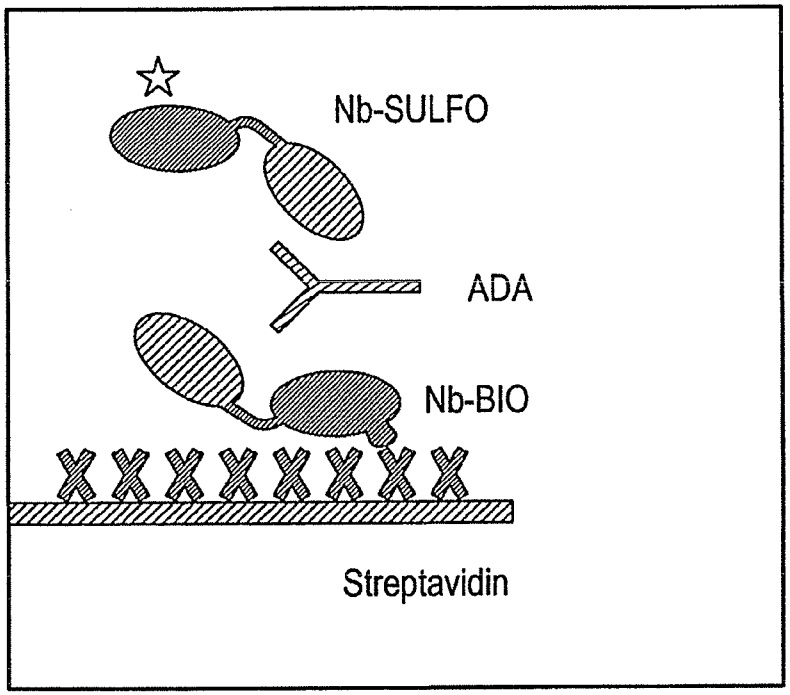
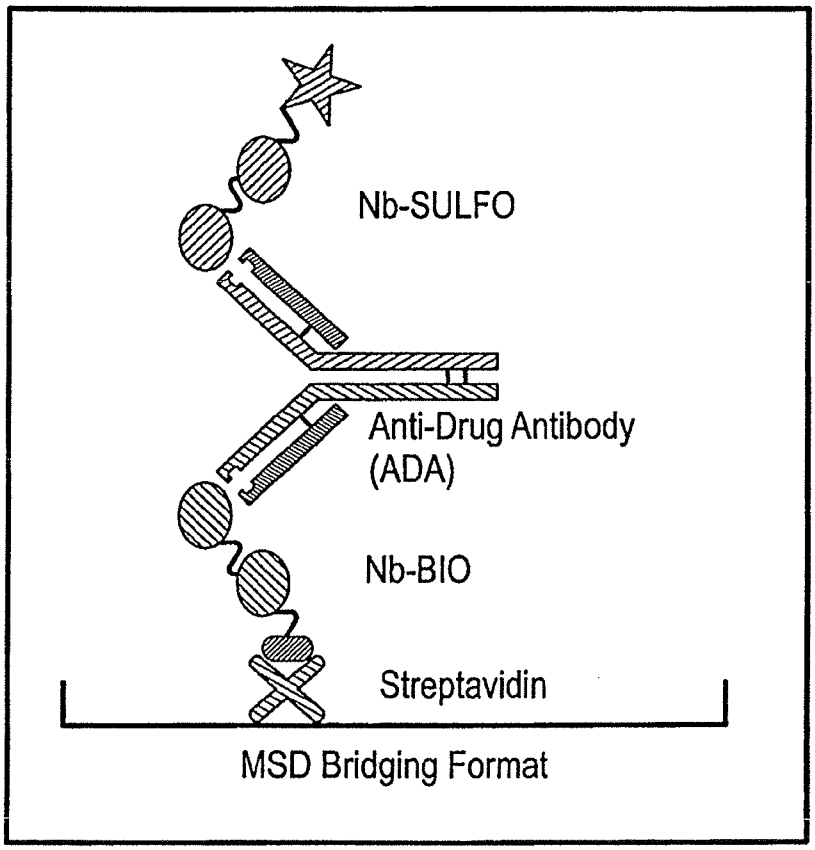
# Figure 1A



# Figure 1B


Nb-SULFO
Anti-Drug Antibody
(ADA)
Nb-BIO
Streptavidin
MSD Bridging Format

# Figure 1C

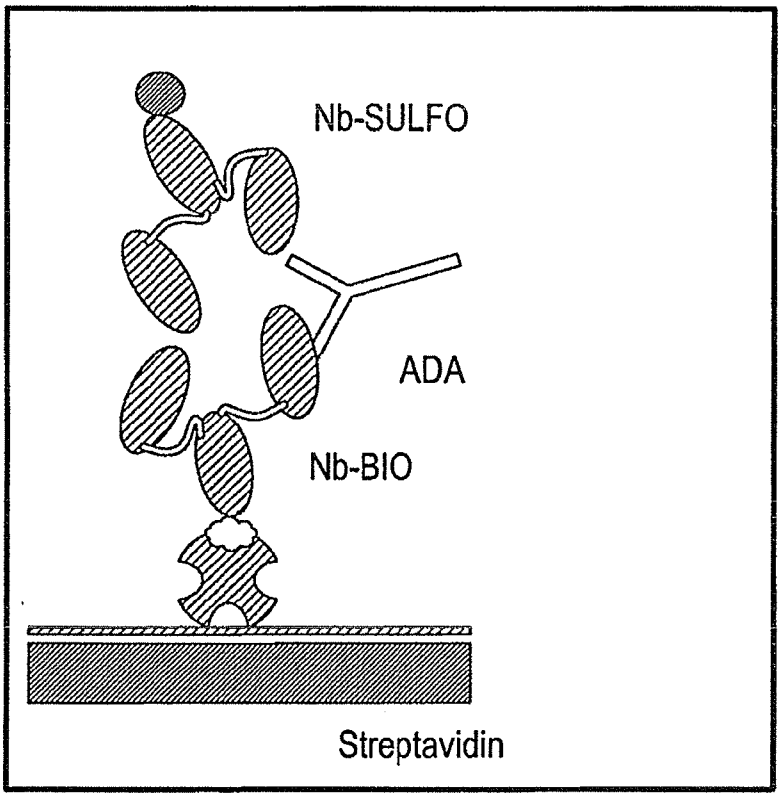


**Figure 2**

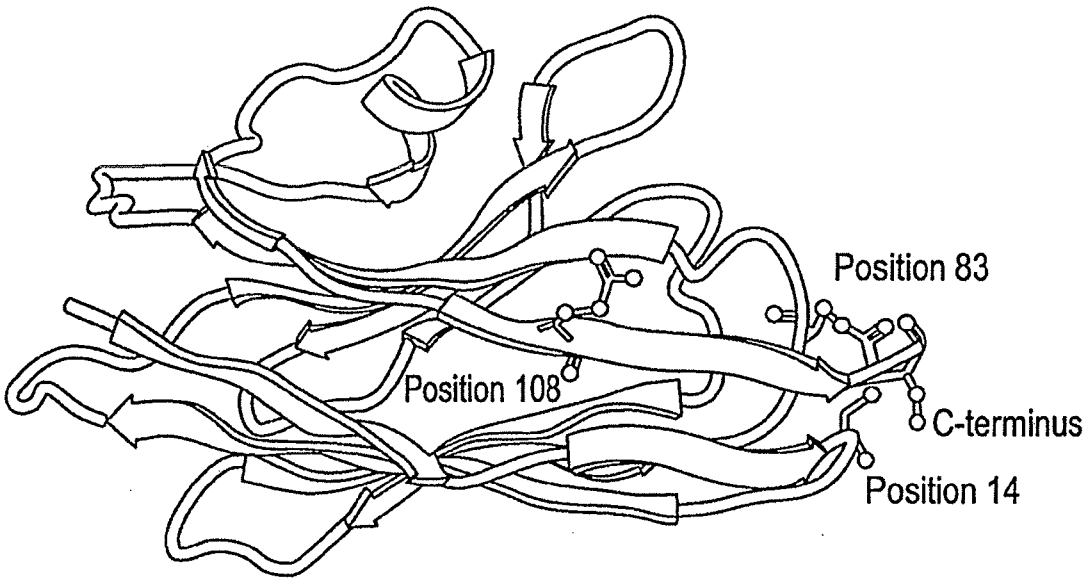
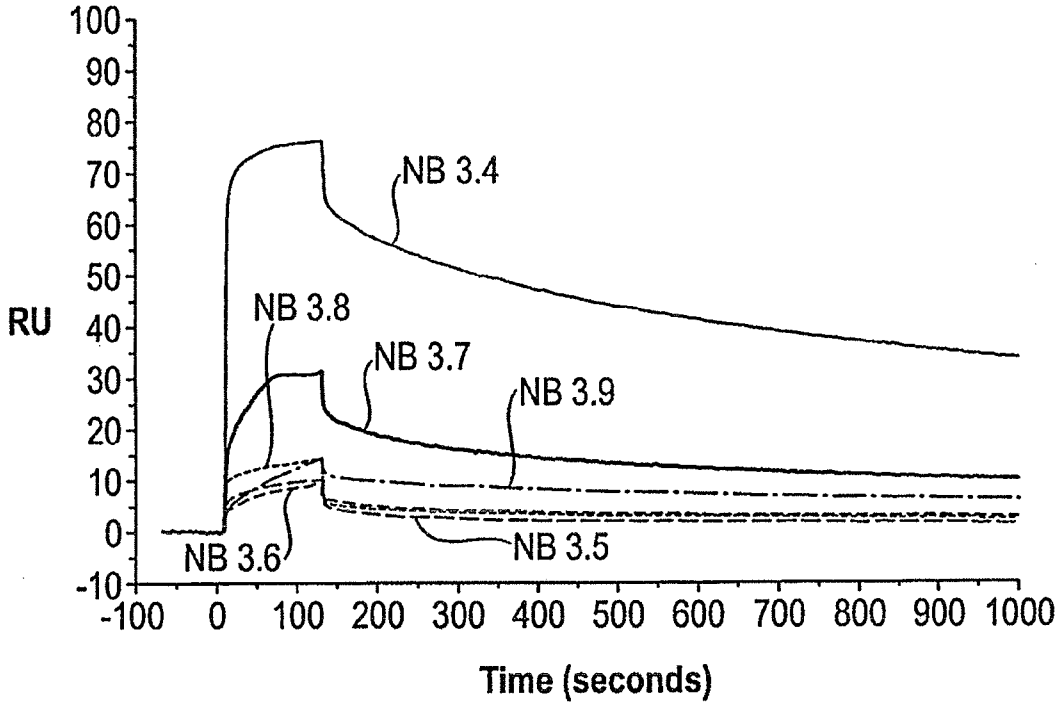


Figure 3


100
90
80
70
60
50
40
30
20
10
0
-10
RU
NB 3.4
NB 3.8
NB 3.7
NB 3.9
NB 3.6
NB 3.5
-100
0
100
200
300
400
500
600
700
800
900
1000
Time (seconds)

# Figure 4

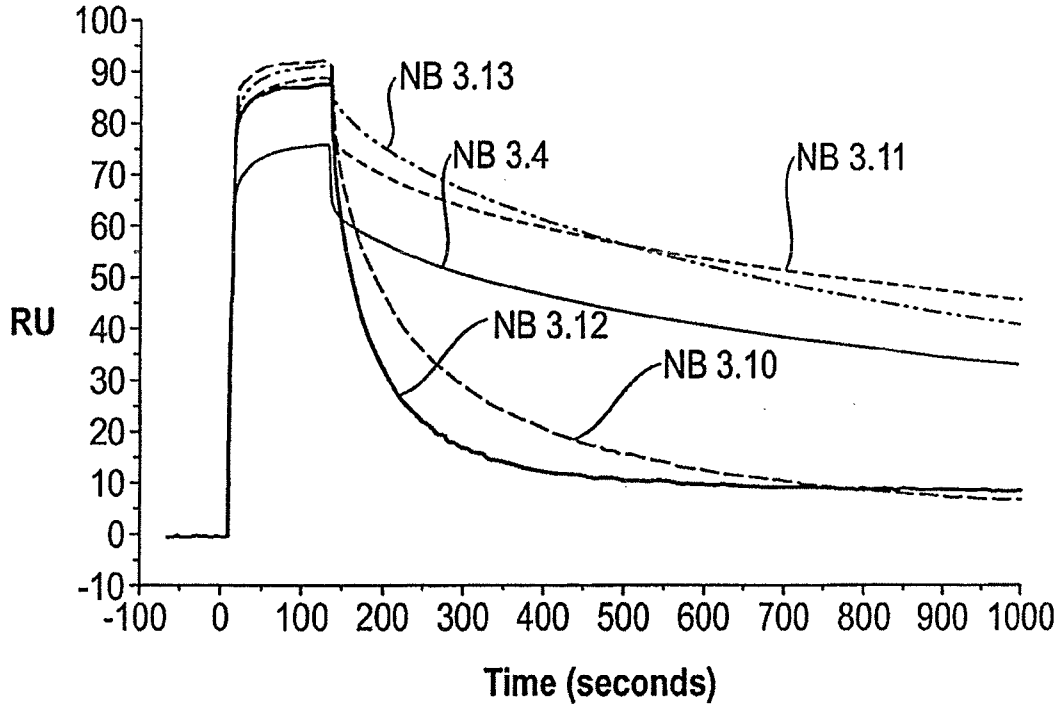
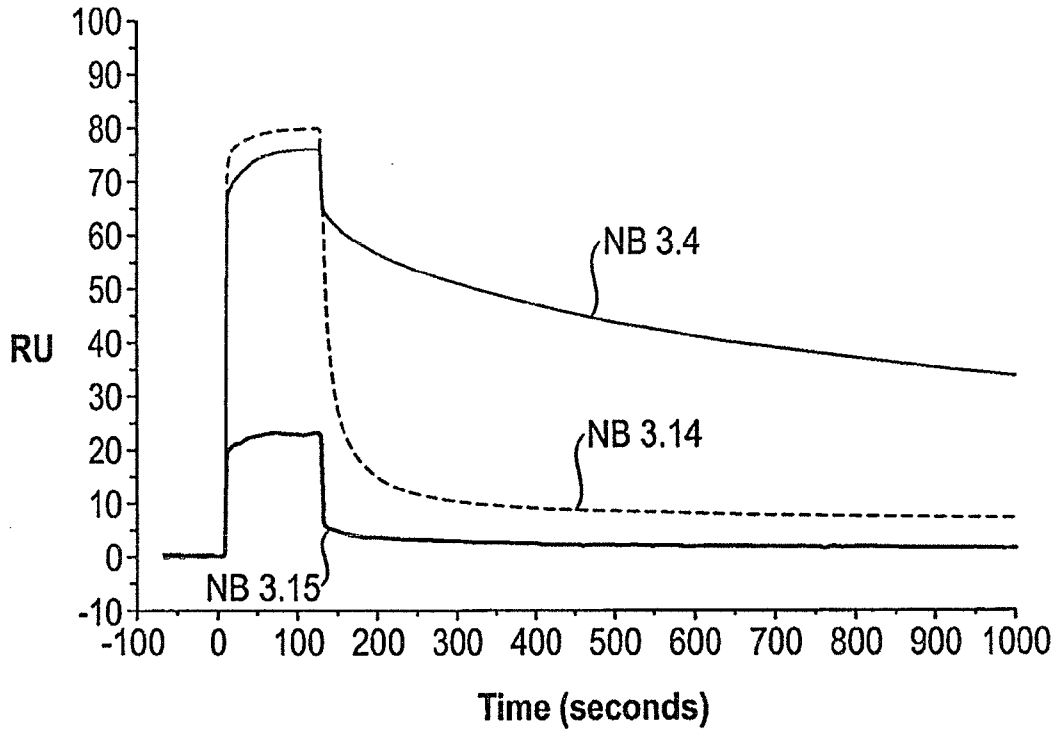
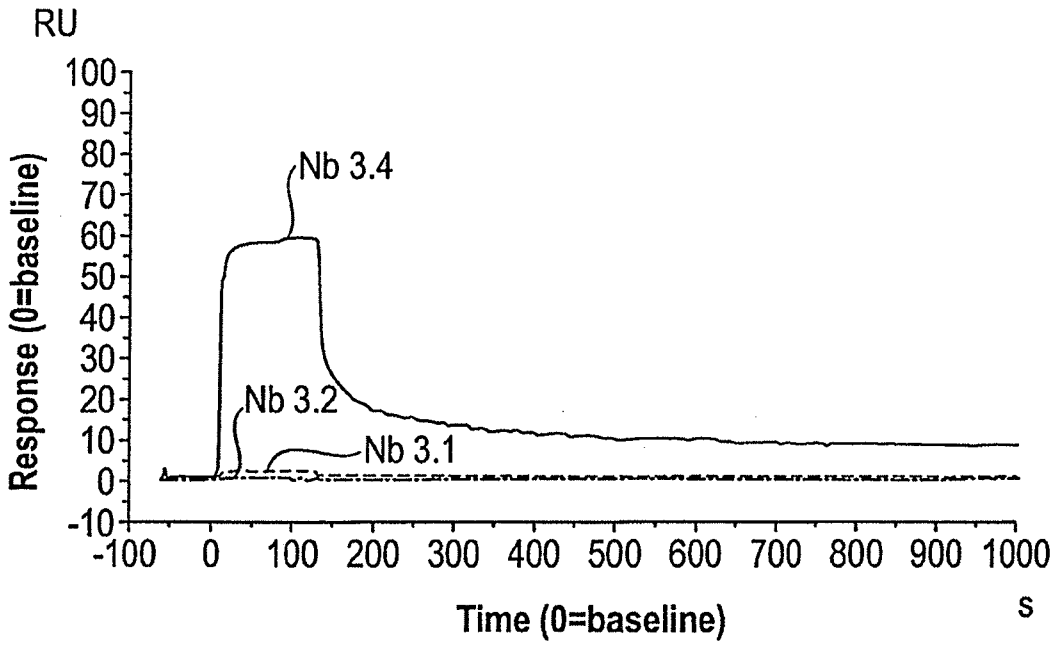

100
90
80
70
60
50
40
30
20
10
0
-10
RU
-100
0
100
200
300
400
500
600
700
800
900
1000
Time (seconds)
NB 3.13
NB 3.4
NB 3.11
NB 3.12
NB 3.10

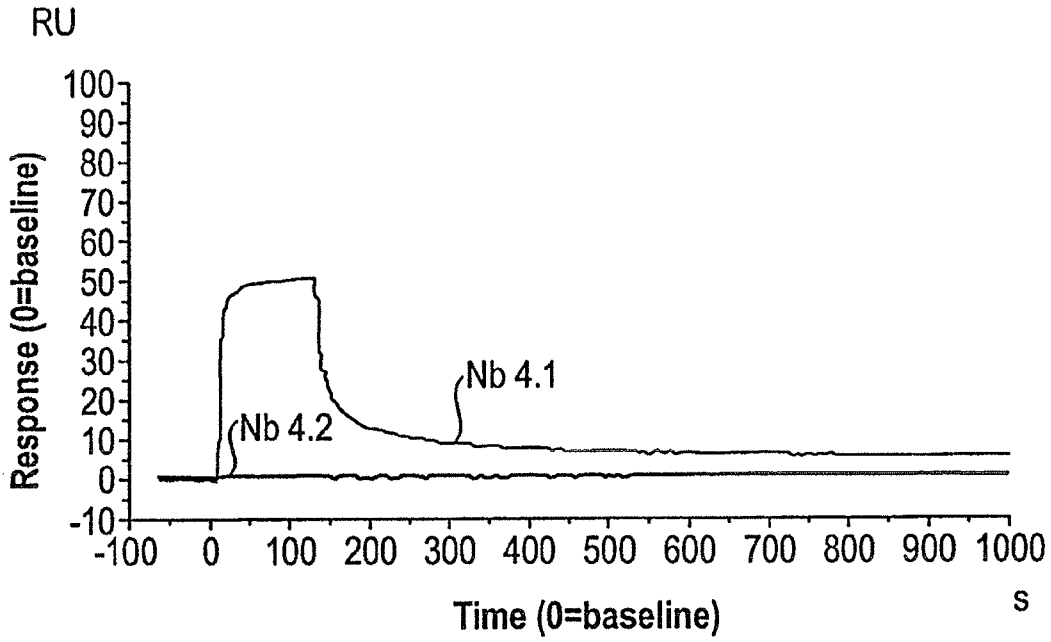
Figure 5


100
90
80
70
60
50
40
30
20
10
0
-10
RU
NB 3.4
NB 3.14
NB 3.15
-100
0
100
200
300
400
500
600
700
800
900
1000
Time (seconds)

# Figure 6


RU
Response (0=baseline)
100
90
80
70
60
50
40
30
20
10
0
-10
Nb 3.4
Nb 3.2
Nb 3.1
-100
0
100
200
300
400
500
600
700
800
900
1000
Time (0=baseline)
s

# Figure 7


RU
Response (0=baseline)
100
90
80
70
60
50
40
30
20
10
0
-10
-100
0
100
200
300
400
500
600
700
800
900
1000
Nb 4.1
Nb 4.2
Time (0=baseline)
s

# Figure 8

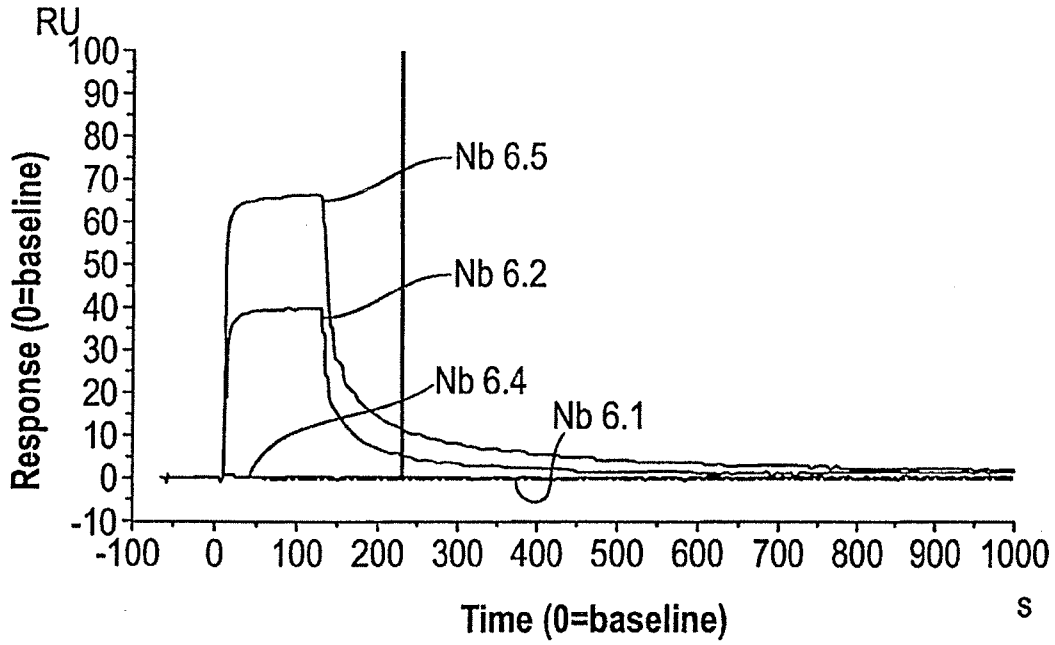

RU
100
90
80
70
60
50
40
30
20
10
0
-10
Response (0=baseline)
Nb 6.5
Nb 6.2
Nb 6.4
Nb 6.1
-100
0
100
200
300
400
500
600
700
800
900
1000
Time (0=baseline)
s

Figure 9

| SEQ ID NO | N-terminal amino acid(s) | Mutations in the C-terminal region | Sequence | Reference sequence |
|---|---|---|---|---|
| 37 | A | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSA | SEQ ID NO: 37 without the added C-terminal amino acid residues |
| 38 | A | none | EVQLVESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVR QAPGKGLEWVSGIKSSGDSTRYAGSVKGRFTISRDNAKN TLYLQMNSLRPEDTAVYYCAKSRVSRTGLYTYDNRGQG TLVTVSSGGGGSGGGGSGGGGSGGGGSEVQLVESGGGL VQPGGSLRLSCAASGRTFNNYAMGWFRQAPGKEREFVA AITRSGVRSGVSAIYGDSVKDRFTISRDNAKNTLYLQMN SLRPEDTAVYYCAASAIGSGALRRFEYDYSGQGTLVTVS SA | SEQ ID NO: 38 without the added C-terminal amino acid residues |
| 39 | A | none | EVQLVESGGGLVQPGGSLRLSCAASGFTFSSYPMGWFR QAPGKGREFVSSITGSGGSTYYADSVKGRFTISRDNAKN TLYLQMNSLRPEDTAVYYCAAYIRPDTYLSRDYRKYDY WGQGTLVTVSSGGGGSGGGSEVQLVESGGGLVQPGNSL RLSCAASGFTFSSFGMSWVRQAPGKGLEWVSSISGSGSD TLYADSVKGRFTISRDNAKTTLYLQMNSLRPEDTAVYY CTIGGSLSRSSQGTLVTVSSGGGGSGGGSEVQLVESGGG LVQPGGSLRLSCAASGFTFSSYPMGWFRQAPGKGREFVS SITGSGGSTYYADSVKGRFTISRDNAKNTLYLQMNSLRP EDTAVYYCAAYIRPDTYLSRDYRKYDYWGQGTLVTVSS A | SEQ ID NO: 39 without the added C-terminal amino acid residues |

| | | | | |
|---|---|---|---|---|
| 40 | A | none | EVQLVESGGGLVQPGGSLRLSCAASGFTFSDYWMYWV<br>RQAPGKGLEWVSEINTNGLITKYPDSVKGRFTISRDNAK<br>NTLYLQMNSLRPEDTAVYYCARSPSGFNRGQGTLVTVS<br>SGGGGSGGGSEVQLVESGGGLVQPGNSLRLSCAASGFTF<br>SSFGMSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGR<br>FTISRDNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQ<br>GTLVTVSSGGGGSGGGSEVQLVESGGGLVQPGGSLRLS<br>CAASGFTFSDYWMYWVRQAPGKGLEWVSEINTNGLITK<br>YPDSVKGRFTISRDNAKNTLYLQMNSLRPEDTAVYYCA<br>RSPSGFNRGQGTLVTVSSA | SEQ ID NO: 40 without the added C-terminal amino acid residues |
| 41 | A | none | EVQLVESGGGLVQPGGSLRLSCAASGSVFKINVMAWYR<br>QAPGKGRELVAGIISGGSTSYADSVKGRFTISRDNAKNT<br>LYLQMNSLRPEDTAVYYCAFITTESDYDLGRRYWGQGT<br>LVTVSSGGGGSGGGSEVQLVESGGGLVQPGNSLRLSCA<br>ASGFTFSSFGMSWVRQAPGKGLEWVSSISGSGSDTLYAD<br>SVKGRFTISRDNAKTTLYLQMNSLRPEDTAVYYCTIGGS<br>LSRSSQGTLVTVSSA | SEQ ID NO: 41 without the added C-terminal amino acid residues |
| 42 | A | none | EVQLVESGGGLVQPGGSLRLSCAASGRTFSYNPMGWFR<br>QAPGKGRELVAAISRTGGSTYYPDSVEGRFTISRDNAKR<br>MVYLQMNSLRAEDTAVYYCAAAGVRAEDGRVRTLPSE<br>YTFWGQGTQVTVSSAAAEVQLVESGGGLVQPGGSLRLS<br>CAASGRTFSYNPMGWFRQAPGKGRELVAAISRTGGSTY<br>YPDSVEGRFTISRDNAKRMVYLQMNSLRAEDTAVYYCA<br>AAGVRAEDGRVRTLPSEYTFWGQGTQVTVSSA | SEQ ID NO: 42 without the added C-terminal amino acid residues |

| | | | | |
|---|---|---|---|---|
| 43 | A | none | DVQLVESGGGLVQPGGSLRLSCAASGFILDYYAIGWFRQ APGKEREGVLCIDASDDITYYADSVKGRFTISRDNSKNT VYLQMNSLRPEDTAVYYCATPIGLSSSCLLEYDYDYWG QGTLVTVSSGGGGSGGGSEVQLLESGGGLVQPGGSLRLS CAASGFTFRSFGMSWVRQAPGKGPEWVSSISGSGSDTLY ADSVKGRFTISRDNSKNTLYLQMNSLRPEDTAVYYCTIG GSLSRSSQGTLVTVSSA | SEQ ID NO: 43 without the added C-terminal amino acid residues |
| 44 | A | none | DVQLVESGGGLVQPGGSLRLSCAASRSIGRLDRMGWYR HRPGEPRELVATITGGSSINYGDSVKGRFTISIDNSKNTV YLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQGTLVTV SSGGGGSGGGSEVQLVESGGGLVQPGNSLRLSCAASGFT FSSFGMSWVRQAPGKGLEWVSSISGSGSDTLYADSVKG RFTISRDNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSS QGTLVTVSSGGGGSGGGSEVQLVESGGGLVQPGGSLRL SCAASRSIGRLDRMGWYRHRPGEPRELVATITGGSSINY GDSVKGRFTISIDNSKNTVYLQMNSLRPEDTAVYYCNFN KYVTSRDTWGQGTLVTVSSA | SEQ ID NO: 44 without the added C-terminal amino acid residues |
| 45 | none | P14A, P41T, S62F, S74A, S82bN, R83K, L108Q | EVQLVESGGGLVQAGGSLRLSCAASRSIGRLDRMGWYR HRTGEPRELVATITGGSSINYGDFVKGRFTISIDNAKNTV YLQMNNLKPEDTAVYYCNFNKYVTSRDTWGQGTQVTV SS | SEQ ID NO: 45 without the added C-terminal amino acid residues and without the mentioned mutations in the C-terminal region |
| 46 | AAEQKLIS EEDLNGA AHHHHH H | A14P, T41P, F62S, A74S, N82bS, K83R, Q108L | EVQLVESGGGLVQAGGSLRLSCAASRSIGRLDRMGWYR HRTGEPRELVATITGGSSINYGDFVKGRFTISIDNAKNTV YLQMNNLKPEDTAVYYCNFNKYVTSRDTWGQGTQVTV SSAAAHHHHHHGAAEQKLISEEDLNGAA | SEQ ID NO: 46 without the added C-terminal amino acid residues and without the mentioned mutations in the C-terminal region |

| | | | | |
|---|---|---|---|---|
| 47 | GGGGSGG GSRDWDF DVFGGGT PVGG | none | EVQLVESGGGLVQPGGSLRLSCAASGSVFKINVMAWYR QAPGKGRELVAGIISGGSTSYADSVKGRFTISRDNAKNT LYLQMNSLRPEDTAVYYCAFITTESDYDLGRRYWGQGT LVTVSSGGGGSGGGSRDWDFDVFGGGTPVGG | SEQ ID NO: 47 without the added C-terminal amino acid residues |
| 48 | AAEQKLIS EEDLNGA AHHHHH H | none | EVQLVESGGGLVQPGGSLRLSCIASGLPFSTKSMGWFRQ APGKEREFVARISPGGTSRYYGDFVKGRFAISRDNAKNT TWLQMNSLKAEDTAVYYCASGERSTYIGSNYYRTNEYD YWGTGTQVTVSSAAAEQKLISEEDLNGAAHHHHHH | SEQ ID NO: 48 without the added C-terminal amino acid residues |
| 49 | AAEQKLIS EEDLNGA AHHHHH H | V5L, I23A, E44G, A49S, A68T, A74S, T78L, W79Y, K83R, T110Q, Q108L | EVQLLESGGGLVQPGGSLRLSCAASGLPFSTKSMGWFR QAPGKGREFVSRISPGGTSRYYGDFVKGRFTISRDNSKN TLYLQMNSLRAEDTAVYYCASGERSTYIGSNYYRTNEY DYWGQGTLVTVSSAAAEQKLISEEDLNGAAHHHHHH | SEQ ID NO: 49 without the added C-terminal amino acid residues and without the mentioned mutations in the C-terminal region |
| 50 | none | L11S | HHHHHHEVQLVESGGGSVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSS | SEQ ID NO: 50 without the mentioned mutations in the C-terminal region |
| 51 | none | T110Q | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV QVSS | SEQ ID NO: 51 without the mentioned mutations in the C-terminal region |

| | | | | |
|---|---|---|---|---|
| 52 | none | S112G | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVGS | SEQ ID NO: 52 without the mentioned mutations in the C-terminal region |
| 53 | none | S113G | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSG | SEQ ID NO: 53 without the mentioned mutations in the C-terminal region |
| 54 | none | L11S, T110Q, S112G, S113G | HHHHHHEVQLVESGGGSVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV QVGG | SEQ ID NO: 54 without the mentioned mutations in the C-terminal region |
| 55 | A | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSA | SEQ ID NO: 55 without the added C-terminal amino acid residues |
| 56 | G | S113G | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSGG | SEQ ID NO:56 without the added C-terminal amino acid residues and without the mentioned mutations in the C-terminal region |
| 57 | AS | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSAS | SEQ ID NO:57 without the added C-terminal amino acid residues |
| 58 | AST | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSAST | SEQ ID NO:58 without the added C-terminal amino acid residues |

| | | | | |
|---|---|---|---|---|
| 59 | ASTK | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSASTK | SEQ ID NO:59 without the added C-terminal amino acid residues |
| 60 | ASP | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSASP | SEQ ID NO:60 without the added C-terminal amino acid residues |
| 61 | AP | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSAP | SEQ ID NO:61 without the added C-terminal amino acid residues |
| 62 | APT | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSAPT | SEQ ID NO:62 without the added C-terminal amino acid residues |
| 63 | W | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSW | SEQ ID NO:63 without the added C-terminal amino acid residues |
| 64 | L | none | HHHHHHEVQLVESGGGLVQPGNSLRLSCAASGFTFSSFG MSWVRQAPGKGLEWVSSISGSGSDTLYADSVKGRFTISR DNAKTTLYLQMNSLRPEDTAVYYCTIGGSLSRSSQGTLV TVSSL | SEQ ID NO:64 without the added C-terminal amino acid residues |
| 65 | none | P14A | HHHHHHEVQLVESGGGLVQAGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSS | SEQ ID NO:65 without the mentioned mutations in the C-terminal region |

| | | | | |
|---|---|---|---|---|
| 66 | none | L11S | HHHHHHEVQLVESGGGSVQPGGSLRLSCAASRSIGRLDR MGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISIDN SKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQG TLVTVSS | SEQ ID NO:66 without the mentioned mutations in the C-terminal region |
| 67 | none | R83K | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLKPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSS | SEQ ID NO:67 without the mentioned mutations in the C-terminal region |
| 68 | none | P14A, L108Q | HHHHHHEVQLVESGGGLVQAGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTQVTVSS | SEQ ID NO:68 without the mentioned mutations in the C-terminal region |
| 69 | none | L108Q | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTQVTVSS | SEQ ID NO:69 without the mentioned mutations in the C-terminal region |
| 70 | none | T110Q | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVQVSS | SEQ ID NO:70 without the mentioned mutations in the C-terminal region |
| 71 | none | S113G | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSG | SEQ ID NO:71 without the mentioned mutations in the C-terminal region |
| 72 | none | S112G, S113G | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVGG | SEQ ID NO:72 without the mentioned mutations in the C-terminal region |

| | | | | |
|---|---|---|---|---|
| 73 | G | S112G, S113G | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVGGG | SEQ ID NO:73 without the added C-terminal amino acid residues and without the mentioned mutations in the C-terminal region |
| 74 | G | none | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSSG | SEQ ID NO:74 without the added C-terminal amino acid residues |
| 75 | AA | none | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSSAA | SEQ ID NO:75 without the added C-terminal amino acid residues |
| 76 | GGG | none | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSSGGG | SEQ ID NO:76 without the added C-terminal amino acid residues |
| 77 | A | none | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSSA | SEQ ID NO:77 without the added C-terminal amino acid residues |
| 78 | none | Q13R | HHHHHHEVQLVESGGGLVRPGGSLRLSCAASRSIGRLDR MGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISIDN SKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQG TLVTVSS | SEQ ID NO:78 without the mentioned mutations in the C-terminal region |
| 79 | GG | none | HHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLDR MGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISIDN SKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQG TLVTVSSGG | SEQ ID NO:79 without the added C-terminal amino acid residues |

| | | | | |
|---|---|---|---|---|
| 80 | none | T110Q, S112G, S113G | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVQVGG | SEQ ID NO:80 without the mentioned mutations in the C-terminal region |
| 81 | none | L11V | HHHHHHEVQLVESGGGVVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSS | SEQ ID NO:81 without the mentioned mutations in the C-terminal region |
| 82 | none | P84A | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRAEDTAVYYCNFNKYVTSRDTWGQ GTLVTVSS | SEQ ID NO:82 without the mentioned mutations in the C-terminal region |
| 83 | none | T87A | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDAAVYYCNFNKYVTSRDTWGQ GTLVTVSS | SEQ ID NO:83 without the mentioned mutations in the C-terminal region |
| 84 | none | S112G | HHHHHHEVQLVESGGGLVQPGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVTVGS | SEQ ID NO:84 without the mentioned mutations in the C-terminal region |
| 85 | none | L11S, T110Q, S112G, S113G | HHHHHHEVQLVESGGGSVQPGGSLRLSCAASRSIGRLDR MGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISIDN SKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQG TLVQVGG | SEQ ID NO:85 without the mentioned mutations in the C-terminal region |
| 86 | none | L11S, T110Q | HHHHHHEVQLVESGGGSVQPGGSLRLSCAASRSIGRLDR MGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISIDN SKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQG TLVQVSS | SEQ ID NO:86 without the mentioned mutations in the C-terminal region |

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| 87 | none | L11S, S112G, S113G | HHHHHHEVQLVESGGGSVQPGGSLRLSCAASRSIGRLDR MGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISIDN SKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQG TLVTVGG | SEQ ID NO:87 without the mentioned mutations in the C-terminal region |
| 88 | A | L11S, T110Q | HHHHHHEVQLVESGGGSVQPGGSLRLSCAASRSIGRLDR MGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISIDN SKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQG TLVQVSSA | SEQ ID NO:88 without the added C-terminal amino acid residues and without the mentioned mutations in the C-terminal region |
| 89 | none | L11S, P14A, T110Q, S112G, S113G | HHHHHHEVQLVESGGGSVQAGGSLRLSCAASRSIGRLD RMGWYRHRPGEPRELVATITGGSSINYGDSVKGRFTISID NSKNTVYLQMNSLRPEDTAVYYCNFNKYVTSRDTWGQ GTLVQVGG | SEQ ID NO:89 without the mentioned mutations in the C-terminal region |