Fig. 1

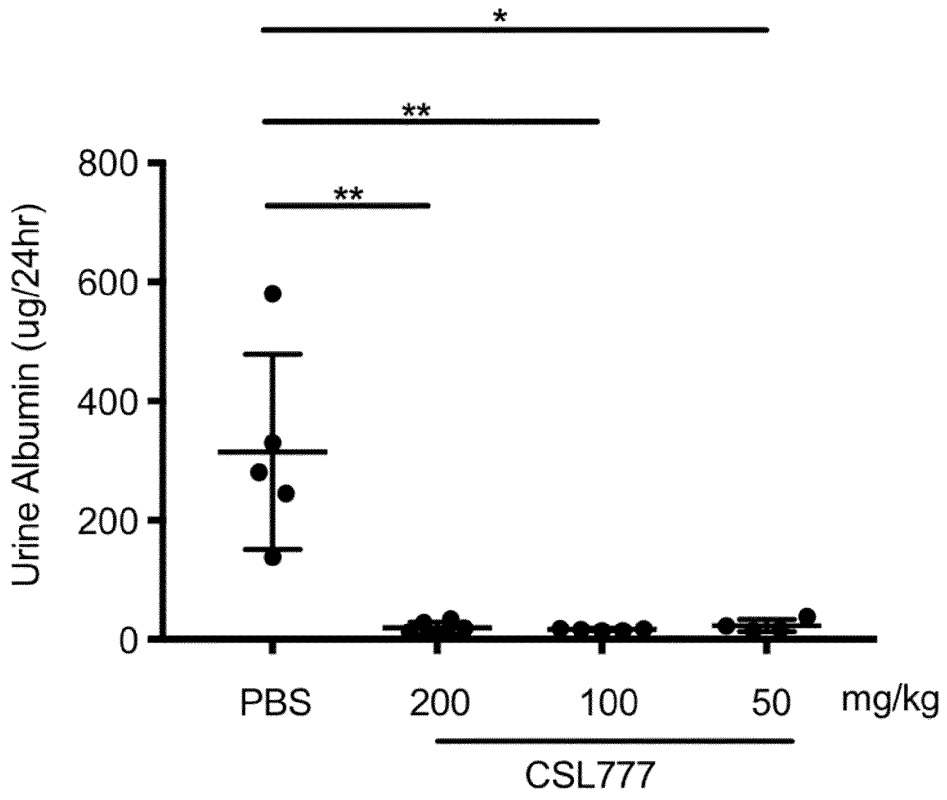

*
**
**
800
600
400
200
0
Urine Albumin (ug/24hr)
PBS
200
100
50
mg/kg
CSL777

Fig. 2

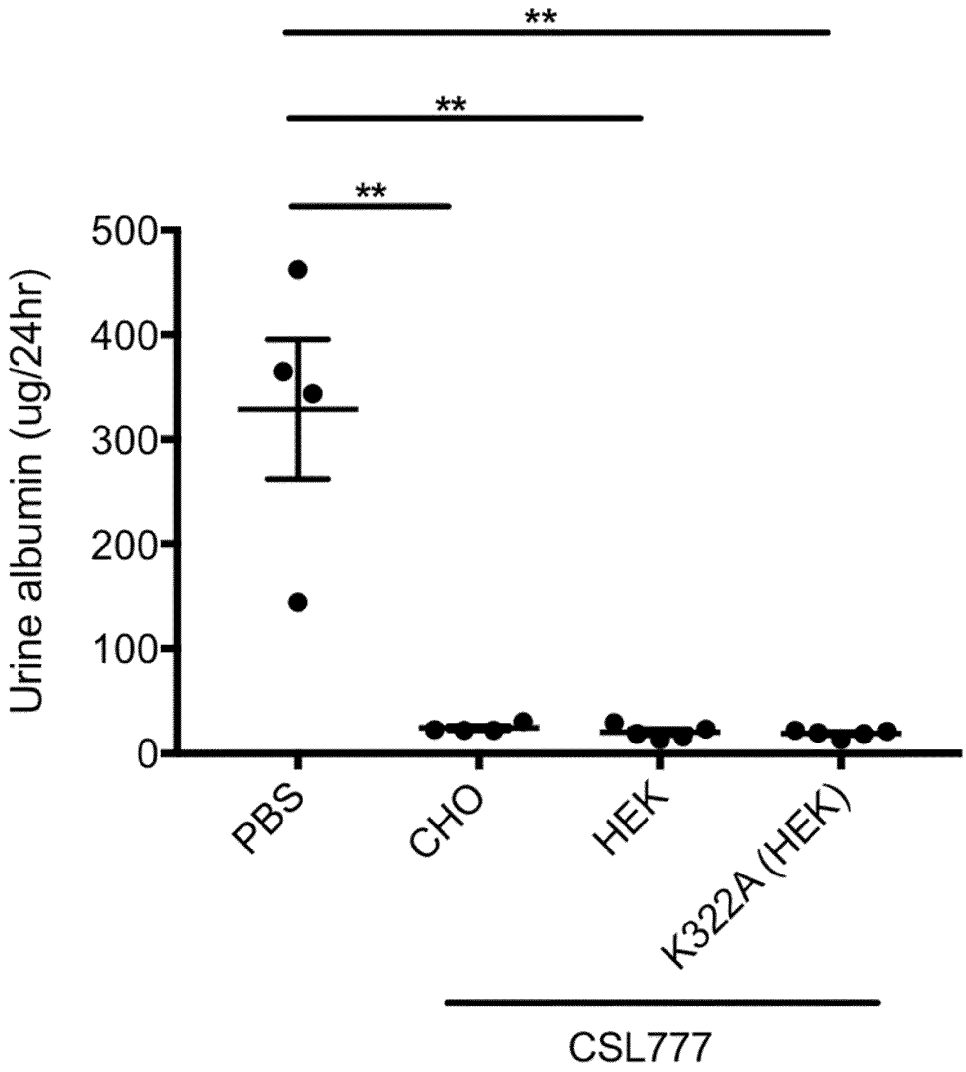

**
**
**
Urine albumin (ug/24hr)
500
400
300
200
100
0
PBS
CHO
HEK
K322A (HEK)
CSL777

Fig. 3

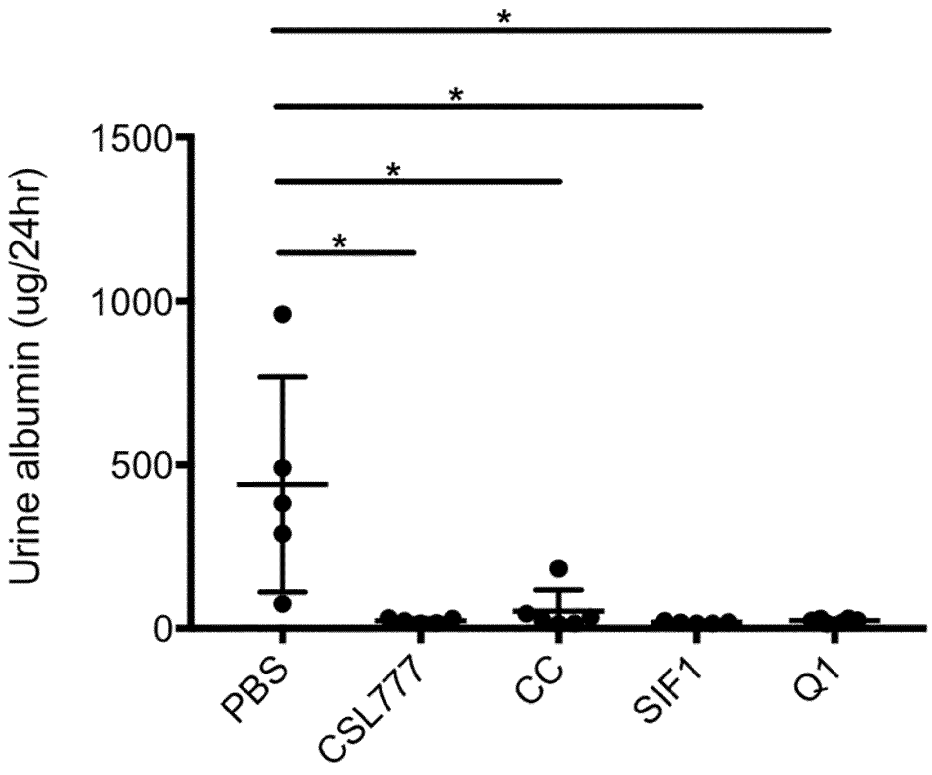


Fig. 4

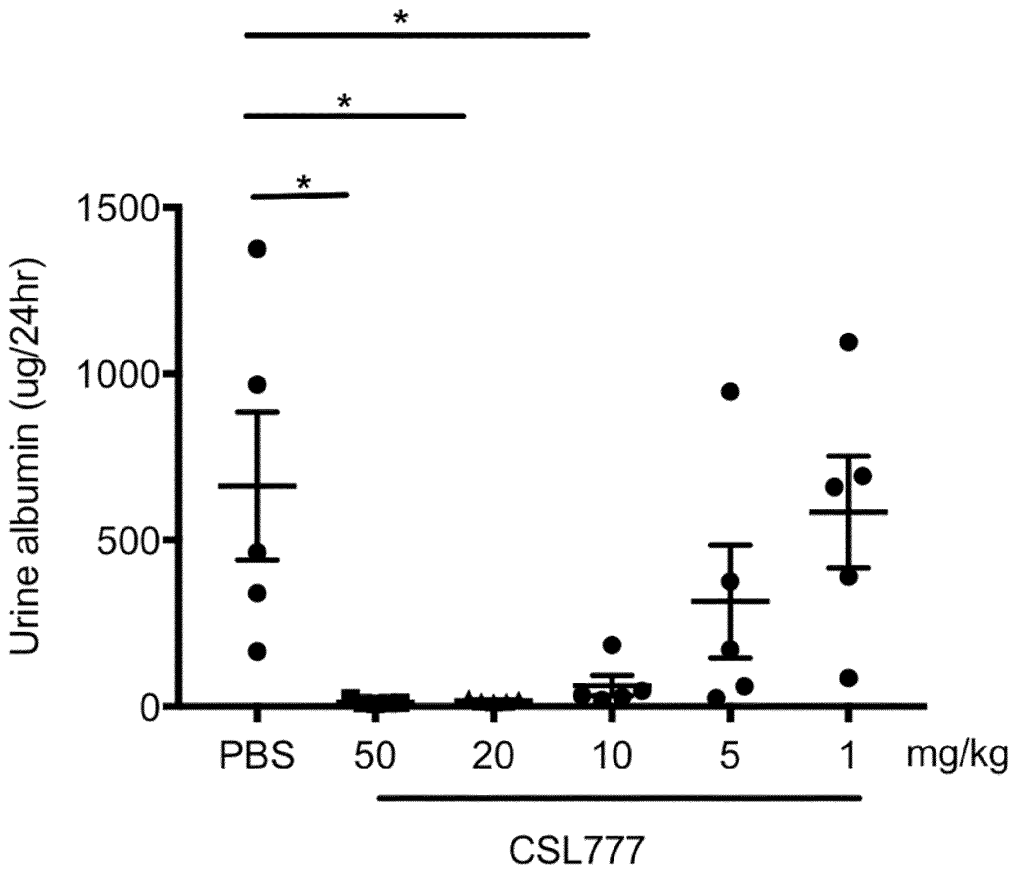

*
*
*
1500
1000
500
0
Urine albumin (ug/24hr)
PBS
50
20
10
5
1
mg/kg
CSL777

Fig. 5

Fc-µtp (SEQ ID NO: 1)

```
EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF        60
NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT       120
ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP       180
PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL       240
VMSDTAGTCY
```

Fc-µtp with signal peptide (SEQ ID NO: 2)

```
MGWSCIILFL VATATGVHSE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT        60
PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG       120
KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD       180
IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY       240
TQKSLSLSPG KPTLYNVSLV MSDTAGTCY
```

Fc-µtp-L309C (SEQ ID NO: 3)

```
EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF        60
NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPAPIEKT       120
ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP       180
PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL       240
VMSDTAGTCY
```

Fc-µtp-L309C with signal peptide (SEQ ID NO: 4)

```
MGWSCIILFL VATATGVHSE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT        60
PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVCHQDWLNG       120
KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD       180
IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY       240
TQKSLSLSPG KPTLYNVSLV MSDTAGTCY
```

DNA sequence of Fc-µtp (SEQ ID NO: 95)

```
gagcccaaga gctgcgacaa gacccacacc tgtccccctt gtcctgcccc tgaactgctg        60
ggcggaccta gcgtgttcct gttcccccca aagcccaagg acaccctgat gatctcccgg       120
acccccgaag tgacctgcgt ggtggtggat gtgtcccacg aggaccctga agtgaagttt       180
aattggtacg tggacggcgt ggaagtgcat aacgccaaga ccaagcccag agaggaacag       240
tacaacagca cctaccgggt ggtgtccgtg ctgaccgtgc tgcaccagga ctggctgaac       300
ggcaaagagt acaagtgcaa ggtgtccaac aaggccctgc ctgccccat cgagaaaacc        360
atcagcaagg ccaagggcca gccccgcgaa ccccaggtgt acacactgcc ccctagcagg       420
gacgagctga ccaagaacca ggtgtccctg acctgtctcg tgaagggctt ctaccccagc       480
gacattgccg tggaatggga gagcaacggc cagcccgaga acaactacaa gaccaccccc       540
cctgtgctgg acagcgacgg ctcattcttc ctgtacagca agctgacagt ggacaagagc       600
cggtggcagc agggcaacgt gttcagctgc agcgtgatgc acgaggccct gcacaaccac       660
tacacccaga agtcactgag cctgagcccc ggcaagccca ccctgtacaa tgtgtccctc       720
gtgatgagcg acaccgccgg cacctgttac
```

DNA Sequence of Fc-µtp-L309C (SEQ ID NO: 96)

```
gagcccaaga gctgcgacaa gacccacacc tgtccccctt gtcctgcccc tgaactgctg        60
ggcggaccta gcgtgttcct gttcccccca aagcccaagg acaccctgat gatctcccgg       120
acccccgaag tgacctgcgt ggtggtggat gtgtcccacg aggaccctga agtgaagttt       180
aattggtacg tggacggcgt ggaagtgcat aacgccaaga ccaagcccag agaggaacag       240
tacaacagca cctaccgggt ggtgtccgtg ctgaccgtgt gccaccagga ctggctgaac       300
ggcaaagagt acaagtgcaa ggtgtccaac aaggccctgc ctgccccat cgagaaaacc        360
atcagcaagg ccaagggcca gccccgcgaa ccccaggtgt acacactgcc ccctagcagg       420
gacgagctga ccaagaacca ggtgtccctg acctgtctcg tgaagggctt ctaccccagc       480
gacattgccg tggaatggga gagcaacggc cagcccgaga acaactacaa gaccaccccc       540
cctgtgctgg acagcgacgg ctcattcttc ctgtacagca agctgacagt ggacaagagc       600
cggtggcagc agggcaacgt gttcagctgc agcgtgatgc acgaggccct gcacaaccac       660
tacacccaga agtcactgag cctgagcccc ggcaagccca ccctgtacaa tgtgtccctc       720
gtgatgagcg acaccgccgg cacctgttac
```

Fig. 6

Hexagard (SEQ ID NO: 12)

```
MYRMQLLSCI ALSLALVTNS DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT        60
CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVCL QDWLNGKEYK       120
CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSREEMTK NQVSLTCLVK GFYPSDIAVE       180
WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS       240
LSLSPGKLVL GPPLYNVSLV MSDTAGTCY
```

Human IgG1 Fc multimer Mu tailpiece (SEQ 26 in WO2015132364) (SEQ ID NO: 36)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

Human IgG4 Fc multimer Mu tailpiece (SEQ 27 in WO2015132364) (SEQ ID NO: 37)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

Human IgG1 Fc multimer alpha tailpiece (SEQ 28 in WO2015132364) (SEQ ID NO: 38)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTHVNVSV VMAEVDGTCY
```

Human IgG4 Fc multimer alpha tailpiece (SEQ 29 in WO2015132364) (SEQ ID NO: 39)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTHVNVSV VMAEVDGTCY
```

Human IgG1 Fc multimer C4 mu tailpiece (SEQ 30 in WO2015132364) (SEQ ID NO: 40)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKVALHRPDV YLLPPAREQL       240
NLRESATITC LVTGFSPADV FVQWMQRGQP LSPEKYVTSA PMPEPQAPGR YFAHSILTVS       300
EEEWNTGETY TCVAHEALPN RVTERTVDKS TGKPTLYNVS LVMSDTAGTC Y
```

Human IgG4 Fc multimer C4 mu tailpiece (SEQ 31 in WO2015132364) (SEQ ID NO: 41)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKVALHRPDV YLLPPAREQL       240
NLRESATITC LVTGFSPADV FVQWMQRGQP LSPEKYVTSA PMPEPQAPGR YFAHSILTVS       300
EEEWNTGETY TCVAHEALPN RVTERTVDKS TGKPTLYNVS LVMSDTAGTC Y
```

Human IgG1 Fc multimer mu tailpiece S267A (SEQ 32 in WO2015132364) (SEQ ID NO: 42)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VAHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

Fig. 6 Continued

IgG1 Fc mu tailpiece (SEQ 33 in WO2015132364) (SEQ ID NO: 43)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc mu tailpiece (SEQ 34 in WO2015132364) (SEQ ID NO: 44)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG1 Fc mu tailpiece L234F (SEQ 35 in WO2015132364) (SEQ ID NO: 45)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG1 Fc mu tailpiece L234F P331S (SEQ 36 in WO2015132364) (SEQ ID NO: 46)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc mu tailpiece F234L (SEQ ID 37 in WO2015132364) (SEQ ID NO: 47)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc mu tailpiece F234L F296Y (SEQ 38 in WO2015132364) (SEQ ID NO: 48)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc mu tailpiece G327A S330A (SEQ 39 in WO2015132364) (SEQ ID NO: 49)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc mu tailpiece G327A S331P (SEQ 40 in WO2015132364) (SEQ ID NO: 50)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPSPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc mu tailpiece S330A S331P (SEQ 41 in WO2015132364) (SEQ ID NO: 51)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPAPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

Fig. 6 Continued

IgG1 CH2 IgG4 CH3 mu tailpiece (SEQ 42 in WO2015132364) (SEQ ID NO: 52)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 mu tailpiece (SEQ 43 in WO2015132364) (SEQ ID NO: 53)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 F234L (SEQ 44 in WO2015132364) (SEQ ID NO: 54)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 G327A S331P (SEQ 45 in WO2015132364) (SEQ ID NO: 55)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPSPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 F234L F296Y (SEQ 46 in WO2015132364) (SEQ ID NO: 56)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 G327A S330A (SEQ 47 in WO2015132364) (SEQ ID NO: 57)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

Human IgG1 Fc multimer IgM tp L309C (SEQ 26 in WO2015132365) (SEQ ID NO: 58)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

Human IgG4 Fc multimer IgM tp L309C (SEQ 27 in WO2015132365) SEQ ID NO: 59)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

Human IgG1 Fc multimer IgA tp L309C (SEQ 28 in WO2015132365) (SEQ ID NO: 60)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTHVNVSV VMAEVDGTCY
```

Fig. 6 Continued

Human IgG4 Fc multimer IgA tp L309C (SEQ 29 in WO2015132365) (SEQ ID NO: 61)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTHVNVSV VMAEVDGTCY
```

Human IgG1 Fc multimer cmu4 IgM tp L309C (SEQ 30 in WO2015132365) (SEQ ID NO: 62)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKVALHRPDV YLLPPAREQL       240
NLRESATITC LVTGFSPADV FVQWMQRGQP LSPEKYVTSA PMPEPQAPGR YFAHSILTVS       300
EEEWNTGETY TCVAHEALPN RVTERTVDKS TGKPTLYNVS LVMSDTAGTC Y
```

Human IgG4 Fc multimer Cmu IgM tp L309C (SEQ 31 in WO2015132365) (SEQ ID NO: 63)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKVALHRPDV YLLPPAREQL       240
NLRESATITC LVTGFSPADV FVQWMQRGQP LSPEKYVTSA PMPEPQAPGR YFAHSILTVS       300
EEEWNTGETY TCVAHEALPN RVTERTVDKS TGKPTLYNVS LVMSDTAGTC Y
```

Human IgG1 Fc multimer IgM tp S267A L309C (SEQ 32 in WO2015132365) (SEQ ID NO: 64)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VAHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG1 Fc IgM tp (SEQ 33 in WO2015132365) (SEQ ID NO: 65)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp (SEQ 34 in WO2015132365) (SEQ ID NO: 66)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG1 Fc IgM tp L234F (SEQ ID NO 35 in WO2015132365) (SEQ ID NO: 67)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG1 Fc IgM tp L234F P331S (SEQ 36 in WO2015132365) (SEQ ID NO: 68)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp F234L (SEQ 37 in WO2015132365) (SEQ ID NO: 69)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

Fig. 6 Continued

IgG4 Fc IgM tp F234L F296Y (SEQ 38 in WO2015132365) (SEQ ID NO: 70)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp G327A S330A (SEQ 39 in WO2015132365) (SEQ ID NO: 71)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp G327A S331P (SEQ 40 in WO2015132365) (SEQ ID NO: 72)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPSPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp S330A S331P (SEQ 41 in WO2015132365) (SEQ ID NO: 73)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPAPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG1 CH2 IgG4 CH3 IgM tp (SEQ 42 in WO2015132365) (SEQ ID NO: 74)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp (SEQ 43 in WO2015132365) (SEQ ID NO: 75)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp F234L (SEQ 44 in WO2015132365) (SEQ ID NO: 76)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp G327A S331P (SEQ 45 in WO2015132365) (SEQ ID NO: 77)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPSPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp F234L F296Y (SEQ 46 in WO2015132365) (SEQ ID NO: 78)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

Fig. 6 Continued

IgG4 CH2 IgG1 CH3 IgM tp G327A S330A (SEQ 47 in WO2015132365) (SEQ ID NO: 79)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG1 Fc IgM tp L309C (SEQ 50 in WO2015132365) (SEQ ID NO: 80)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp L309C (SEQ 51 in WO2015132365) (SEQ ID NO: 81)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG1 Fc IgM tp L309C L234F (SEQ 52 in WO2015132365) (SEQ ID NO: 82)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG1 Fc IgM tp L309C L234F P331S (SEQ 53 in WO2015132365) (SEQ ID NO: 83)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp L309C F234L (SEQ 54 in WO2015132365) (SEQ ID NO: 84)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp L309C F234L F296Y (SEQ 55 in WO2015132365) (SEQ ID NO: 85)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp L309C G327A S330A (SEQ 56 in WO2015132365) (SEQ ID NO: 86)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 Fc IgM tp L309C G327A S331P (SEQ 57 in WO2015132365) (SEQ ID NO: 87)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPSPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

Fig. 6 Continued

IgG4 Fc IgM tp L309C S330A S331P (SEQ 58 in WO2015132365) (SEQ ID NO: 88)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPAPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG1 CH2 IgG4 CH3 IgM tp L309C (SEQ 59 in WO2015132365) (SEQ ID NO: 89)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE       120
PQVYTLPPSQ EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSRLTVDKS RWQEGNVFSC SVMHEALHNH YTQKSLSLSL GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp L309C (SEQ 60 in WO2015132365) (SEQ ID NO: 90)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp L309C F234L (SEQ 61 in WO2015132365) (SEQ ID NO: 91)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp L309C G327A S331P (SEQ 62 WO2015132365) (SEQ ID NO: 92)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPSPIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp L309C F234L F296Y (SEQ 63 in WO2015132365) (SEQ ID NO: 93)

```
CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ YNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KGLPSSIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

IgG4 CH2 IgG1 CH3 IgM tp L309C G327A S330A (SEQ 64 in WO2015132365) (SEQ ID NO: 94)

```
CPPCPAPEFL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSQEDPEVQF NWYVDGVEVH        60
NAKTKPREEQ FNSTYRVVSV LTVCHQDWLN GKEYKCKVSN KALPASIEKT ISKAKGQPRE       120
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF       180
LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKPTLYNVSL VMSDTAGTCY
```

Fig. 7

Stradomer Leader sequence, IgG1 Fc, IgG2 hinge (SEQ ID NO: 4 in WO2012016073) (SEQ ID NO: 5)

```
METDTLLLWV LLLWVPGSTG EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR        60
TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN       120
GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR EEMTKNQVSL TCLVKGFYPS       180
DIAVEWESNG QPENNYKTTP PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH       240
YTQKSLSLSP GKERKCCVEC PPCP
```

Fig. 8

Recombinant Fc compound (SEQ ID NO: 6 in WO 2017172853) (SEQ ID NO: 6)

```
ETVTCEDAQK TCPAVIACSS PGINGFPGKD GRDGTKGEKG EPGQGLRGLQ GPPGKLGPPG        60
NPGPSGSPGP KGQKGDPGKG GGGSGGGGSG GGGSRTVAAP SVFIFPPSDE QLKSGTASVV       120
CLLNNFYPRE AKVQWKVDNA LQSGNSQESV TEQDSKDSTY SLSSTLTLSK ADYEKHKVYA       180
CEVTHQGLSS PVTKSFNRGE CGGGGSGGGG SASTKGPSVF PLAPSSKSTS GGTAALGCLV       240
KDYFPEPVTV SWNSGALTSG VHTFPAVLQS SGLYSLSSVV TVPSSSLGTQ TYICNVNHKP       300
SNTKVDKRVE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV       360
SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK       420
ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ       480
PENNYKTTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG       540
GGGGSGGGGS GGGGSGGGGS GGGGSEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT       600
LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH       660
QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK       720
GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE       780
ALHNHYTQKS LSLSPG
```

Recombinant Fc compound (SEQ ID NO: 4 in WO2017172853) (SEQ ID NO: 7)

```
VEIKRTVAAP SVFIFPPSDE QLKSGTASVV CLLNNFYPRE AKVQWKVDNA LQSGNSQESV        60
TEQDSKDSTY SLSSTLTLSK ADYEKHKVYA CEVTHQGLSS PVTKSFNRGE CGGGGSGGGG       120
SASTKGPSVF PLAPSSKSTS GGTAALGCLV KDYFPEPVTV SWNSGALTSG VHTFPAVLQS       180
SGLYSLSSVV TVPSSSLGTQ TYICNVNHKP SNTKVDKRVE PKSCDKTHTC PPCPAPELLG       240
GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY       300
NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD       360
ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSR       420
WQQGNVFSCS VMHEALHNHY TQKSLSLSPG GGGGSGGGGS GGGGSGGGGS GGGGSEPKSC       480
DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD       540
GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK       600
GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS       660
DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGGGGG SGPPGISGPP       720
GDPGLPGKDG DHGKPGIQGQ PGPPGICDPS LCFSVIARRD PFRKGPNY
```

Fig. 9

Human IgA1 hinge (SEQ ID NO: 14): VPSTPPTPSPSTPPTPSPS

Human IgA2 hinge (SEQ ID NO: 15): VPPPPP

Human IgD hinge (SEQ ID NO: 16):
ESPKAQASSVPTAQPQAEGSLAKATTAPATTRNTGRGGEEKKKEKEKEEQEERETKTP

Human IgG1 hinge (SEQ ID NO: 17): EPKSCDKTHTCPPCP

Human IgG2 hinge (SEQ ID NO: 18): ERKCCVECPPCP

Human IgG3 hinge (SEQ ID NO: 19):
ELKTPLGDTTHTCPRCPEPKSCDTPPPCPRCPEPKSCDTPPPCPRCPEPKSCDTPPPCPRCP

Human IgG4 hinge (SEQ ID NO: 20): ESKYGPPCPSCP

Human IgG4 hinge P-variant (SEQ ID NO: 21): ESKYGPPCPPCP

Recombinant hinge (SEQ 12 in WO2015132364) (SEQ ID NO: 22): CPSC

Recombinant hinge (SEQ ID NO 13 in WO2015132364) (SEQ ID NO: 23): CPRC

Recombinant hinge (SEQ ID NO 14 in WO2015132364) (SEQ ID NO: 24): SPPC

Recombinant hinge (SEQ ID NO 15 in WO2015132364) (SEQ ID NO: 25): CPPS

Recombinant hinge (SEQ ID NO: 16 in WO2015132364) (SEQ ID NO: 26): SPPS

Recombinant hinge (SEQ ID NO: 17 in WO2015132364) (SEQ ID NO: 27): DKTHTCAA

Recombinant hinge (SEQ ID NO: 18 in WO2015132364) (SEQ ID NO: 28): DKTHTCPPCPA

Recombinant hinge (SEQ ID NO: 19 in WO2015132364) (SEQ ID NO: 29): DKTHTCPPCPATCPPCPA

Recombinant hinge (SEQ ID NO: 20 in WO2015132364) (SEQ ID NO: 30):
DKTHTCPPCPATCPPCPATCPPCPA

Recombinant hinge (SEQ ID NO: 21 in WO2015132364) (SEQ ID NO: 31):
DKTHTCPPCPAGKPTLYNSLVMSDTAGTCY

Recombinant hinge (SEQ ID NO: 22 in WO2015132364) (SEQ ID NO: 32): DKTHTCPPCP
AGKPTHVNVS VVMAEVDGTC Y

Recombinant hinge (SEQ ID NO: 23 in WO2015132364) (SEQ ID NO: 33): DKTHTCCVECPPCPA

Recombinant hinge (SEQ ID NO: 24 in WO2015132364) (SEQ ID NO: 34):
DKTHTCPRCPEPKSCDTPPPCPRCPA

Recombinant hinge (SEQ ID NO: 25 in WO2015132364) (SEQ ID NO: 35): DKTHTCPSCPA

Fig. 10

Sequences for trivalent Fc multimers

SEQ ID NO: 97
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKGGGGGGGG
GGGGGGGGGGGGDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVH
NAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSL
TCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLS
PG

SEQ ID NO: 98
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKGGGGGGGG
GGGGGGGGGGGGDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVH
NAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSL
TCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLS
PGK

SEQ ID NO: 99
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTKNQVSLSCAVDGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 100
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTKNQVSLSCAVDGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO: 101
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO: 102
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

Fig. 10 Continued

SEQ ID NO: 103
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKGGGSGGGSGG
GSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN
STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIA
VEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO: 104
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKGGGSGGGSGG
GSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN
STYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIA
VEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 105
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDELTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO: 106
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDELTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 107
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTKNQVSLSCAVKGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO: 108
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTKNQVSLSCAVKGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 109
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTKNQVSLSCAVEGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO: 110
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTKNQVSLSCAVEGFYPSDIAVE
WESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

Fig. 10 Continued

SEQ ID NO: 111
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO: 112
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 113
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDELTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKSGGGSGGGS
GGGSGGGSGGGDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL
VKGFYPSDIAVEWESNGQPENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG
K

SEQ ID NO: 114
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDELTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKSGGGSGGGS
GGGSGGGSGGGDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL
VKGFYPSDIAVEWESNGQPENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 115
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKSGGGSGGGS
GGGSGGGSGGGDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL
VKGFYPSDIAVEWESNGQPENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG
K

SEQ ID NO: 116
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKSGGGSGGGS
GGGSGGGSGGGDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL
VKGFYPSDIAVEWESNGQPENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

Fig. 10 Continued

SEQ ID NO: 117
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDELTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKSGGGSGGGS
GGGSGGGSGGGDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDELTKNQVSLWC
LVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSP
GK

SEQ ID NO: 118
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDELTKNQVSLWCLVKGFYPSDIAV
EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKSGGGSGGGS
GGGSGGGSGGGDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDELTKNQVSLWC
LVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSP
G

SEQ ID NO: 119
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTK
PREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTK
NQVSLSCAVDGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSVM
HEALHNHYTQKSLSLSPG

SEQ ID NO: 120
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTK
PREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLTK
NQVSLWCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVM
HEALHNHYTQKSLSLSPGKGGGGGGGGGGGGGGGGGGGDKTHTCPPCPAPELLGGPSVFLFPPKPK
DTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGK
EYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 121
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLM**A**SRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT
KPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLT
KNQVSLWCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSV
MHEALHNHYTQKSLSLSPGKGGGGGGGGGGGGGGGGGGGDKTHTCPPCPAPELLGGPSVFLFPPKP
KDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNG
KEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQP
ENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 122
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLM**A**SRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT
KP**P**EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELT
KNQVSLSCAVDGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSV
MHEALHNHYTQKSLSLSPG

Fig. 10 Continued

SEQ ID NO: 123
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMASRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT
KPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELT
KNQVSLSCAVDGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSV
MHEALHNHYTQKSLSLSPG (SEQ ID NO: 63).

SEQ ID NO: 124
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTK
P**P**EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTK
NQVSLSCAVDGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLVSKLTVDKSRWQQGNVFSCSVM
HEALHNHYTQKSLSLSPG

SEQ ID NO: 125
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTK
P**P**EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLTK
NQVSLWCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVM
HEALHNHYTQKSLSLSPGKGGGGGGGGGGGGGGGGGGGGDKTHTCPPCPAPELLGGPSVFLFPPKPK
DTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP**P**EEQYNSTYRVVSVLTVLHQDWLNGK
EYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPE
NNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 126
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLM**A**SRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT
KP**P**EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLT
KNQVSLWCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSV
MHEALHNHYTQKSLSLSPGKGGGGGGGGGGGGGGGGGGGGDKTHTCPPCPAPELLGGPSVFLFPPKP
KDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP**P**EEQYNSTYRVVSVLTVLHQDWLNG
KEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQP
ENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG

SEQ ID NO: 127
DKTHTCPPCPAPELLGGPSVFLFPPKPKDTLM**A**SRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT
KP**P**EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPCRDKLT
KNQVSLWCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSV
MHEALHNHYTQKSLSLSPGKGGGGGGGGGGGGGGGGGGGGDKTHTCPPCPAPELLGGPSVFLFPPKP
KDTLM**A**SRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP**P**EEQYNSTYRVVSVLTVLHQDWLN
GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQ
PENNYKTTPPVLKSDGSFFLYSDLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPG