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<141> 2019-11-08

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Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe Asp Val Ala
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Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu Phe Ile Asn
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Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val Ser Leu Glu
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Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Glu Val Gln Leu Val Glu
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Ser Gly Gly Gly Ser Val Gln Pro Gly Gly Ser Leu Thr Leu Ser Cys
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cct gga aag gaa cgt gag ttt gtc gct gct gtt agg tgg tct tct act       1389
Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Val Arg Trp Ser Ser Thr
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Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser Val Lys Ser Arg Phe Thr
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Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Glu Met Asn Ser
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Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala Asp Thr Tyr
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Thr Gln Val Thr Val Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp
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Asp Lys Trp Leu Phe Pro Val Gly Asp Tyr Lys Asp Asp Asp Asp Lys
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ttgcctgaga gatgcaggct tcatttttga tacttttta tttgtaacct atatagtata     1850

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Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu
    50                  55                  60


Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
65                  70                  75                  80


Ser Leu Glu Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Glu Val Gln
                85                  90                  95


Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly Ser Leu Thr
            100                 105                 110


Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met Gly Trp Phe
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Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Val Arg Trp
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Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser Val Lys Ser
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Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Glu
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Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala
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Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr Asp Phe Arg
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Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr Asp Phe Arg
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Ser Leu Glu Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Met Gln Val
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Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser Leu
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Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Val
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Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
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Ser Leu Glu Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Met Gln Val
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Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu Phe Ile Asn
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act act att gcc agc att gct gct aaa gaa gaa ggg gta tct ctc gag       1197
Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val Ser Leu Glu
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aaa aga gag gct gaa gct tac gta gaa ttc atg cag gtt caa ttg gtt       1245
Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Met Gln Val Gln Leu Val
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gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca cta aga tta tcc       1293
Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser
100                 105                 110                 115

tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc atg aga tgg tat       1341
Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser Met Arg Trp Tyr
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Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala Gly Met Ser Ser
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gct gga gat aga tcc tca tac gag gat tct gtc aaa gga agg ttt act       1437
Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys Gly Arg Phe Thr
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Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu Gln Met Asn Ser
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ctg aaa cca gaa gac act gca gta tat tac tgc aac gtc aac gta ggt       1533
Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Val Asn Val Gly
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Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly
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Ser Asp Tyr Lys Asp Asp Asp Asp Lys Phe Val Gly Ala Arg Leu Asp
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Tyr Lys Asp Asp Asp Asp Lys
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tttgtaacct atatagtata ggatttttt tgtcattttg tttcttctcg tacgagcttg      1863

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<220>
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Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe
        35                  40                  45

Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu
    50                  55                  60

Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
65                  70                  75                  80

Ser Leu Glu Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Met Gln Val
                85                  90                  95

Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser Leu
            100                 105                 110

Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser Met
        115                 120                 125

Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala Gly
    130                 135                 140

Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys Gly
145                 150                 155                 160

Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu Gln
                165                 170                 175

Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Val
            180                 185                 190

Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser
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Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe
35 40 45

Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu
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Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
65 70 75 80

Ser Leu Glu Lys Arg Glu Ala Glu Ala Tyr Val Glu Phe Met Gln Val
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Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser Leu
100 105 110

Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser Met

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Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala Gly
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Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys Gly
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Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu Gln
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Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Val
            180                 185                 190

Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser
        195                 200                 205

Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Phe Val Gly Ala
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Arg Leu Asp Tyr Lys Asp Asp Asp Asp Lys
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1               5                   10
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Asp Ile Val Val Leu Gly Val Glu Lys
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<400> 21

Leu Ile His Val Leu Asp Ala Gly Arg
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<210> 22
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<220>
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<400> 22

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<211> 8
<212> PRT
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<400> 23

Leu Glu Asp Leu Leu Leu Asp Arg
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<210> 25
<211> 8
<212> PRT

<213> Artificial Sequence

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<400> 25

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<212> PRT
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Val Glu Leu Gln Gln Glu Val Glu Lys
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<210> 27
<211> 8
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<400> 27

Asn Ile Phe Glu Gln Leu His Arg
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Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
20 25 30

gga tgg ttc aga caa gct cct gga aag gaa cgt gag ttt gtc gct gct 144
Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
35 40 45

gtt agg tgg tct tct act ggt atc tat tat acc caa tat gct gac tca 192

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    50                  55                  60

gtt aaa agt aga ttt act att tca aga gac aat gca aag aac acc gta        240
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

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Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

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Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110

gac ttt cga ggt caa gga aca cag gtg aca gtg tcc agt gga ggc agt        384
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

gac tac aaa gat gac gac gat aaa gac atc gtc gtt tta gga gtt gag        432
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    130                 135                 140

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<210> 29
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<400> 29

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45

Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60

Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110
```

```
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125


Asp Tyr Lys Asp Asp Asp Asp Lys Asp Ile Val Val Leu Gly Val Glu
    130                 135                 140


Lys
145


<210>  30
<211>  145
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Anti-CD4-FLAG-barcode 4-1


<220>
<221>  MISC_FEATURE
<222>  (1)..(125)
<223>  Anti-CD4

<220>
<221>  MISC_FEATURE
<222>  (129)..(136)
<223>  FLAG

<220>
<221>  MISC_FEATURE
<222>  (137)..(145)
<223>  Barcode 4-1

<400>  30

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30


Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45


Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60


Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80


Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110
```

```
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125


Asp Tyr Lys Asp Asp Asp Asp Lys Asp Ile Val Val Leu Gly Val Glu
    130                 135                 140


Lys
145


<210>  31
<211>  438
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Anti-CD4-FLAG-barcode 4-2


<220>
<221>  CDS
<222>  (1)..(438)

<400>  31
gaa gtt cag tta gtt gaa tct ggt ggt ggc tct gtc caa cct ggt ggt          48
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15

tct ctt act ttg tcc tgt ggt act tcc ggt aga acc ttc aac gtt atg          96
Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30

gga tgg ttc aga caa gct cct gga aag gaa cgt gag ttt gtc gct gct         144
Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45

gtt agg tgg tct tct act ggt atc tat tat acc caa tat gct gac tca         192
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60

gtt aaa agt aga ttt act att tca aga gac aat gca aag aac acc gta         240
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

tac ttg gag atg aat tca ctg aag cca gag gac acg gct gtc tac tac         288
Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

tgc gca gcc gac aca tat aac tcc aat cca gcc aga tgg gac gga tat         336
Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110

gac ttt cga ggt caa gga aca cag gtg aca gtg tcc agt gga ggc agt         384
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

gac tac aaa gat gac gac gat aaa ctt atc cac gtt ctt gac gcc ggt         432
Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ile His Val Leu Asp Ala Gly
    130                 135                 140

aga taa                                                                438
Arg
145
```

<210> 32
<211> 145
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 32

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
20 25 30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
35 40 45

Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
50 55 60

Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65 70 75 80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
100 105 110

Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
115 120 125

Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ile His Val Leu Asp Ala Gly
130 135 140

Arg
145

<210> 33
<211> 145
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-CD4-FLAG-barcode 4-2

<220>
<221> MISC_FEATURE
<222> (1)..(125)
<223> CD4

<220>

<221> MISC_FEATURE
<222> (129)..(136)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (137)..(145)
<223> Barcode 4-2

<400> 33

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
20 25 30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
35 40 45

Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
50 55 60

Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65 70 75 80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
100 105 110

Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
115 120 125

Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ile His Val Leu Asp Ala Gly
130 135 140

Arg
145

<210> 34
<211> 441
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-CD4-FLAG-barcode 4-3

<220>
<221> CDS
<222> (1)..(441)

<400> 34
gaa gtt cag tta gtt gaa tct ggt ggt ggc tct gtc caa cct ggt ggt 48

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15

tct ctt act ttg tcc tgt ggt act tcc ggt aga acc ttc aac gtt atg          96
Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30

gga tgg ttc aga caa gct cct gga aag gaa cgt gag ttt gtc gct gct         144
Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45

gtt agg tgg tct tct act ggt atc tat tat acc caa tat gct gac tca         192
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60

gtt aaa agt aga ttt act att tca aga gac aat gca aag aac acc gta         240
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

tac ttg gag atg aat tca ctg aag cca gag gac acg gct gtc tac tac         288
Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

tgc gca gcc gac aca tat aac tcc aat cca gcc aga tgg gac gga tat         336
Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110

gac ttt cga ggt caa gga aca cag gtg aca gtg tcc agt gga ggc agt         384
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

gac tac aaa gat gac gac gat aaa tta cat gcc ata cta ttt gga ctt         432
Asp Tyr Lys Asp Asp Asp Asp Lys Leu His Ala Ile Leu Phe Gly Leu
    130                 135                 140

ccc aga taa                                                            441
Pro Arg
145
```

<210> 35
<211> 146
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 35

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30


Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45


Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60
```

```
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80


Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110


Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125


Asp Tyr Lys Asp Asp Asp Asp Lys Leu His Ala Ile Leu Phe Gly Leu
    130                 135                 140


Pro Arg
145


<210>  36
<211>  146
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Anti-CD4-FLAG-barcode 4-3


<220>
<221>  MISC_FEATURE
<222>  (1)..(125)
<223>  CD4

<220>
<221>  MISC_FEATURE
<222>  (129)..(136)
<223>  FLAG

<220>
<221>  MISC_FEATURE
<222>  (137)..(146)
<223>  Barcode 4-3

<400>  36

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30


Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45


Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60
```

```
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80


Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110


Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125


Asp Tyr Lys Asp Asp Asp Asp Lys Leu His Ala Ile Leu Phe Gly Leu
    130                 135                 140


Pro Arg
145


<210>  37
<211>  435
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Anti-CD4-FLAG-barcode 4-4


<220>
<221>  CDS
<222>  (1)..(435)

<400>  37
gaa gtt cag tta gtt gaa tct ggt ggt ggc tct gtc caa cct ggt ggt         48
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15

tct ctt act ttg tcc tgt ggt act tcc ggt aga acc ttc aac gtt atg         96
Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30

gga tgg ttc aga caa gct cct gga aag gaa cgt gag ttt gtc gct gct        144
Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45

gtt agg tgg tct tct act ggt atc tat tat acc caa tat gct gac tca        192
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60

gtt aaa agt aga ttt act att tca aga gac aat gca aag aac acc gta        240
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

tac ttg gag atg aat tca ctg aag cca gag gac acg gct gtc tac tac        288
Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

tgc gca gcc gac aca tat aac tcc aat cca gcc aga tgg gac gga tat        336
Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110
```

```
gac ttt cga ggt caa gga aca cag gtg aca gtg tcc agt gga ggc agt        384
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

gac tac aaa gat gac gac gat aaa ttg gag gat ctg ttg ctt gat aga        432
Asp Tyr Lys Asp Asp Asp Asp Lys Leu Glu Asp Leu Leu Leu Asp Arg
    130                 135                 140

taa                                                                    435


<210>  38
<211>  144
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  38

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30


Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45


Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60


Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80


Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110


Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125


Asp Tyr Lys Asp Asp Asp Asp Lys Leu Glu Asp Leu Leu Leu Asp Arg
    130                 135                 140


<210>  39
<211>  144
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Anti-CD4-FLAG-barcode 4-4
```

<220>
<221> MISC_FEATURE
<222> (1)..(125)
<223> Anti-CD4

<220>
<221> MISC_FEATURE
<222> (129)..(136)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (137)..(144)
<223> Barcode 4-4

<400> 39

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20   25   30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35   40   45

Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50   55   60

Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65   70   75   80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85   90   95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100   105   110

Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115   120   125

Asp Tyr Lys Asp Asp Asp Asp Lys Leu Glu Asp Leu Leu Leu Asp Arg
    130   135   140

<210> 40
<211> 438
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-CD4-FLAG-barcode 4-5

<220>
<221> CDS
<222> (1)..(438)

<400> 40
gaa gtt cag tta gtt gaa tct ggt ggt ggc tct gtc caa cct ggt ggt 48
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1 5 10 15

tct ctt act ttg tcc tgt ggt act tcc ggt aga acc ttc aac gtt atg 96
Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
20 25 30

gga tgg ttc aga caa gct cct gga aag gaa cgt gag ttt gtc gct gct 144
Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
35 40 45

gtt agg tgg tct tct act ggt atc tat tat acc caa tat gct gac tca 192
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
50 55 60

gtt aaa agt aga ttt act att tca aga gac aat gca aag aac acc gta 240
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65 70 75 80

tac ttg gag atg aat tca ctg aag cca gag gac acg gct gtc tac tac 288
Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
85 90 95

tgc gca gcc gac aca tat aac tcc aat cca gcc aga tgg gac gga tat 336
Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
100 105 110

gac ttt cga ggt caa gga aca cag gtg aca gtg tcc agt gga ggc agt 384
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
115 120 125

gac tac aaa gat gac gac gat aaa tta gca gag att cat ggt gtt cca 432
Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ala Glu Ile His Gly Val Pro
130 135 140

agg taa 438
Arg
145

<210> 41
<211> 145
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 41

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
20 25 30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
35 40 45

Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
50 55 60

```
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110

Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ala Glu Ile His Gly Val Pro
    130                 135                 140

Arg
145
```

<210> 42
<211> 145
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-CD4-FLAG-barcode 4-5

<220>
<221> MISC_FEATURE
<222> (1)..(125)
<223> Anti-CD4

<220>
<221> MISC_FEATURE
<222> (129)..(136)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (137)..(145)
<223> Barcode 4-5

<400> 42

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45

Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60
```

```
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110

Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ala Glu Ile His Gly Val Pro
    130                 135                 140

Arg
145
```

<210> 43
<211> 435
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-CD4-FLAG-barcode 4-6

<220>
<221> CDS
<222> (1)..(435)

<400> 43

```
gaa gtt cag tta gtt gaa tct ggt ggt ggc tct gtc caa cct ggt ggt          48
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15

tct ctt act ttg tcc tgt ggt act tcc ggt aga acc ttc aac gtt atg          96
Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30

gga tgg ttc aga caa gct cct gga aag gaa cgt gag ttt gtc gct gct         144
Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45

gtt agg tgg tct tct act ggt atc tat tat acc caa tat gct gac tca         192
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60

gtt aaa agt aga ttt act att tca aga gac aat gca aag aac acc gta         240
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

tac ttg gag atg aat tca ctg aag cca gag gac acg gct gtc tac tac         288
Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

tgc gca gcc gac aca tat aac tcc aat cca gcc aga tgg gac gga tat         336
Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
```

```
            100                 105                 110

gac ttt cga ggt caa gga aca cag gtg aca gtg tcc agt gga ggc agt        384
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

gac tac aaa gat gac gac gat aaa ttt cag ttc ttg tgg ggc cct agg        432
Asp Tyr Lys Asp Asp Asp Asp Lys Phe Gln Phe Leu Trp Gly Pro Arg
    130                 135                 140

taa                                                                    435


<210>  44
<211>  144
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  44

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30


Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45


Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60


Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80


Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110


Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125


Asp Tyr Lys Asp Asp Asp Asp Lys Phe Gln Phe Leu Trp Gly Pro Arg
    130                 135                 140


<210>  45
<211>  144
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Anti-CD4-FLAG-barcode 4-6
```

<220>
<221> MISC_FEATURE
<222> (1)..(125)
<223> Anti-CD4

<220>
<221> MISC_FEATURE
<222> (129)..(136)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (137)..(144)
<223> Barcode 4-6

<400> 45

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20   25   30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35   40   45

Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50   55   60

Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65   70   75   80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85   90   95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100   105   110

Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115   120   125

Asp Tyr Lys Asp Asp Asp Asp Lys Phe Gln Phe Leu Trp Gly Pro Arg
    130   135   140

<210> 46
<211> 438
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-CD4-FLAG-barcode 4-7

<220>
<221> CDS

<222> (1)..(438)

<400> 46
gaa gtt cag tta gtt gaa tct ggt ggt ggc tct gtc caa cct ggt ggt 48
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1 5 10 15

tct ctt act ttg tcc tgt ggt act tcc ggt aga acc ttc aac gtt atg 96
Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
20 25 30

gga tgg ttc aga caa gct cct gga aag gaa cgt gag ttt gtc gct gct 144
Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
35 40 45

gtt agg tgg tct tct act ggt atc tat tat acc caa tat gct gac tca 192
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
50 55 60

gtt aaa agt aga ttt act att tca aga gac aat gca aag aac acc gta 240
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65 70 75 80

tac ttg gag atg aat tca ctg aag cca gag gac acg gct gtc tac tac 288
Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
85 90 95

tgc gca gcc gac aca tat aac tcc aat cca gcc aga tgg gac gga tat 336
Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
100 105 110

gac ttt cga ggt caa gga aca cag gtg aca gtg tcc agt gga ggc agt 384
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
115 120 125

gac tac aaa gat gac gac gat aaa gta gaa cta cag caa gaa gtg gaa 432
Asp Tyr Lys Asp Asp Asp Asp Lys Val Glu Leu Gln Gln Glu Val Glu
130 135 140

aaa taa 438
Lys
145

<210> 47
<211> 145
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 47

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
20 25 30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
35 40 45

```
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60

Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110

Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

Asp Tyr Lys Asp Asp Asp Asp Lys Val Glu Leu Gln Gln Glu Val Glu
    130                 135                 140

Lys
145
```

<210> 48
<211> 145
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-CD4-FLAG-barcode 4-7

<220>
<221> MISC_FEATURE
<222> (1)..(125)
<223> Anti-CD4

<220>
<221> MISC_FEATURE
<222> (129)..(136)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (137)..(145)
<223> Barcode 4-7

<400> 48

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30

Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45
```

```
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60

Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95

Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110

Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

Asp Tyr Lys Asp Asp Asp Asp Lys Val Glu Leu Gln Gln Glu Val Glu
    130                 135                 140

Lys
145
```

<210> 49
<211> 435
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-CD4-FLAG-barcode 4-8

<220>
<221> CDS
<222> (1)..(435)

<400> 49

```
gaa gtt cag tta gtt gaa tct ggt ggt ggc tct gtc caa cct ggt ggt          48
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15

tct ctt act ttg tcc tgt ggt act tcc ggt aga acc ttc aac gtt atg          96
Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30

gga tgg ttc aga caa gct cct gga aag gaa cgt gag ttt gtc gct gct         144
Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45

gtt agg tgg tct tct act ggt atc tat tat acc caa tat gct gac tca         192
Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60

gtt aaa agt aga ttt act att tca aga gac aat gca aag aac acc gta         240
Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80

tac ttg gag atg aat tca ctg aag cca gag gac acg gct gtc tac tac         288
Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95
```

```
tgc gca gcc gac aca tat aac tcc aat cca gcc aga tgg gac gga tat        336
Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110

gac ttt cga ggt caa gga aca cag gtg aca gtg tcc agt gga ggc agt        384
Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125

gac tac aaa gat gac gac gat aaa aat ata ttc gag cag ctt cac cgt        432
Asp Tyr Lys Asp Asp Asp Asp Lys Asn Ile Phe Glu Gln Leu His Arg
    130                 135                 140

taa                                                                    435


<210>  50
<211>  144
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  50

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30


Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45


Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60


Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80


Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110


Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125


Asp Tyr Lys Asp Asp Asp Asp Lys Asn Ile Phe Glu Gln Leu His Arg
    130                 135                 140


<210>  51
<211>  144
<212>  PRT
<213>  Artificial Sequence
```

<220>
<223> Anti-CD4-FLAG-barcode 4-8

<220>
<221> MISC_FEATURE
<222> (1)..(125)
<223> Anti-CD4

<220>
<221> MISC_FEATURE
<222> (129)..(136)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (137)..(144)
<223> Barcode 4-8

<400> 51

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Gly Thr Ser Gly Arg Thr Phe Asn Val Met
            20                  25                  30


Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala
        35                  40                  45


Val Arg Trp Ser Ser Thr Gly Ile Tyr Tyr Thr Gln Tyr Ala Asp Ser
    50                  55                  60


Val Lys Ser Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
65                  70                  75                  80


Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Ala Asp Thr Tyr Asn Ser Asn Pro Ala Arg Trp Asp Gly Tyr
            100                 105                 110


Asp Phe Arg Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Ser
        115                 120                 125


Asp Tyr Lys Asp Asp Asp Asp Lys Asn Ile Phe Glu Gln Leu His Arg
    130                 135                 140
```

<210> 52
<211> 405
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-1

<220>
<221> CDS
<222> (1)..(405)

<400> 52
gtt caa ttg gtt gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca 48
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

cta aga tta tcc tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc 96
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

atg aga tgg tat aga cag gct cca ggt aaa gaa aga gag tgg gtc gct 144
Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

ggt atg tca tct gct gga gat aga tcc tca tac gag gat tct gtc aaa 192
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

gga agg ttt act att agt cgt gac gac gca cgt aat acc gtt tat ttg 240
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

caa atg aat tct ctg aaa cca gaa gac act gca gta tat tac tgc aac 288
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

gtc aac gta ggt ttc gag tac tgg ggc caa ggt aca cag gtg acg gtg 336
Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

tct agt ggc ggt agt gac tat aaa gat gat gat gat aag gac atc gtc 384
Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Asp Ile Val
115 120 125

gtt tta gga gtt gag aag taa 405
Val Leu Gly Val Glu Lys
130

<210> 53
<211> 134
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 53

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Asp Ile Val
115 120 125

Val Leu Gly Val Glu Lys
130

<210> 54
<211> 134
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-1

<220>
<221> MISC_FEATURE
<222> (1)..(114)
<223> Anti-GFP

<220>
<221> MISC_FEATURE
<222> (118)..(125)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (126)..(134)
<223> Barcode 4-1

<400> 54

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

```
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Asp Ile Val
        115                 120                 125

Val Leu Gly Val Glu Lys
    130
```

<210> 55
<211> 405
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-2

<220>
<221> CDS
<222> (1)..(405)

<400> 55

```
gtt caa ttg gtt gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca         48
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

cta aga tta tcc tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc         96
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

atg aga tgg tat aga cag gct cca ggt aaa gaa aga gag tgg gtc gct        144
Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

ggt atg tca tct gct gga gat aga tcc tca tac gag gat tct gtc aaa        192
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

gga agg ttt act att agt cgt gac gac gca cgt aat acc gtt tat ttg        240
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

caa atg aat tct ctg aaa cca gaa gac act gca gta tat tac tgc aac        288
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

gtc aac gta ggt ttc gag tac tgg ggc caa ggt aca cag gtg acg gtg        336
Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

tct agt ggc ggt agt gac tat aaa gat gat gat gat aag ctt atc cac        384
Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ile His
        115                 120                 125

gtt ctt gac gcc ggt aga taa                                            405
Val Leu Asp Ala Gly Arg
```

130

<210> 56
<211> 134
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 56

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ile His
115 120 125

Val Leu Asp Ala Gly Arg
130

<210> 57
<211> 134
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-2

<220>
<221> MISC_FEATURE
<222> (1)..(114)
<223> Anti-GFP

<220>
<221> MISC_FEATURE
<222> (118)..(125)

<223> FLAG

<220>
<221> MISC_FEATURE
<222> (126)..(134)
<223> Barcode 4-2

<400> 57

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ile His
115 120 125

Val Leu Asp Ala Gly Arg
130

<210> 58
<211> 408
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-3

<220>
<221> CDS
<222> (1)..(408)

<400> 58
gtt caa ttg gtt gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca 48
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

cta aga tta tcc tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc 96
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

```
atg aga tgg tat aga cag gct cca ggt aaa gaa aga gag tgg gtc gct        144
Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

ggt atg tca tct gct gga gat aga tcc tca tac gag gat tct gtc aaa        192
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

gga agg ttt act att agt cgt gac gac gca cgt aat acc gtt tat ttg        240
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

caa atg aat tct ctg aaa cca gaa gac act gca gta tat tac tgc aac        288
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

gtc aac gta ggt ttc gag tac tgg ggc caa ggt aca cag gtg acg gtg        336
Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

tct agt ggc ggt agt gac tat aaa gat gat gat gat aag tta cat gcc        384
Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu His Ala
        115                 120                 125

ata cta ttt gga ctt ccc aga taa                                        408
Ile Leu Phe Gly Leu Pro Arg
    130                 135
```

<210> 59
<211> 135
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 59

```
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110
```

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu His Ala
115 120 125

Ile Leu Phe Gly Leu Pro Arg
130 135

<210> 60
<211> 135
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-3

<220>
<221> MISC_FEATURE
<222> (1)..(114)
<223> Anti-GFP

<220>
<221> MISC_FEATURE
<222> (118)..(125)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (126)..(135)
<223> Barcode 4-3

<400> 60

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu His Ala
115 120 125

```
Ile Leu Phe Gly Leu Pro Arg
    130                 135


<210>  61
<211>  402
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Anti-GFP-FLAG-barcode 4-4


<220>
<221>  CDS
<222>  (1)..(402)

<400>  61
gtt caa ttg gtt gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca         48
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

cta aga tta tcc tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc         96
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

atg aga tgg tat aga cag gct cca ggt aaa gaa aga gag tgg gtc gct        144
Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

ggt atg tca tct gct gga gat aga tcc tca tac gag gat tct gtc aaa        192
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

gga agg ttt act att agt cgt gac gac gca cgt aat acc gtt tat ttg        240
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

caa atg aat tct ctg aaa cca gaa gac act gca gta tat tac tgc aac        288
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

gtc aac gta ggt ttc gag tac tgg ggc caa ggt aca cag gtg acg gtg        336
Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

tct agt ggc ggt agt gac tat aaa gat gat gat gat aag ttg gag gat        384
Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Glu Asp
        115                 120                 125

ctg ttg ctt gat aga taa                                               402
Leu Leu Leu Asp Arg
    130


<210>  62
<211>  133
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  62
```

```
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Glu Asp
        115                 120                 125

Leu Leu Leu Asp Arg
    130
```

<210> 63
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-4

<220>
<221> MISC_FEATURE
<222> (1)..(114)
<223> Anti-GFP

<220>
<221> MISC_FEATURE
<222> (118)..(125)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (126)..(133)
<223> Barcode 4-4

<400> 63

```
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15
```

```
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Glu Asp
        115                 120                 125

Leu Leu Leu Asp Arg
    130
```

<210> 64
<211> 405
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-5

<220>
<221> CDS
<222> (1)..(405)

<400> 64

```
gtt caa ttg gtt gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca          48
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

cta aga tta tcc tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc          96
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

atg aga tgg tat aga cag gct cca ggt aaa gaa aga gag tgg gtc gct         144
Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

ggt atg tca tct gct gga gat aga tcc tca tac gag gat tct gtc aaa         192
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

gga agg ttt act att agt cgt gac gac gca cgt aat acc gtt tat ttg         240
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80
```

```
caa atg aat tct ctg aaa cca gaa gac act gca gta tat tac tgc aac        288
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

gtc aac gta ggt ttc gag tac tgg ggc caa ggt aca cag gtg acg gtg        336
Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

tct agt ggc ggt agt gac tat aaa gat gat gat gat aag tta gca gag        384
Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ala Glu
        115                 120                 125

att cat ggt gtt cca agg taa                                           405
Ile His Gly Val Pro Arg
    130
```

<210> 65
<211> 134
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 65

```
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ala Glu
        115                 120                 125

Ile His Gly Val Pro Arg
    130
```

<210> 66
<211> 134

<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-5

<220>
<221> MISC_FEATURE
<222> (1)..(114)
<223> Anti-GFP

<220>
<221> MISC_FEATURE
<222> (118)..(125)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (126)..(134)
<223> Barcode 4-5

<400> 66

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Leu Ala Glu
115 120 125

Ile His Gly Val Pro Arg
130

<210> 67
<211> 402
<212> DNA
<213> Artificial Sequence

<220>

<223> Anti-GFP-FLAG-barcode 4-6

<220>
<221> CDS
<222> (1)..(402)

<400> 67
gtt caa ttg gtt gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca 48
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

cta aga tta tcc tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc 96
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

atg aga tgg tat aga cag gct cca ggt aaa gaa aga gag tgg gtc gct 144
Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

ggt atg tca tct gct gga gat aga tcc tca tac gag gat tct gtc aaa 192
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

gga agg ttt act att agt cgt gac gac gca cgt aat acc gtt tat ttg 240
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

caa atg aat tct ctg aaa cca gaa gac act gca gta tat tac tgc aac 288
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

gtc aac gta ggt ttc gag tac tgg ggc caa ggt aca cag gtg acg gtg 336
Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

tct agt ggc ggt agt gac tat aaa gat gat gat gat aag ttt cag ttc 384
Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Phe Gln Phe
115 120 125

ttg tgg ggc cct agg taa 402
Leu Trp Gly Pro Arg
130

<210> 68
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 68

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

```
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Phe Gln Phe
        115                 120                 125

Leu Trp Gly Pro Arg
    130
```

<210> 69
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-6

<220>
<221> MISC_FEATURE
<222> (1)..(114)
<223> Anti-GFP

<220>
<221> MISC_FEATURE
<222> (118)..(125)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (126)..(133)
<223> Barcode 4-6

<400> 69

```
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Phe Gln Phe
        115                 120                 125

Leu Trp Gly Pro Arg
    130
```

<210> 70
<211> 405
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-7

<220>
<221> CDS
<222> (1)..(405)

<400> 70

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gtt caa ttg gtt gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca          48
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

cta aga tta tcc tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc          96
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

atg aga tgg tat aga cag gct cca ggt aaa gaa aga gag tgg gtc gct         144
Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

ggt atg tca tct gct gga gat aga tcc tca tac gag gat tct gtc aaa         192
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

gga agg ttt act att agt cgt gac gac gca cgt aat acc gtt tat ttg         240
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

caa atg aat tct ctg aaa cca gaa gac act gca gta tat tac tgc aac         288
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

gtc aac gta ggt ttc gag tac tgg ggc caa ggt aca cag gtg acg gtg         336
Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

tct agt ggc ggt agt gac tat aaa gat gat gat gat aag gta gaa cta         384
Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Val Glu Leu
        115                 120                 125
```

```
cag caa gaa gtg gaa aaa taa                                             405
Gln Gln Glu Val Glu Lys
    130


<210>  71
<211>  134
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  71

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15


Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30


Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45


Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95


Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110


Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Val Glu Leu
        115                 120                 125


Gln Gln Glu Val Glu Lys
    130


<210>  72
<211>  134
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Anti-GFP-FLAG-barcode 4-7


<220>
<221>  MISC_FEATURE
<222>  (1)..(114)
<223>  Anti-GFP
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<220>
<221> MISC_FEATURE
<222> (118)..(125)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (126)..(134)
<223> Barcode 4-7

<400> 72

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1   5   10   15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20   25   30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35   40   45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85   90   95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100   105   110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Val Glu Leu
        115   120   125

Gln Gln Glu Val Glu Lys
    130

<210> 73
<211> 402
<212> DNA
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-8

<220>
<221> CDS
<222> (1)..(402)

<400> 73
gtt caa ttg gtt gaa tct ggt ggt gcc ctt gtt caa cct gga gga tca   48
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1   5   10   15

```
cta aga tta tcc tgt gct gcc tcc gga ttt cct gtt aac agg tac tcc          96
Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

atg aga tgg tat aga cag gct cca ggt aaa gaa aga gag tgg gtc gct         144
Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

ggt atg tca tct gct gga gat aga tcc tca tac gag gat tct gtc aaa         192
Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

gga agg ttt act att agt cgt gac gac gca cgt aat acc gtt tat ttg         240
Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

caa atg aat tct ctg aaa cca gaa gac act gca gta tat tac tgc aac         288
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95

gtc aac gta ggt ttc gag tac tgg ggc caa ggt aca cag gtg acg gtg         336
Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
            100                 105                 110

tct agt ggc ggt agt gac tat aaa gat gat gat gat aag aat ata ttc         384
Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Asn Ile Phe
        115                 120                 125

gag cag ctt cac cgt taa                                                 402
Glu Gln Leu His Arg
    130
```

<210> 74
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 74

```
Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1               5                   10                  15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
            20                  25                  30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
        35                  40                  45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95
```

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Asn Ile Phe
115 120 125

Glu Gln Leu His Arg
130

<210> 75
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<223> Anti-GFP-FLAG-barcode 4-8

<220>
<221> MISC_FEATURE
<222> (1)..(114)
<223> Anti-GFP

<220>
<221> MISC_FEATURE
<222> (118)..(125)
<223> FLAG

<220>
<221> MISC_FEATURE
<222> (126)..(133)
<223> Barcode 4-8

<400> 75

Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly Ser
1 5 10 15

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Val Asn Arg Tyr Ser
20 25 30

Met Arg Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Trp Val Ala
35 40 45

Gly Met Ser Ser Ala Gly Asp Arg Ser Ser Tyr Glu Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala Arg Asn Thr Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95

Val Asn Val Gly Phe Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Asn Ile Phe
115 120 125

Glu Gln Leu His Arg
130

<210> 76
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 1

<400> 76

Gly Leu Val Leu Ile Ala Phe Ser Gln Tyr Leu Gln Gln Cys Pro Phe
1 5 10 15

Asp Glu His Val Lys
20

<210> 77
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 2

<400> 77

Leu Val Asn Glu Leu Thr Glu Phe Ala Lys
1 5 10

<210> 78
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 3

<400> 78

Ser Leu His Thr Leu Phe Gly Asp Glu Leu Cys Lys
1 5 10

<210> 79
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 4

<400> 79

Leu Lys Pro Asp Pro Asn Thr Leu Cys Asp Glu Phe Lys

1 5 10

<210> 80
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 5

<400> 80

Glu Cys Cys His Gly Asp Leu Leu Glu Cys Ala Asp Asp Arg
1 5 10

<210> 81
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 6

<400> 81

Asp Ala Phe Leu Gly Ser Phe Leu Tyr Glu Tyr Ser Arg
1 5 10

<210> 82
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 7

<400> 82

Asp Asp Pro His Ala Cys Tyr Ser Thr Val Phe Asp Lys
1 5 10

<210> 83
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 8

<400> 83

Leu Gly Glu Tyr Gly Phe Gln Asn Ala Leu Ile Val Arg
1 5 10

<210> 84
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 9

<400> 84

Arg Pro Cys Phe Ser Ala Leu Thr Pro Asp Glu Thr Tyr Val Pro Lys
1 5 10 15

<210> 85
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide 10

<400> 85

Leu Phe Thr Phe His Ala Asp Ile Cys Thr Leu Pro Asp Thr Glu Lys
1 5 10 15