKNTLYLQLTSLRAEDTAIYYCARDRVASEGTAFDVWGQGTMVTVSS
                                                          T
```

NI-205.8A2-VK (variable light chain sequence VK (SEQ ID NO:31))

```
FR1-----------------------CDR1---------FR2--------CDR2-----
EIVLTQSPATLSLSPGERATLSCWASQNVNHYLVWYQQRPGQAPRLLLYDTSVRAAGIP
-----FR3-------------------------CDR3-----JK--
ARFIGSGSGTHFTLTISSLEPEDSAVYYCQHRSDWTFGQGTKVEIK
```

Fig. 1E

NI-205.15F12-VH (variable heavy chain sequence VH(SEQ ID NO:35, 36))

```
FR1---------------------------CDR1-----FR2------CDR2--
QVQLVQSGTAVKKPGASVKVSCKASGFSFNGYYMHWVRQAPGQGLEWMGVINPNGG
E   E
-------------FR3-----------------------------CDR3--------JH----
STNYAQKFKGRITMSADTPARSVSMELGSLRSDDTAMYYCARLPVNIEVLDLWGQGTLVTVSS
```

NI-205.15F12-VK (variable light chain sequence VK (SEQ ID NOS:40,41))

```
FR1---------------------------CDR1-------------FR2------CDR2
DIVMTQSPDSLAVSLGERATINCRSSQTVLFSSNDKNYLAWYQQKPGQPPKLLIYWASV
E  L
------FR3-----------------------------CDR3-------JK----
RASGVPDRFSGSGSGTDFSLTINGLQAEDVAVYYCQQSSTAPLTFGGGTKVEIK
```

Fig. 1F

NI-205.113C4-VH (variable heavy chain sequence VH (SEQ ID NO:45))

```
FR1---------------------------CDR1-----FR2---------CDR2--
QVQLVQSGAEVKKPGASVKVSCKASGYTFTNYYMHWVRQAPGQGLEWMGIINPSGGR
-------------FR3-------------------------------CDR3-------
TSYAQKFQGRASMTRDTSTSTVYMEVISLRSEDTAVYYCARQRPSGYSGYGPSESYGNP
------------JH----
TDDAFDVWGQGTTVTVSS
```

NI-205.113C4-VL (variable light chain sequence VL (SEQ ID NO:49))

```
FR1-----------------------CDR1----------FR2-------CDR2---FR3
SYVLTQPPSVSVAPGQTARITCGGNNIGSRGVHWYQQRPGQAPVLVVYDDSDRPSGIPE
--------------------------------CDR3----------JL--
RFSGSNSGDTATLTISRVEVGDEADYYCQVWDNSSDHLVVFGGGTKLTVL
```

Figure 1G-I

Fig. 1G

NI-205.25F3-VH (variable heavy chain sequence VH (SEQ ID NOS:53,129))

```
FR1--------------------------CDR1-----FR2--------CDR2---
QVQLVESGGGVVQPGRSLRLSCAASGFTFSNYVMYWVRQAPGKGLEWVAFISYDGSNK
E
----------FR3--------------------------------CDR3-------
YYPDSVKGRFTISRDNSMNTLYLQMDSLRAEDTAVYYCARDTYQYDSSTYYPYFYYYG
--------JH----
MDVWGQGTTVTVSS
```

NI-205.25F3-VL (variable light chain sequence VL (SEQ ID NO:57))

```
FR1----------------------CDR1----------FR2-------CDR2-----
QSALTQPASVSGSPGQSITISCIGTSSDVGGYNYVSWYQQHPGKAPKLMIYEVSNRPSGV
----FR3----------------------CDR3--------JL------
SSRFSGSKSGNTASLTISGLQSEDEADYYCSSFASSSTSVTFGGGTKLTVL
```

Fig. 1H

NI-205.87E7-VH (variable heavy chain sequence VH (SEQ ID NO:61))

```
FR1--------------------------CDR1----FR2--------CDR2-----
EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVSAISGGGDRT
-------------FR3--------------------------------CDR3------
YSADSVKGRFTISRDNSKNTLYLQINSLRVEDTAVYYCAQGGGGEMTAVTMDGTYYG
------JH------
MDVWGQGTTVTVSS
```

NI-205.87E7-VL (variable light chain sequence VL (SEQ ID NO:65))

```
FR1----------------------CDR1-----------FR2------CDR2----
QSALTQPRSVSGSPGQSITISCTGTSSNVGTYKFVSWYQQHPGKAPKLMIYDVTKRPSGV
-FR3----------------------------CDR3--------JL---
PDRFSGSKSGNTASLTISGLQAEDEADYYCCSYAGSYTYVFGSGTKVTVL
```

Fig. 1I

NI-205.21G1-VH (variable heavy chain sequence VH (SEQ ID NO:69))

```
FR1--------------------------CDR1-----FR2--------CDR2---
QVQLVESGGGVVQPGMSLRLSCAASGFSFSSHGMHWVRQTPGKGLEWLAVISYDASNK
----------FR3--------------------------CDR3--------JH----
SYADSVKGRFTISRDNSKKTLYLQMDSLRVEDTALYYCANAFSSSASGGYWGQGTLVTVSS
```

NI-205.21G1-VK: (variable light chain sequence VK(SEQ ID NO:73))

```
FR1----------------------CDR1------------FR2-------CDR2-
DVVMTQSPLSLPVTLGQPASISCRSSQSLVHSDGVTYLNWFQQRPGQSPRRLIYKVSNRD
FR3----------------------------CDR3---------JK--
SGVPDRFSGSGSGTDFTLEISRVEAEDVGIYYCMQGTHWPPWTFGQGTKVEIK
```

Figure 1J-K

Fig. 1J

NI-205.68G5-VH (variable heavy chain sequence VH (SEQ ID NOS:77,78))

```
FR1----------------------------CDR1----FR2---------CDR2---
QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAIIYYDSSQR
E
------------FR3-------------------------------CDR3--------
YYADSVKGRFTISRDNSKNALYLQMNSLRAEDTALYYCARDLPFHYHRSASFAPSDTW
JH--------
GQGTLVTVSS
```

NI-205.68G5-VK (variable light chain sequence VK(SEQ ID NOS:82,83))

```
FR1------------------------CDR1----------FR2-------CDR2-----
EIVLTQSPGTLSLSPGERATLSCRASQAVTNNYLAWYQQKPGQAPRLLVYAASSRATGIP
   M
FR3----------------------------CDR3---------JK--
RFYGSGSGADFTLTISRLEPEDFAVYYCQQYGTSPITFGQGTRLEIK
```

Fig. 1K

NI-205.20A1-VH (variable heavy chain sequence VH (SEQ ID NO:87))

```
FR1----------------------------CDR1---FR2-----------CDR2---
EVQLVESGGGLVQPGGSLRLSCAASGFTFSSYRMNWVRQAPGKGLEWVSYISTSSSTIY
----------FR3-----------------------CDR3-----JH----
YADSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARAFDYWGQGTLVTVSS
```

NI-205.20A1-VK (variable light chain sequence VK (SEQ ID NO:122))

```
FR1------------------------CDR1---------FR2--------CDR2---FR3
EIVLTQSPGTLSLSPGERATLSCRASQSVSSSYLAWYQQKPGQAPRLLIYGASSRATGIPD
-------------------------------CDR3-------JK----
RFSGSGSGTDFTLTIIRLEPEDFAVYYCQQYGSSPFTFGQGTKVEIK
```

Figure 2A-F

Fig. 2A

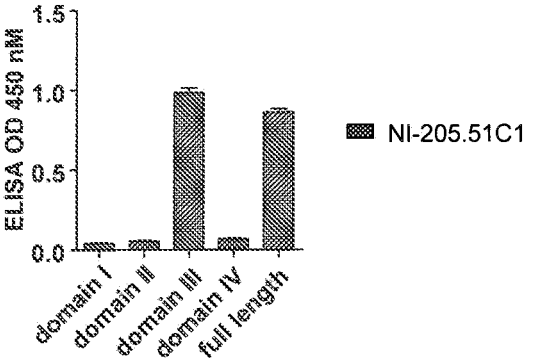


Fig. 2B

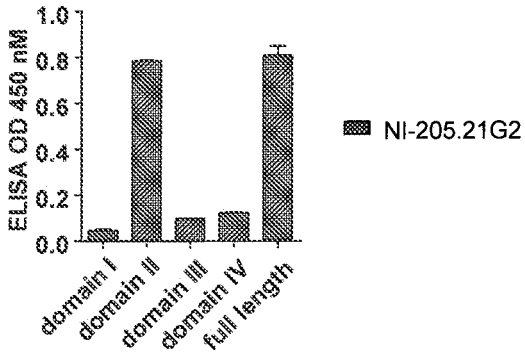


Fig. 2C

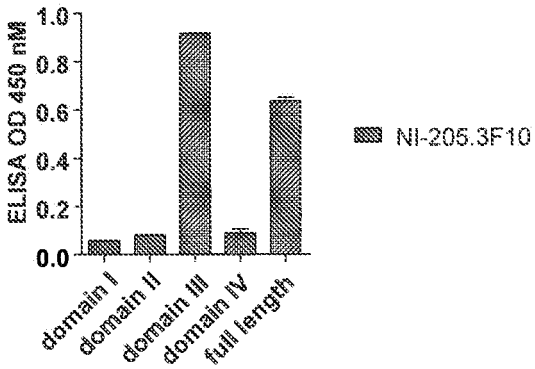


Fig. 2D

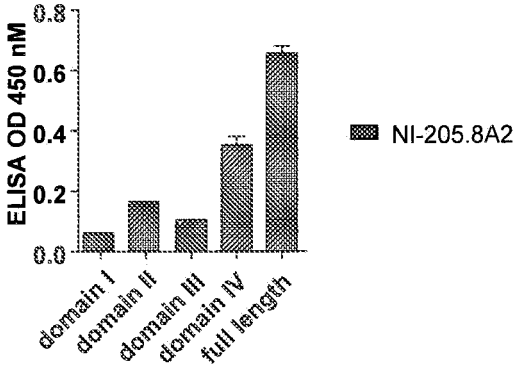


Fig. 2E

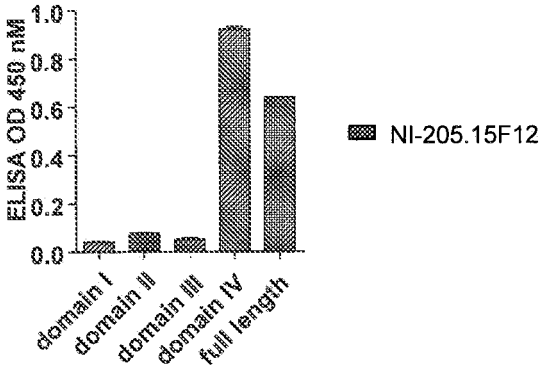


Fig. 2F

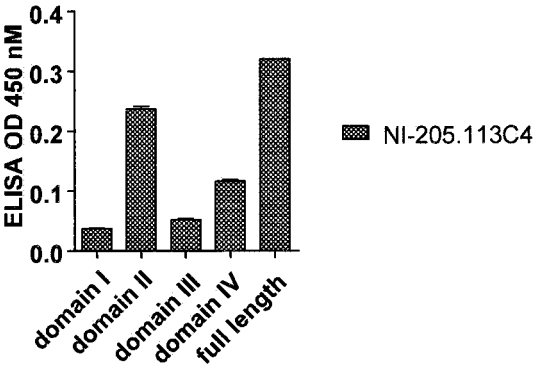


Figure 2G-J

Fig. 2G

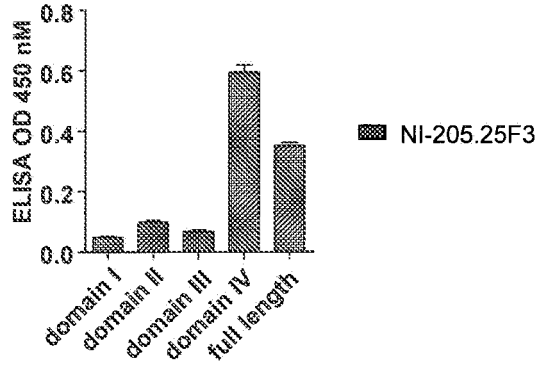


Fig. 2H

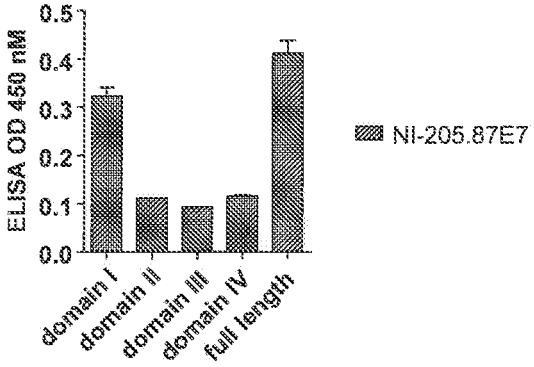


Fig. 2I

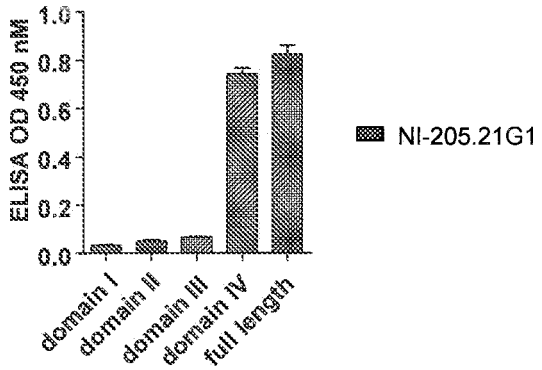


Fig. 2J

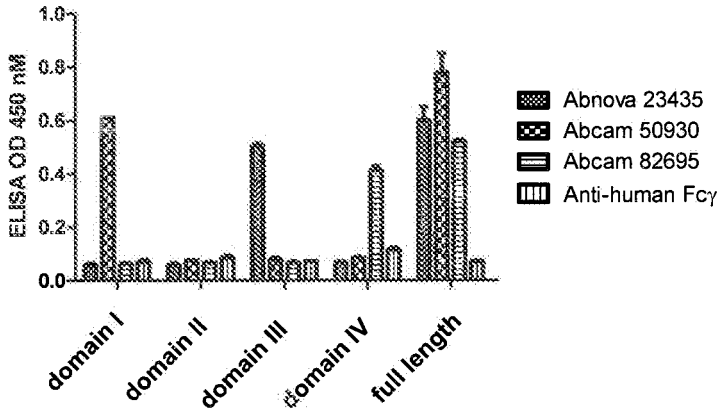


Figure 3A-C

Fig. 3A

NI-205.41D1-VH (SEQ ID NO:130):

EVQLVESGGGLVQPGGSLRLSCAASGFTFSTYYMSWVRQAPGKGLEWVANIKQDGSEKYYVDSVKGRFTIS
RDNARNSLYLQMHSLRAEDTAVYYCASPPGWWGQGTLVTVSS

NI-205.41D1-VK (SEQ ID NO:134):

DIVMTQTPLSLSVTPGQPASISCKSSQSLLHSDGKTYLYWYLQKPGQPPQLLIYEVSNRFSGVPDRFSGSGSG
TDFTLKISRVEAEDVGVYYCMQSIQLPVTFGGGTKVEIK

Fig. 3B

NI-205.29E11-VH (SEQ ID NO:138):

QVQLVQSGAEVKKPGASVKVSCKASGYIFTDYFIHWIRQAPGQGLEWMGWIKPKSGGTDYAEKFQGRVTL
TRDTSITTVYMELSRLNSDDTAVYYCARLKYSVPDSDYWGQGTLVTVSS

NI-205.29E11-VK (SEQ ID NO:142):

DVVMTQSPLSLPVTLGQSASISCRSSQGLVHSDGNTYLNWFHQRPGQSPRRLIYKVFNRDSGVSDRFSGSGS
GSDFTLMISRVEAEDVGIYYCMQGTLWPLTFGQGTKVEIK

Fig. 3C

NI-205. 9E12-VH (SEQ ID NO:146):

EVQLVESGGGLVKPGGSLRLSCATSGFNFSNVWISWVRQAPGKGLEWVGRIKSKNDGGTTEYAAPVKGRF
TISRDDSKNTVYLQMNSLKTEDAGVYYCTTDPYHYFDMGGPGFGPWGQGTLVTVSS

NI-205. 9E12A-VK (SEQ ID NO:150):

DIVMTQSPDSLAVSLGERATINCKSGQSVLYRSNNRNYIAWYQQKPGQPPKLLIYWASTRESGVPDRFSGSG
SGTDFTLTISSLQAEDVAVYYCQQYYSNRWTFGQGTKVEIK

NI-205. 9E12D-VK (SEQ ID NO:151):

DIVMTQSPDSLAVSLGERATINCKSSQSVSYSSNNKNFLSWYQQKPGQPPKLLIYWASTRESGVPDRFSGSG
SGTDFTLTISSLQAEDVAVYYCQQYSSLPISFGQGTRLEIK

Figure 3D-F

Fig. 3D

NI-205.98H6-VH (SEQ ID NO:155):

EVQLLESGGALVQPGGSLRLSCAASGLTFSRHAFSWVRQAPGKGLEWVAISSGSGGNTYYAASVKGRFTISR
DESKNTLYLQMNSLRVEDTALYYCAKEVLEWSLLSRYMDVWGKGTTVTVSS

NI-205.98H6-VL (SEQ ID NO:159):

QSVLTQPPSASGTPGQRVTISCSGSSSNIGGNTVNWYHQLPGTAPKLLVYSTNQRPSGVPDRFSGSKSGTSA
SLAISGLQAEDEADYYCATWDDSLNGWVFGGGTKLTVL

Fig. 3E

NI-205.10D3-VH (SEQ ID NO:163):

QVQLQESGPGLVKPSETLSLTCTVSGGSITDYYWSWIRQPPGKGLEWIGYIHDSGTTRYNPSLTSRLSMSLDT
STNQVSLRLTSVTAADTAVYYCAKVPDYWGQGTLVTVSS

NI-205.10D3-VK (SEQ ID NO:167):

DIVMTQSPDSLAVSLGERATINCKSSQSVLYNSDNKNYLAWLQQKPGQPPKVLIYWASTREFGVPDRFSGS
GSGTDFTLTISSLQAEDVAVYYCHQYYSVPFTFGGGTKVEIK

Fig. 3F

NI-205.44B2-VH (SEQ ID NO:171):

QVQLQESGPGVVKPSQTLSLTCTVSGVSVGSGDYYWSWIRHHPGKGLEWIGYISFFGSSNYNPSLKGRVSM
SVDTSNNQFSLNLKSVTAADTAVYFCATGNAYSFWGQGTMVTVSS

NI-205.44B2-VL (SEQ ID NO:175):

QSALTQPASVSGSPGQSITISCTGTSSDIGTHNLVSWYQQHPGKAPKLIIYEIFERPSGISSRFTGSKSGNTASLT
ISGLQAEDEADYFCCAYSVTVIFGGGTKLTVL

Figure 3G-I

Fig. 3G

NI-205.38H2-VH (SEQ ID NO:179):

EVQLVESGGDLVQPGGSLRLSCTASGFNLGDYWMHWVRQVPGKGLVWVSRISSDGASVSYADFVEGRFTI
SRGNARNTLFLELNSLRLDDTAVYYCAMGVVWGQGTLVTVSS

NI-205.38H2-VL (SEQ ID NO:183):

SYELTQPPSVSVSPGQTATISCSGDALPKRYAYWYKQKSGQVPVLIIYEDNKRPSGIPARFSGSSSGTMATLTI
TGAQVDDEADYYCYSSDNSDTYSVFGGGTKLTVL

Fig. 3H

NI-205.36D5-VH (SEQ ID NO:187):

QVQLVESGGGVVQPGRSLRLSCAASRFTFSSYGMHWVRQAPGKGLEWVALIYYDATQKYYADSVKGRFTIS
RDNSKNALYLQMTSLRADDTAVYYCARDLPYHYHRSASFAPADTWGQGTLVTVSS

NI-205.36D5-VK (SEQ ID NO:191):

EIVLTQSPGTLSLSPGERATLSCRASQTISNNYLAWYQQKPGQAPRLLVYAASSRATGIPDRFYGSGSGADFTL
TISRLEPEDFVVYYCQQYGSSPITFGQGTRLEIK

Fig. 3I

NI-205. 58E11-VH (SEQ ID NO:195):

EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYSMSWVRQAPGKGLEWVATVGYGGTIYYADSVKGRFTISR
DNSKNTLYLEMNSLRAEATAVYYCAKANYGGNRFGLDVWGQGTTVTVSS

NI-205. 58E11-VL (SEQ ID NO:199):

QSALTQPPSASGSPGQSVTISCTGTSSDVGGYNYVSWYQHQPGKAPKLMIYEVSKRPSGVPDRFSGSKSGN
TASLTVSGLQAEDEADYYCSSYAGSNNLGVFGTGTEVTVL

Figure 3J-L

Fig. 3J

NI-205. 14H5-VH (SEQ ID NO:203):

EVQLLESGGGLVQPGGSLRLSCAASGFTFRNYAMAWVRQAPGKGLEWVSAIPARGDKTYYADSVRGRFTIS
RDISKSALYLQMNSLRVEDTAVYYCAKAHHLYNKNFDYWGQGTLVTVSS

NI-205. 14H5-VK (SEQ ID NO:207):

EIVLTQSPGTLSLSPGETVTLSCRASQSVSSSNLAWYQQKPGQAPRLLIYGASSRATGIPDRFSGRGSGTDFTL
TISRLEPEDFAVYYCQHYGTFGQGTKVDIK

Fig. 3K

NI-205. 31D2-VH (SEQ ID NO:211):

EVQLLESGGGSVQPGGSLRLSCAASGFTFSTYVMSWVRQAPGKGLEWVSAISRRGGSTYYADSVKGRFTISR
DNSKNTLYLQMNSLRAEDTAVYYCAKDRWLTGRTGGVFDIWGQGTMVTVSS

NI-205. 31D2-VK (SEQ ID NO:215):

DIQMTQSPSSLSASVGDRVTITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPSRFSGSGSGTDFTF
TISSLQPEDTATYYCQQYDNLPLTFGGGTKVEIK

Fig. 3L

NI-205. 8F8-VH (SEQ ID NO:219):

EVQLLESGGGLVQPGGSLRLSCAASGYTFSYYAMSWVRQAPGKGLEWVSTIGDSGSTTHYADSVKGRFTISR
DNSKSTLYLQMNSLRAEDTAVYYCAKGLGPVAAIGDYWGQGTLVTVSS

NI-205. 8F8-VL (SEQ ID NO:223):

QSVLTQPPSASGTPGQRVTISCSGSSSNIGSNNVYWYQQLPGTAPKLLVYRNNQRPSGVPDRVSGSKSGSSA
SLAISGLRSEDEADYYCAAWDDSLRGYVFGTGTKVTVL

Figure 3M-O

Fig. 3M

NI-205.31C11 VH (SEQ ID NO:227):

QVQLVESGGGVVQPGRSLRLSCVASGFTFDNYGMHWVRQAPGKGLEWLAVISYGGDHQFYGDSVKDRFT
ISRDNSKNTAYLQMHSLRPDDTAVYYCATGVTPDFWGQGTLVTVSS

NI-205.31C11 VK (SEQ ID NO:231):

DVVMTQSPLSLPVTLGQPASISCRSSQSLVHSDGNTYLNWFQQRPGQSPRRLIYKVSHRDSGVPDRFSGSGS
GTDFTLKISRVEAEDVGVYYCLQGTHWPPFTFGQGTKLEIK

Fig. 3N

NI-205.8C10 VH (SEQ ID NO:235):

EVQLVESGGGLVNPGGSLRLSCTASGFSFSTYSMNWVRQAPGKGLEWVSLITSSGSYIYYADSVKGRFTISRD
DAKNSLYLQMNSLRAEDTAVYYCANMLAAAGSHYFHYWGQGTLVTVSS

NI-205.8C10 VK (SEQ ID NO:239):

DIVMTQTPLSSPVTLGQPASISCRSSQSLVHSDGNTYLSWLQQRPGQPPRLLIYKISERFSGVPDRFSGSGAG
TDFTLKISRVEAEDVGVYYCMQVTQFPITFGQGTRLEIK

Fig. 3O

NI-205.10H7 VH (SEQ ID NO:243):

QVQLVESGGGVVQPGRSLRLSCAASGFTFSNYAMHWVRQAPGKGLEWVAVIWYDGSKKYYGDSVKGRFT
ISRDNPKNTLYLQMNSLRVEDTAIYYCVPDAFDMWGQGTMVTVSS

NI-205.10H7 VK (SEQ ID NO:247):

DIVMTQTPLSSPVTLGQPASISCRSSQSLVHTDGKTYLSWLHQRPGQPPRPLIYKMSKRFSGVPDRFSGSGA
ETEFTLKISRVEAEDVGIYYCLQLTQFPITFGQGTRLEIK

Figure 3P-R

Fig. 3P

NI-205.1A9 VH (SEQ ID NO:251):

QVQLVQSGSELKKPGASVKVSCKASGYTFTSYAMNWVRQAPGQGLEWMGWINTNTGNPTYAQGFTGRF
VFSLDTSVSTAYLQISSLKAEDTAVYYCARDRIDGSSWSSWFDPWGQGTLVTVSS

NI-205.1A9 VL (SEQ ID NO:255):

QSVLTQPPSVSGAPGQRVTISCTGSSSNIGAGYDVHWYQQLPGTAPKLLIYGNSNRPSGVPDRFSGSKSGTS
ASLAITGLQAEDEADYYCQSFDSSLSSSVFGGGTKLTVL

Fig. 3Q

NI-205.14W3 VH (SEQ ID NO:259):

QVQLVQSGSELKKPGASVKVSCKASGYPVNNYAINWVRQAPGQGLEWMGFINTNTGIPTYAQGFTGRFVF
SLDTSVNTAYLQISGLKADDTAVYYCARVGIVGVIVFDYWGQGTLVTVSS

NI-205.14W3 VK (SEQ ID NO:263):

DVVMTQSPDSLAVSLGERATINCKSSQSVLSSSKNKNHLAWYQQKPGQPPKLLIYWASTRESGYWASTRES
GVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSPSVTFGGGTKVEIK

Fig. 3R

NI-205.19G5 VH (SEQ ID NO:267):

QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAIIYYDSSQRYYADSVKGRFTIS
RDNSKNALYLQMNSLRAEDTALYYCARDLPFHYHRSASFAPSDTWGQGTLVTVSS

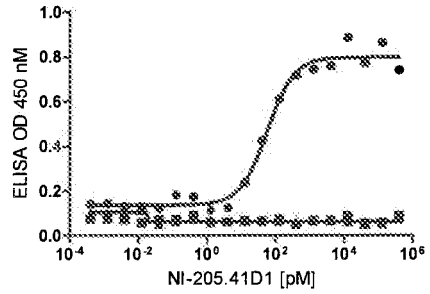
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EIVLTQSPGTLSLSPGERATLSCRASQAVTNNYLAWYQQKPGQAPRLLVYAASSRATGIPDRFYGSGSGADFT
LTISRLEPEDFAVYYCQQYGTSPITFGQGTRLEIK

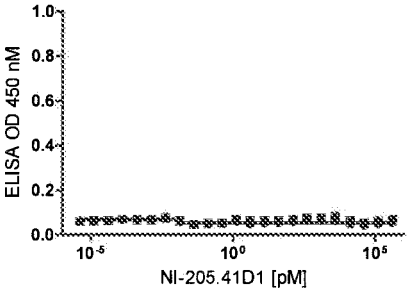
Figure 4A, B, E and F

Determination of binding affinity (EC_{50}) for human TDP-43

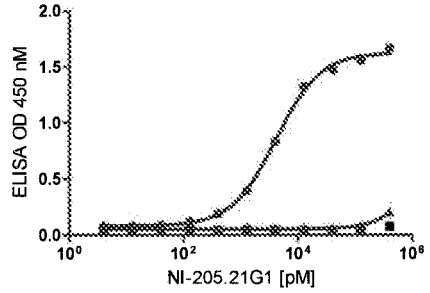
A)



E)



B)



F)

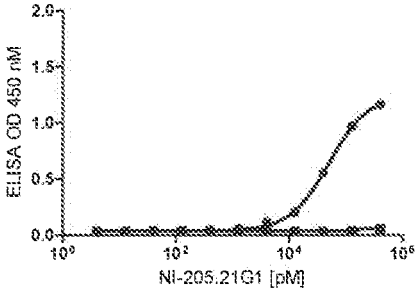
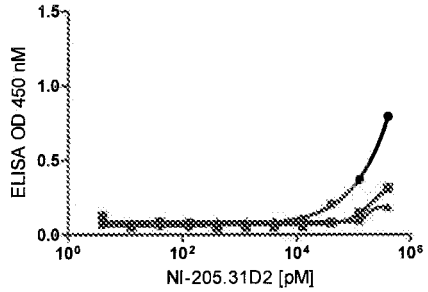


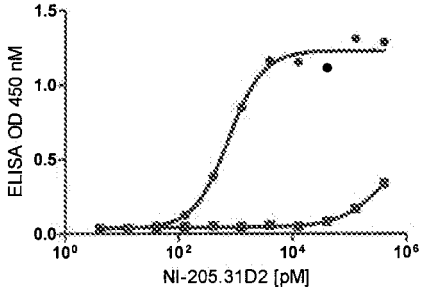
Figure 4C, D, G, and H

Determination of binding affinity (EC_{50}) for human TDP-43

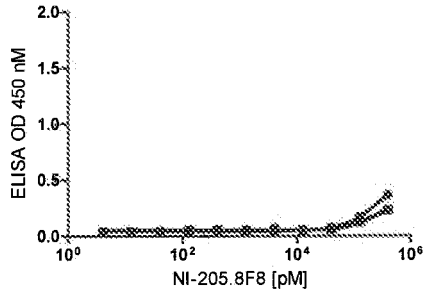
C)



G)



D)



H)

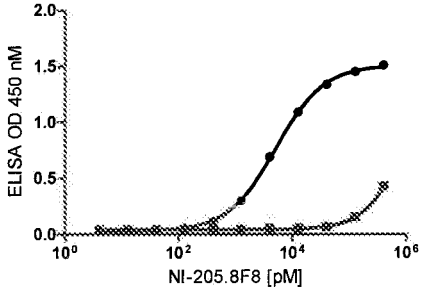


Figure 5A-I

Binding to distinct TDP-43 domains

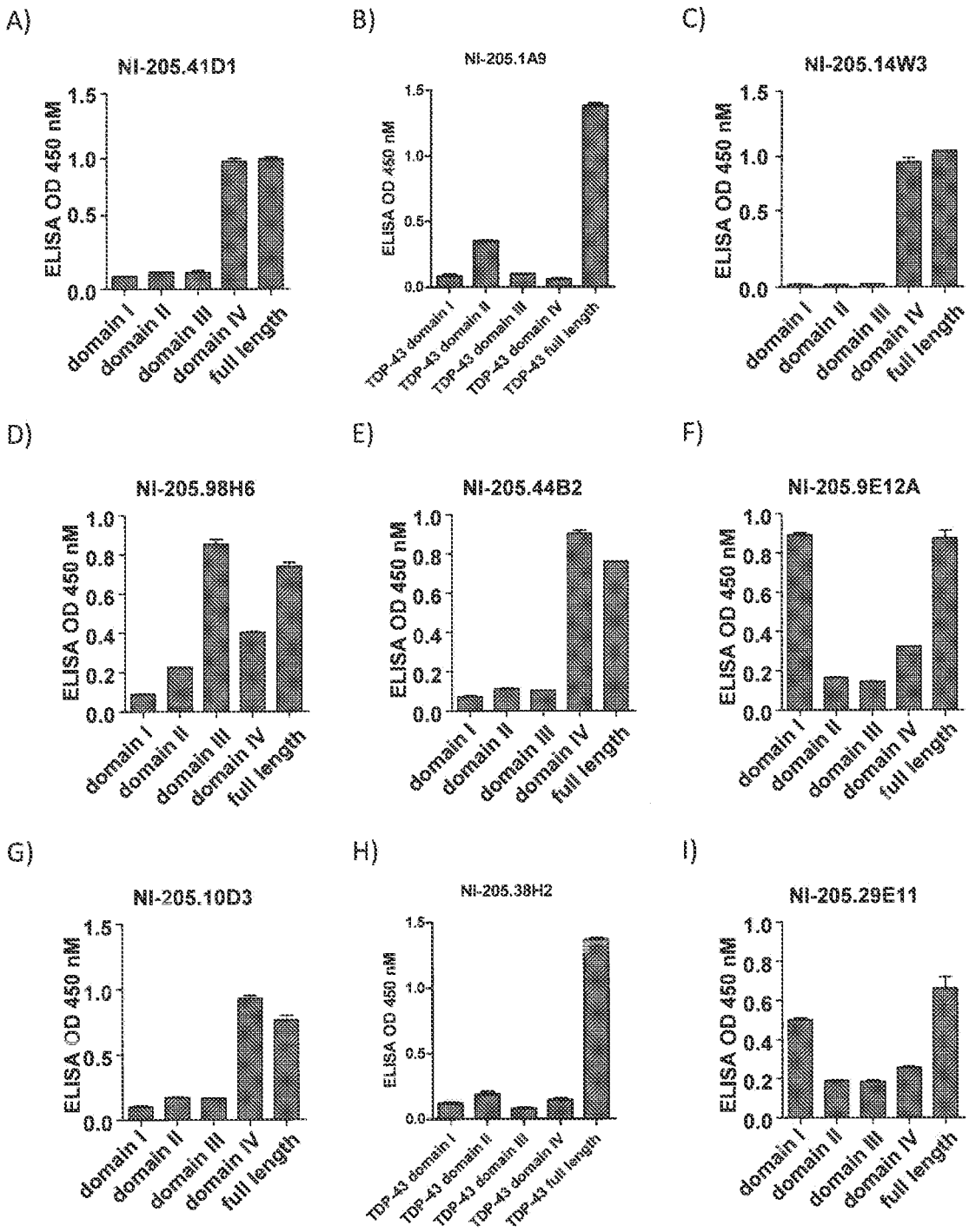
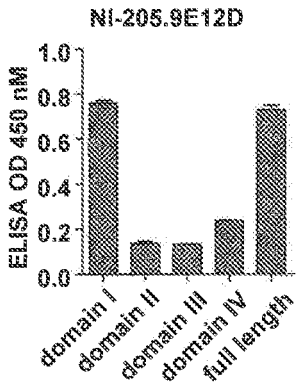


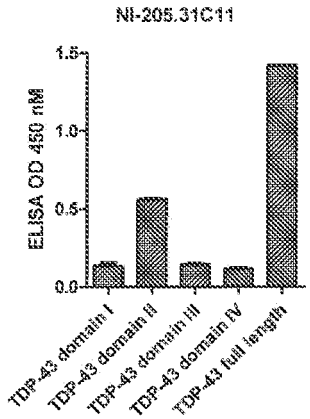
Figure 5J-M

Binding to distinct TDP-43 domains

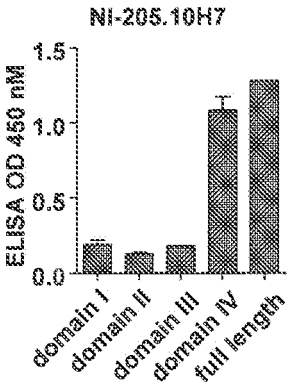
J)



K)



L)



M)

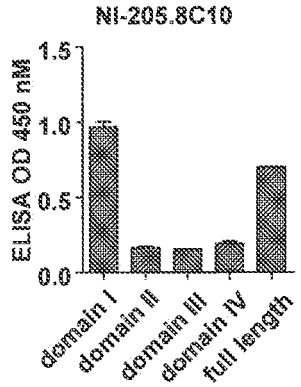
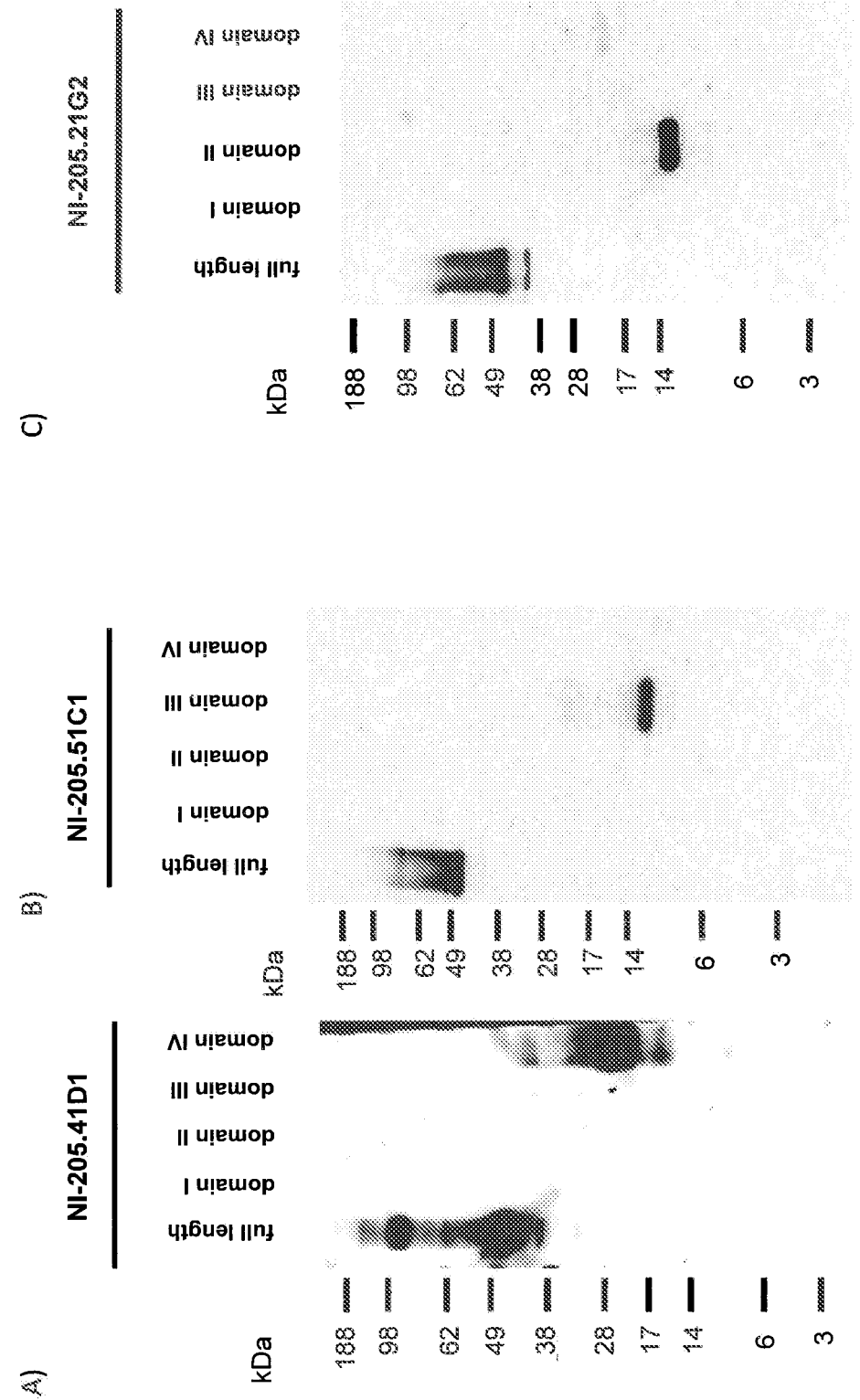
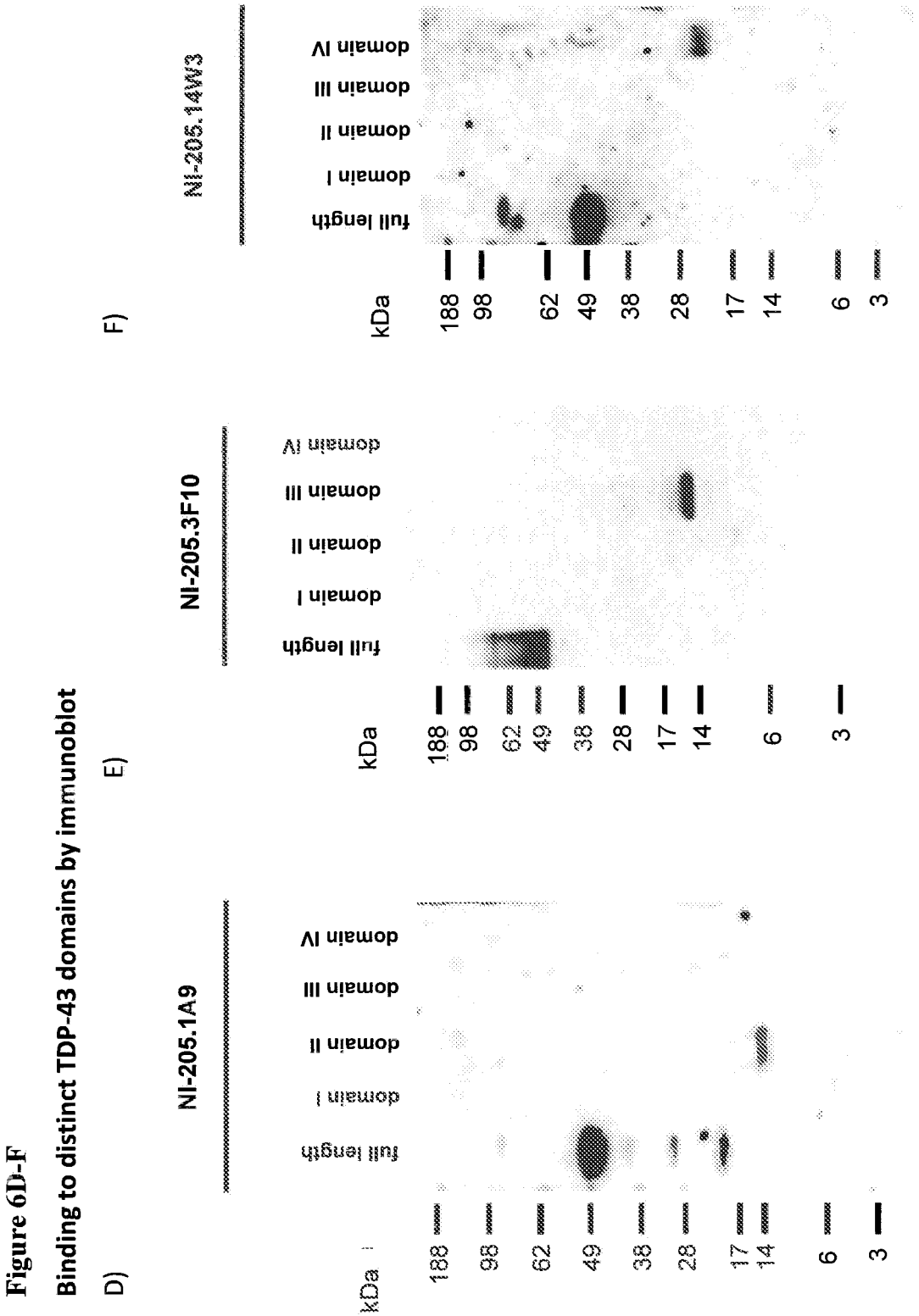
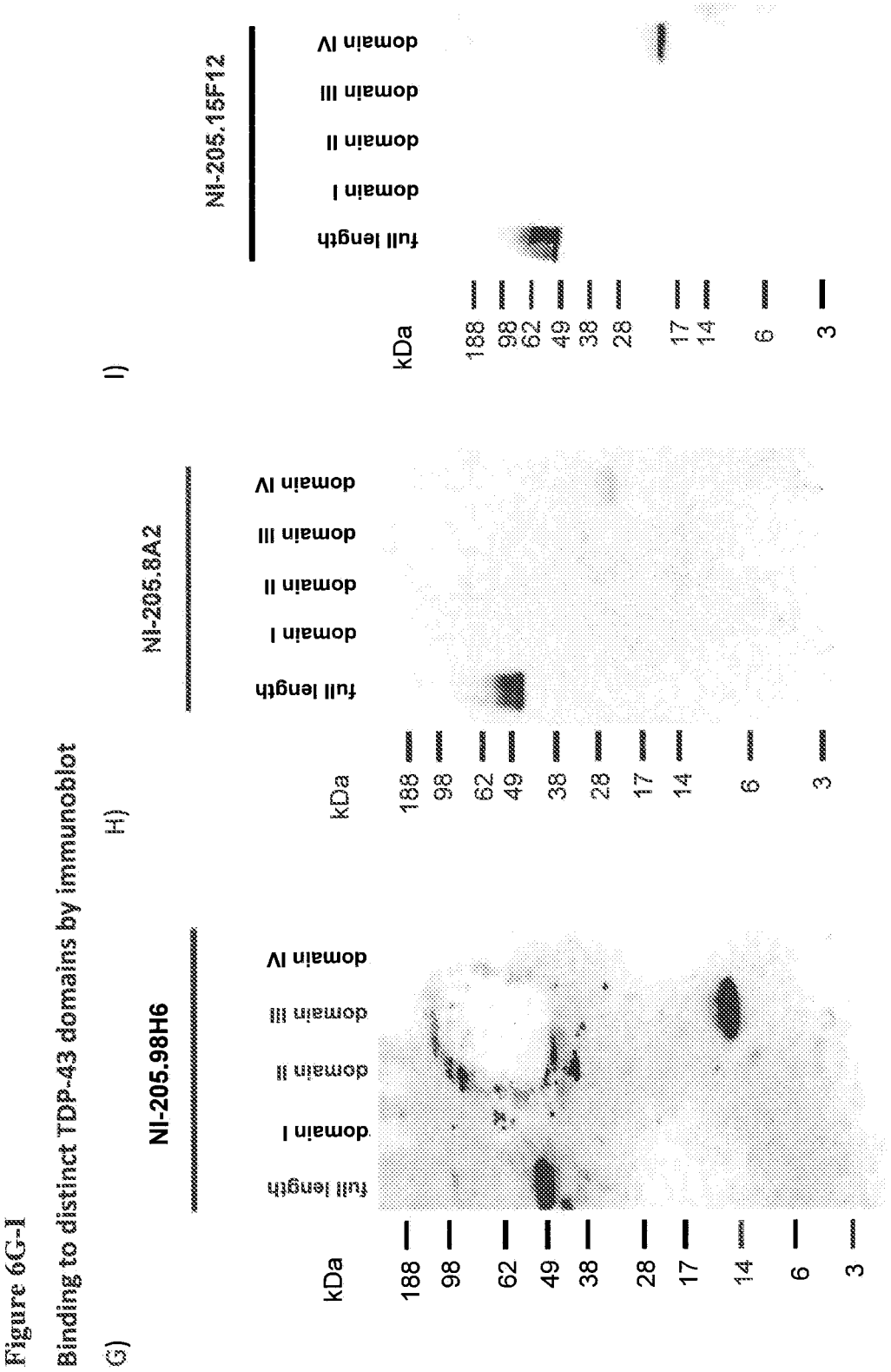


Figure 6A-C

Binding to distinct TDP-43 domains by immunoblot




Figure 6D-F
Binding to distinct TDP-43 domains by immunoblot
D)
NI-205.1A9
E)
NI-205.3F10
F)
NI-205.14W3
kDa
188
98
62
49
38
28
17
14
6
3
full length
domain I
domain II
domain III
domain IV


Figure 6G-I
Binding to distinct TDP-43 domains by immunoblot
G)
NI-205.98H6
full length
domain I
domain II
domain III
domain IV
kDa
188
98
62
49
38
28
17
14
6
3
H)
NI-205.8A2
full length
domain I
domain II
domain III
domain IV
kDa
188
98
62
49
38
28
17
14
6
3
I)
NI-205.15F12
full length
domain I
domain II
domain III
domain IV
kDa
188
98
62
49
38
28
17
14
6
3

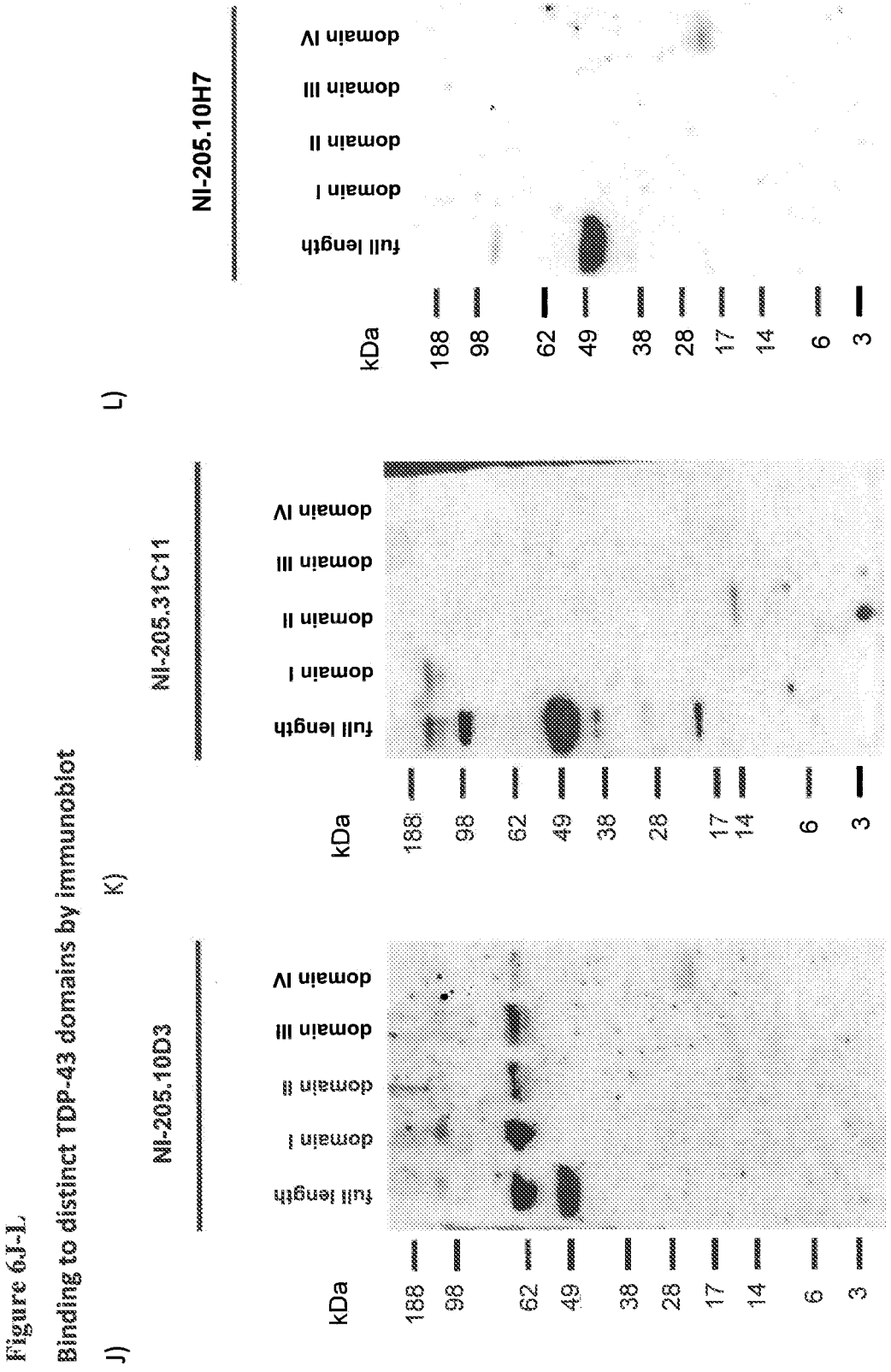
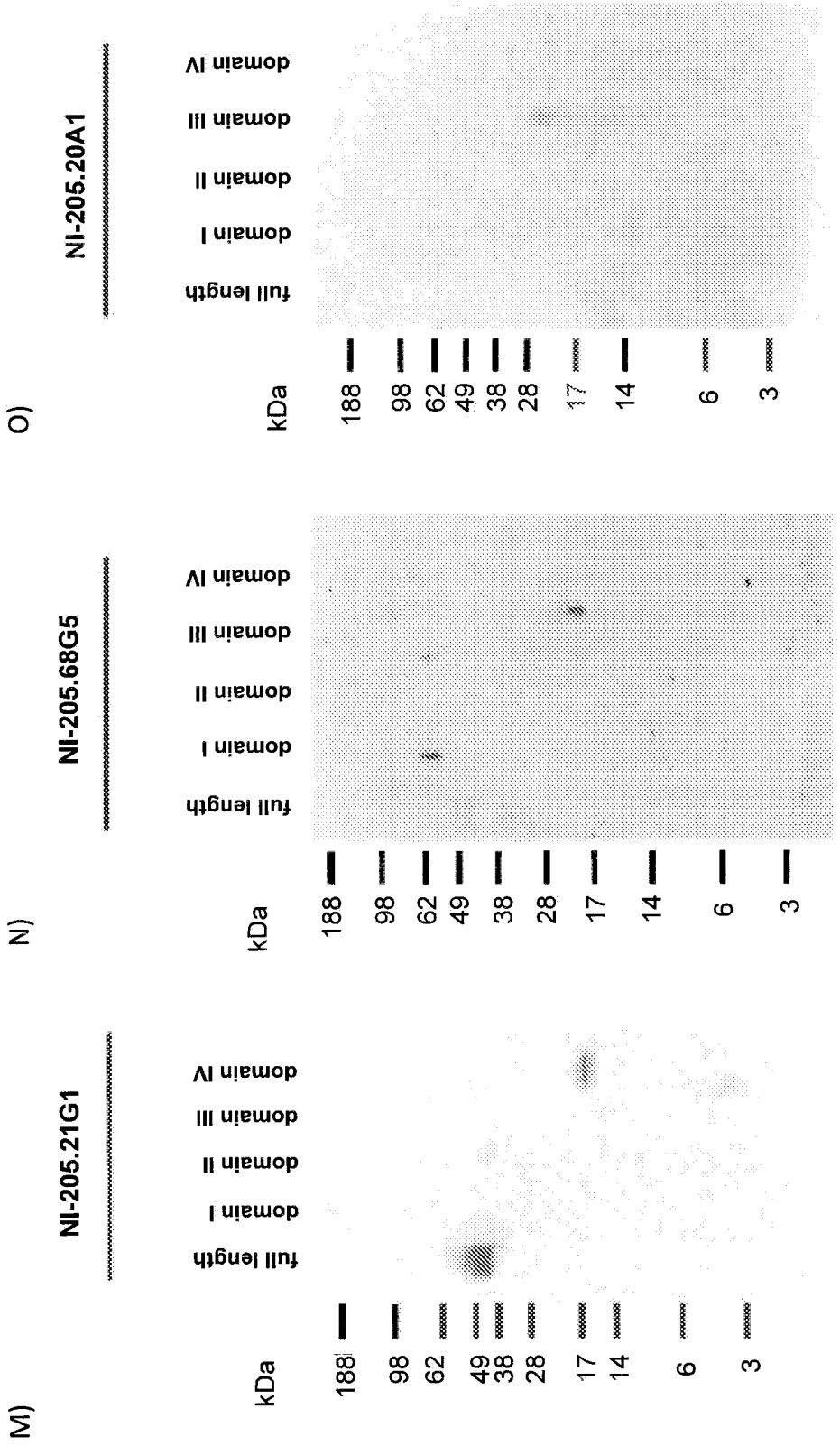

Figure 6J-L
Binding to distinct TDP-43 domains by immunoblot
J)
NI-205.10D3
K)
NI-205.31C11
L)
NI-205.10H7
kDa
188
98
62
49
38
28
17
14
6
3
full length
domain I
domain II
domain III
domain IV

Figure 6M-O

Binding to distinct TDP-43 domains by immunoblot



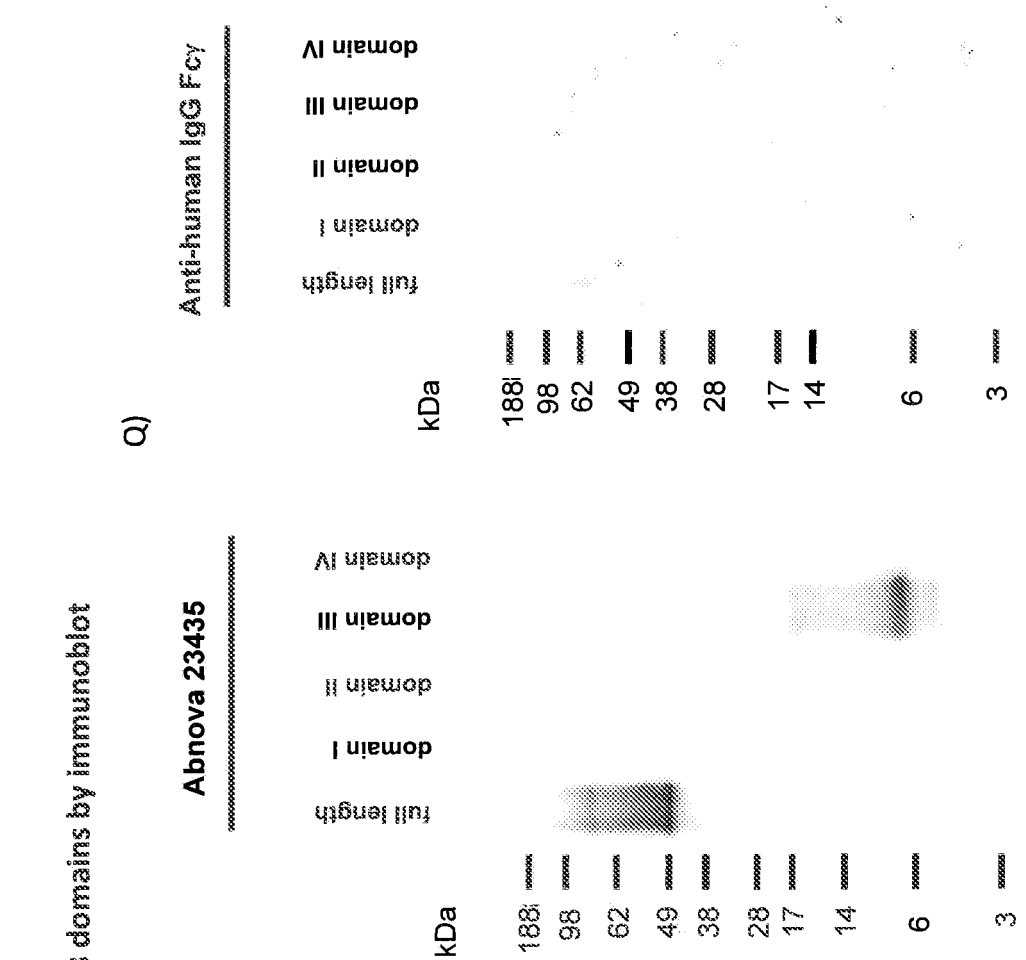
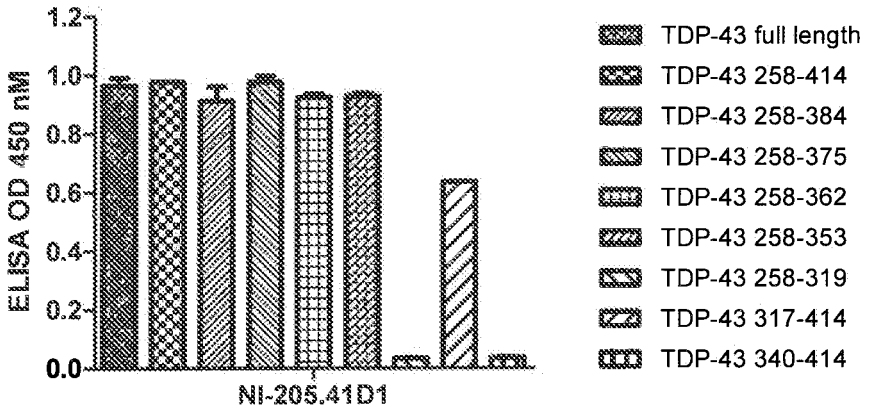

Figure 6P-Q
Binding to distinct TDP-43 domains by immunoblot
P)
Abnova 23435
full length
domain I
domain II
domain III
domain IV
kDa
188
98
62
49
38
28
17
14
6
3
Q)
Anti-human IgG Fcγ
full length
domain I
domain II
domain III
domain IV
kDa
188
98
62
49
38
28
17
14
6
3

Figure 7AB

Determination of NI-205.41D1 binding epitope

A)



B)

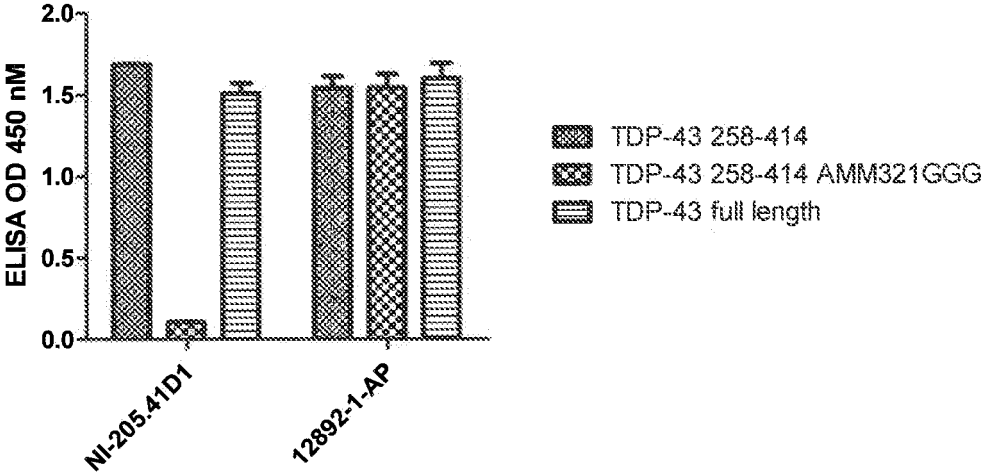


Figure 7C

Determination of NI-205.41D1 binding epitope

C)

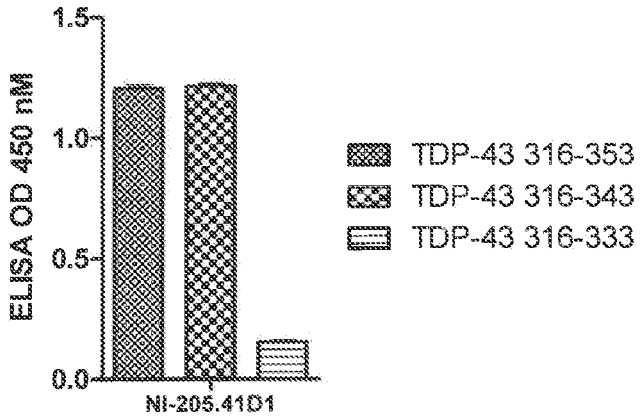
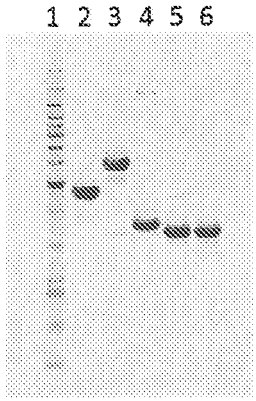


Figure 8AB

Purification of monomeric forms of TDP-43 using mild chaotropic conditions

A



B

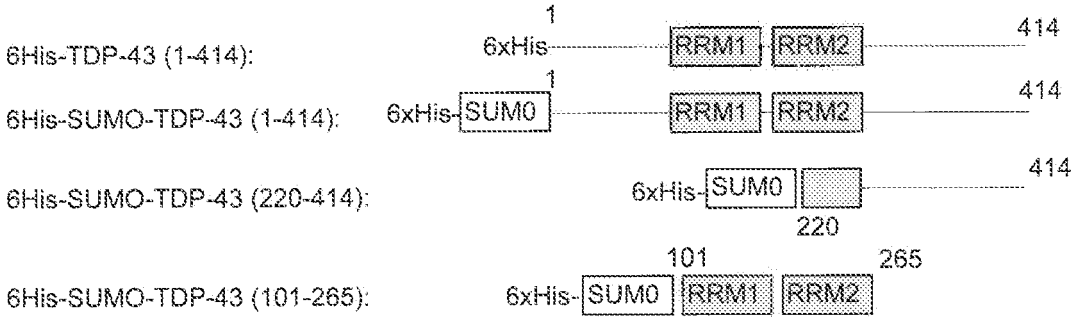


Figure 8C

Purification of monomeric forms of TDP-43 using mild chaotropic conditions

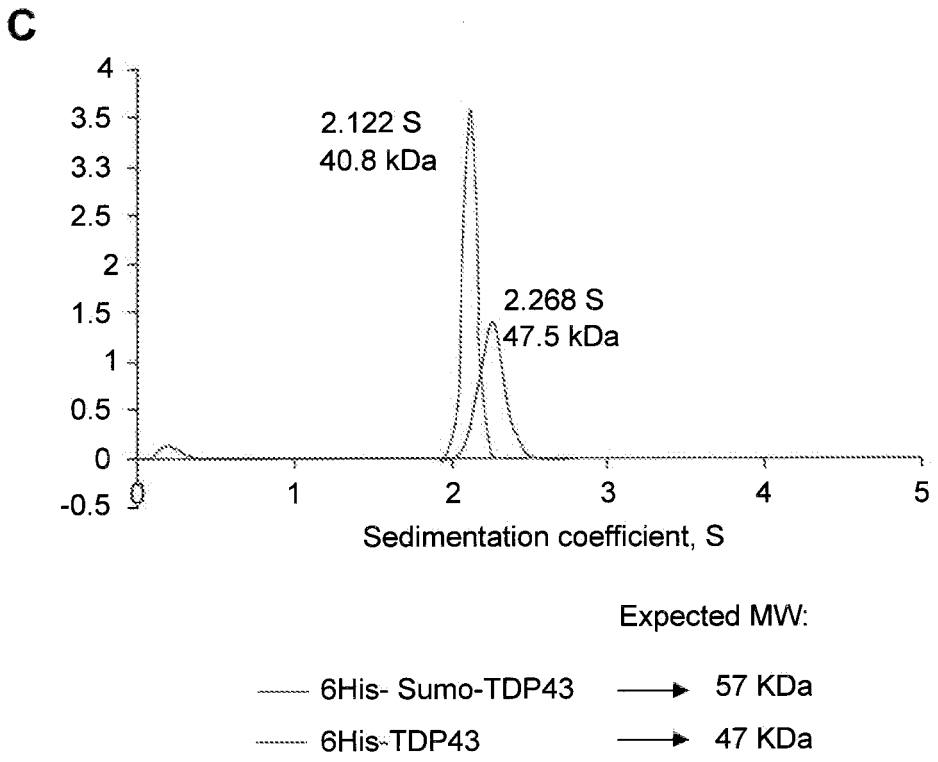


Figure 9A

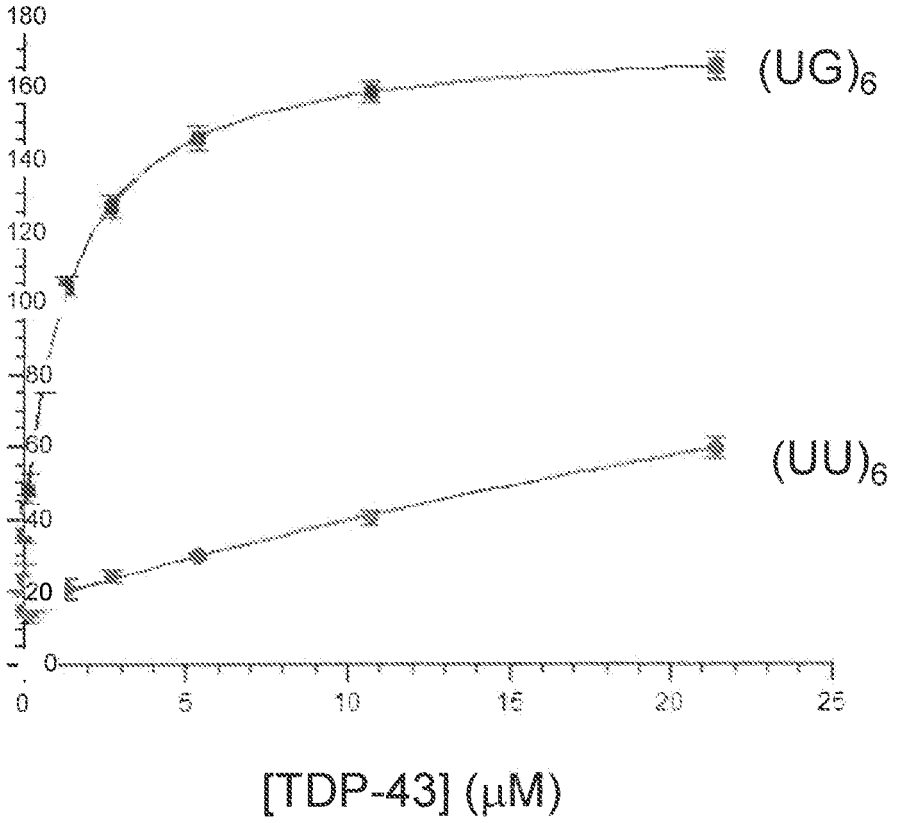


Figure 9B

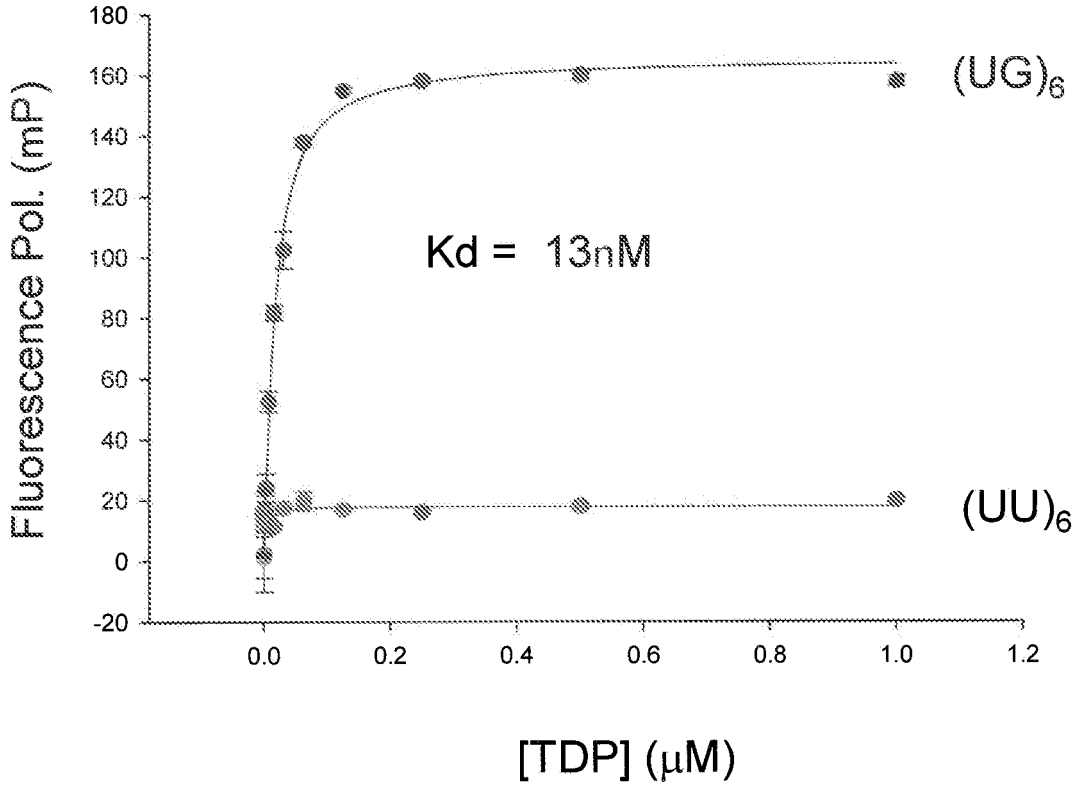

Fluorescence Pol. (mP)
180
160
140
120
100
80
60
40
20
0
-20
0.0
0.2
0.4
0.6
0.8
1.0
1.2
[TDP] (μM)
Kd = 13nM
(UG)6
(UU)6

Figure 9C

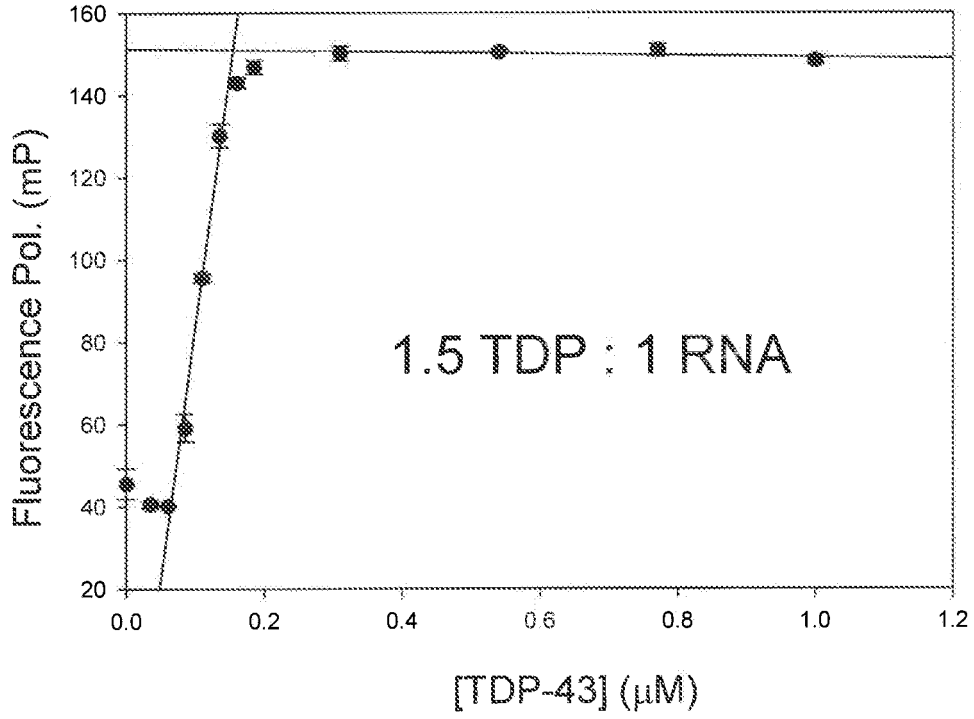

160
140
120
100
80
60
40
20
Fluorescence Pol. (mP)
1.5 TDP : 1 RNA
0.0
0.2
0.4
0.6
0.8
1.0
1.2
[TDP-43] (μM)

Figure 9D

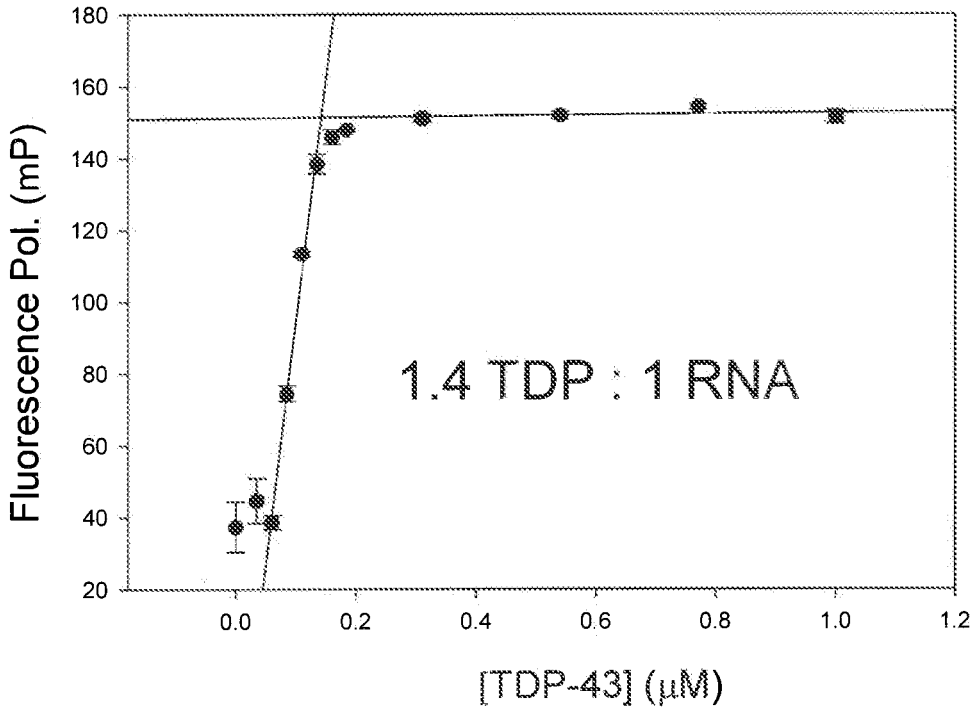

Fluorescence Pol. (mP)
180
160
140
120
100
80
60
40
20
0.0
0.2
0.4
0.6
0.8
1.0
1.2
[TDP-43] (μM)
1.4 TDP : 1 RNA

Figure 10AB

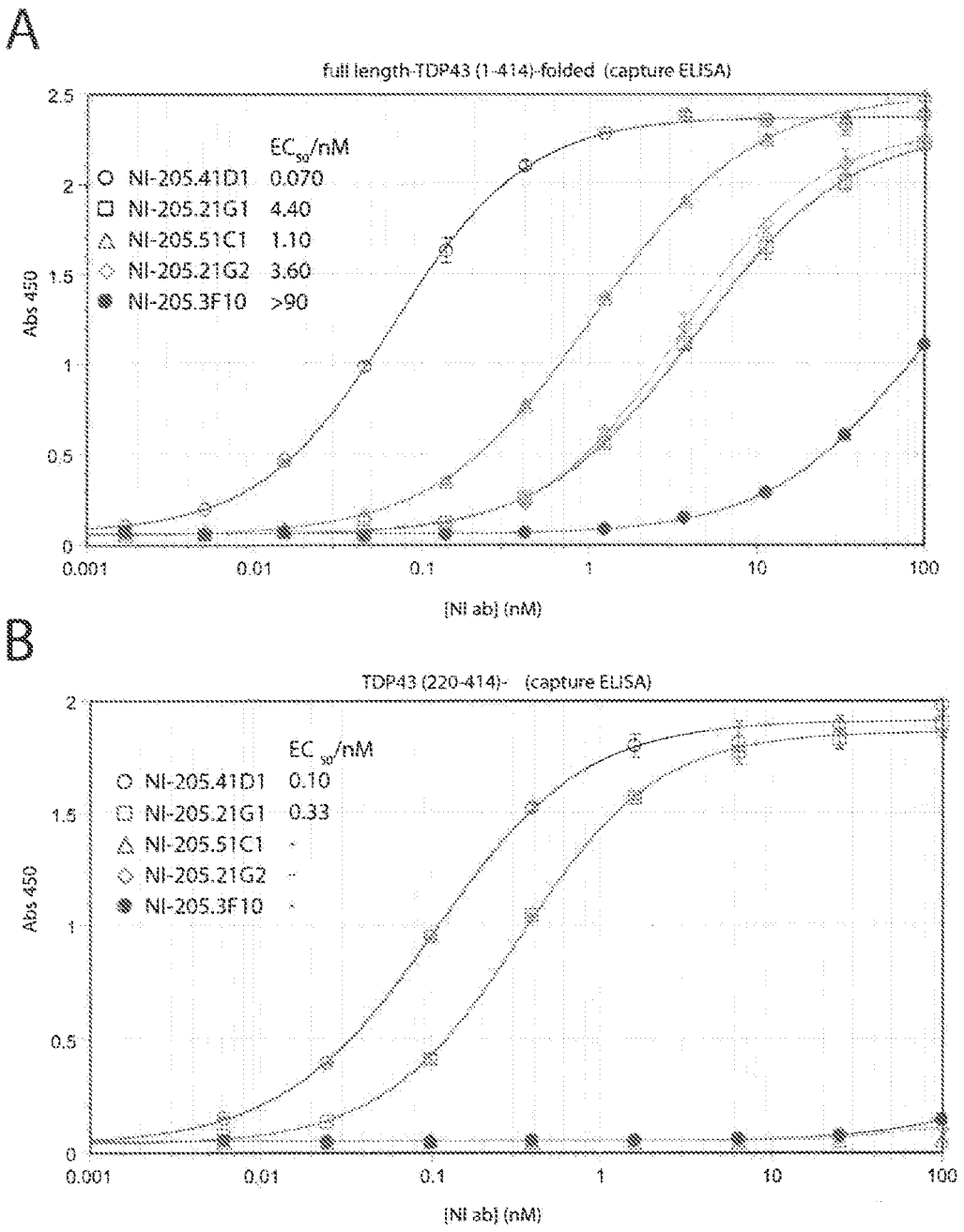

A
full length-TDP43 (1-414)-folded (capture ELISA)
EC50/nM
NI-205.41D1 0.070
NI-205.21G1 4.40
NI-205.51C1 1.10
NI-205.21G2 3.60
NI-205.3F10 >90
Abs 450
[NI ab] (nM)
B
TDP43 (220-414)- (capture ELISA)
EC 50/nM
NI-205.41D1 0.10
NI-205.21G1 0.33
NI-205.51C1 -
NI-205.21G2 -
NI-205.3F10 -
Abs 450
[NI ab] (nM)

Figure 11A-R

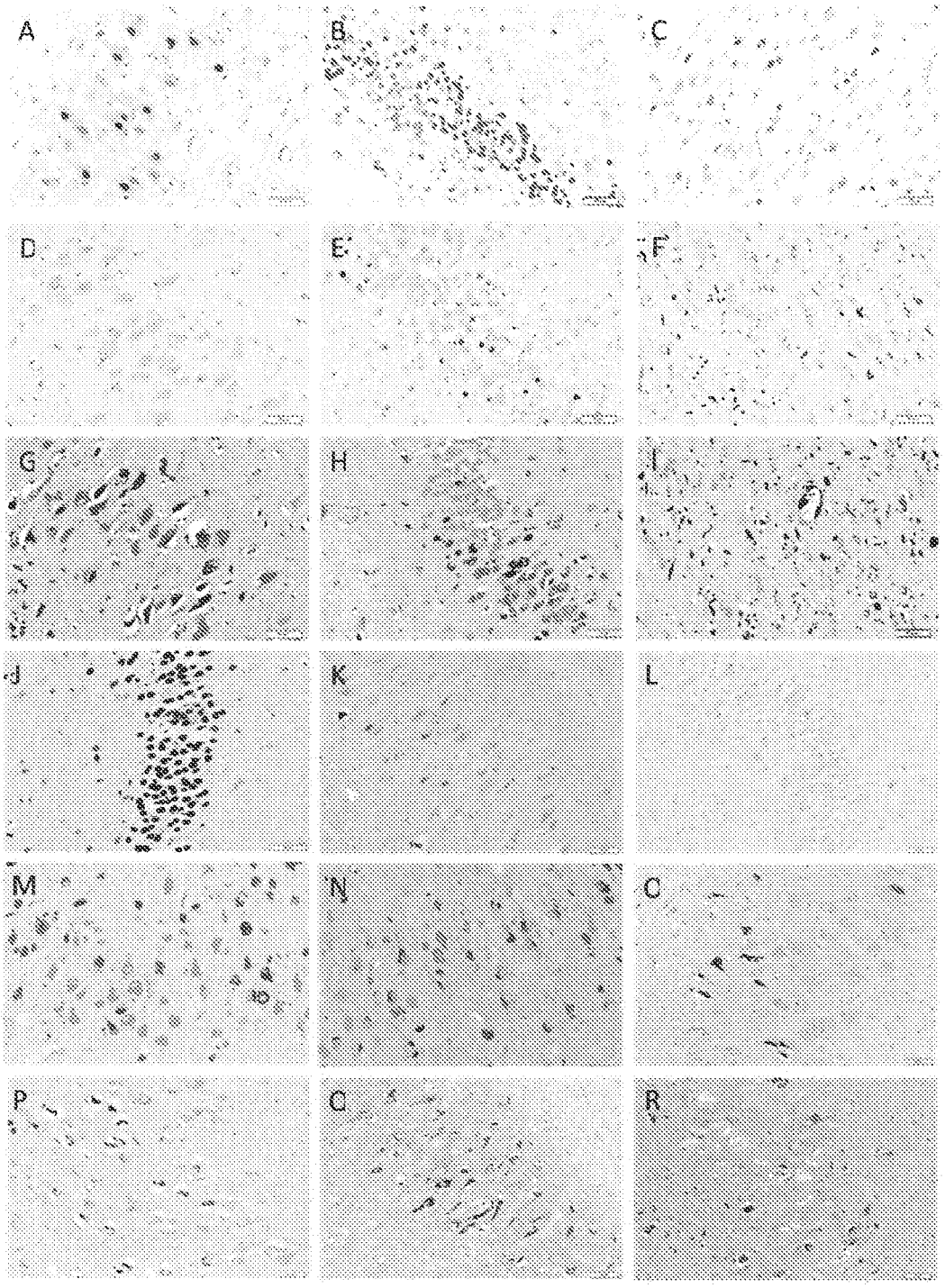


Figure 11S-Z

