SEQUENCE LISTING

<110> HARPOON THERAPEUTICS, INC.

<120> MESOTHELIN BINDING PROTEINS

<130> 47517-719.601

<140>
<141>

<150> 62/657,417
<151> 2018-04-13

<150> 62/505,719
<151> 2017-05-12

<160> 336

<170> PatentIn version 3.5

<210> 1
<211> 110
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Val Arg
20 25 30

Gly Met Ala Trp Tyr Arg Gln Ala Gly Asn Asn Arg Ala Leu Val Ala
35 40 45

Thr Met Asn Pro Asp Gly Phe Pro Asn Tyr Ala Asp Ala Val Lys Gly
50 55 60

Arg Phe Thr Ile Ser Trp Asp Ile Ala Glu Asn Thr Val Tyr Leu Gln
65 70 75 80

Met Asn Ser Leu Asn Ser Glu Asp Thr Thr Val Tyr Tyr Cys Asn Ser
85 90 95

Gly Pro Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
100 105 110

<210> 2
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 2

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Ile Pro Ser Ile Glu
20 25 30

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

Ala Ala Leu Thr Ser Gly Gly Arg Ala Asn Tyr Ala Asp Ser Val Lys
50 55 60

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

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

Ala Gly Arg Phe Lys Gly Asp Tyr Ala Gln Arg Ser Gly Met Asp Tyr
100 105 110

Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 3
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 3
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Phe Ser Gly Thr Thr Tyr Thr Phe Asp
20 25 30

Leu Met Ser Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Thr Val Val
35 40 45

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

Gly Arg Phe Thr Ile Ser Gly Glu Asn Gly Lys Asn Thr Val Tyr Leu
65 70 75 80

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

Gly Gln Arg Ser Gly Val Arg Ala Phe Trp Gly Gln Gly Thr Gln Val
100 105 110

Thr Val Ser Ser
        115

<210> 4
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 4
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Asn Ile Asn
            20   25   30

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

Ala Val Ile Thr Arg Gly Gly Tyr Ala Ile Tyr Leu Asp Ala Val Lys
    50   55   60

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

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

Ala Asp Arg Val Glu Gly Thr Ser Gly Gly Pro Gln Leu Arg Asp Tyr
            100   105   110

Phe Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115   120

<210> 5
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 5
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Gly Ile Asn
            20   25   30

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

```
Ala Val Ile Ser Arg Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys
    50                  55                  60

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

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

Ala Arg Thr Tyr Thr Arg His Asp Tyr Trp Gly Gln Gly Thr Gln Val
            100                 105                 110

Thr Val Ser Ser
        115
```

<210> 6
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 6

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ile Ser Ala Phe Arg Leu Met
            20                  25                  30

Ser Val Arg Trp Tyr Arg Gln Asp Pro Ser Lys Gln Arg Glu Trp Val
        35                  40                  45

Ala Thr Ile Asp Gln Leu Gly Arg Thr Asn Tyr Ala Asp Ser Val Lys
    50                  55                  60

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

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

Ala Gly Gly Gly Pro Leu Gly Ser Arg Trp Leu Arg Gly Arg His Trp
            100                 105                 110

Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
```

<210> 7
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

polypeptide

<400> 7
Gln Val Arg Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Glu
1 5 10 15

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

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

Ala Ser Ile Ser Ser Ser Gly Asp Phe Thr Tyr Thr Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys 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

Ala Arg Arg Thr Tyr Leu Pro Arg Arg Phe Gly Ser Trp Gly Gln Gly
100 105 110

Thr Gln Val Thr Val Ser Ser
115

<210> 8
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 8
Gln Val Gln Pro Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Ser Asp Phe Thr Glu Asp
20 25 30

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

Ala Phe Val Ser Lys Asp Gly Lys Arg Ile Leu Tyr Leu Asp Ser Val
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Ile Asp Lys Lys Thr Val Tyr
65 70 75 80

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

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

Val Thr Val Ser Ser
115

<210> 9
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 9
Gln Val Gln Pro Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser Gly Ser Asp Phe Thr Glu Asp
20 25 30

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

Ala Phe Val Ser Lys Asp Gly Lys Arg Ile Leu Tyr Leu Asp Ser Val
50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Ile Tyr Lys Lys Thr Val Tyr
65 70 75 80

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

Asn Ser Ala Pro Gly Ala Ala Arg Asn Val Trp Gly Gln Gly Thr Gln
100 105 110

Val Thr Val Ser Ser
115

<210> 10
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 10
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

```
        35                  40                  45

Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val
    50                  55                  60

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

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

Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser
        115


<210> 11
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 11
Gln Val Gln Ile Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Leu Thr Tyr Ser Ile Val
            20                  25                  30

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

Ala Asp Ile Ser Pro Val Gly Asn Thr Asn Tyr Ala Asp Ser Val Lys
    50                  55                  60

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

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

Ile Val Arg Gly Trp Leu Asp Glu Arg Pro Gly Pro Gly Pro Ile Val
            100                 105                 110

Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120


<210> 12
<211> 115
<212> PRT
<213> Artificial Sequence
```

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 12
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Thr Gly Gly
1 5 10 15

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

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

Ala Ser His Thr Ser Thr Gly Tyr Val Tyr Tyr Arg Asp Ser Val Lys
50 55 60

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

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

Ala Asn Arg Gly Ser Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr
100 105 110

Val Ser Ser
115

<210> 13
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 13
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Thr Thr Ser Ser Ile Asn Ser
20 25 30

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

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

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

Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Ile Tyr Thr Cys His Val

85 90 95

Ile Ala Asp Trp Arg Gly Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser

<210> 14
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 14
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Leu Ser Arg Tyr
20 25 30

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

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

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

Leu Gln Met Asn Asn Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Asn Val Arg Arg Arg Gly Trp Gly Arg Thr Leu Glu Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 15
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 15
Gln Val Gln Leu Gly Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

Ala Ser Ile Asn Ser Ser Gly Ser Thr Asn Tyr Gly Asp Ser Val Lys
50 55 60

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

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

Tyr Ser Asp Phe Arg Arg Gly Thr Gln Tyr Trp Gly Gln Gly Thr Gln
100 105 110

Val Thr Val Ser Ser
115

<210> 16
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 16
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Pro Ser Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Ser Ala Ile Thr
20 25 30

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

Ala Arg Ile Ser Val Arg Glu Asp Lys Glu Asp Tyr Glu Asp Ser Val
50 55 60

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

Leu Gln Met Asn Asn Leu Gln Pro His Asp Thr Ala Ile Tyr Tyr Cys
85 90 95

Gly Ala Gln Arg Trp Gly Arg Gly Pro Gly Thr Thr Trp Gly Gln Gly
100 105 110

Thr Gln Val Thr Val Ser Ser
115

<210> 17

<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 17
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Arg Ile Arg
20 25 30

Val Met Arg Trp Tyr Arg Gln Ala Pro Gly Thr Glu Arg Asp Leu Val
35 40 45

Ala Val Ile Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly
50 55 60

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
65 70 75 80

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

Asp Asp Ser Gly Ile Ala Arg Asp Tyr Trp Gly Gln Gly Thr Gln Val
100 105 110

Thr Val Ser Ser
115

<210> 18
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 18
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Glu
1 5 10 15

Ser Arg Arg Leu Ser Cys Ala Val Ser Gly Asp Thr Ser Lys Phe Lys
20 25 30

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

Ala Trp Ile Asn Asn Ser Gly Val Gly Asn Thr Ala Glu Ser Val Lys
50 55 60

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

Gln Met Asn Arg Leu Thr Pro Glu Asp Thr Asp Val Tyr Tyr Cys Arg
85 90 95

Phe Tyr Arg Arg Phe Gly Ile Asn Lys Asn Tyr Trp Gly Gln Gly Thr
100 105 110

Gln Val Thr Val Ser Ser
115

<210> 19
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 19
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Gly Asn Lys
20 25 30

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

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

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

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

Asn Ala Leu Arg Thr Tyr Tyr Leu Asn Asp Pro Val Val Phe Ser Trp
100 105 110

Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 20
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 20
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

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

Ala Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys
    50                  55                  60

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

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

Thr Tyr Ile Pro Leu Arg Gly Thr Leu His Asp Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Gln Val Thr Val Ser Ser
        115


<210> 21
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 21
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Arg Thr Asp Arg Ile Thr
            20                  25                  30

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

Ala Thr Ile Ser Asn Arg Gly Thr Ser Asn Tyr Ala Asn Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys 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

Ala Arg Lys Trp Gly Arg Asn Tyr Trp Gly Gln Gly Thr Gln Val Thr
            100                 105                 110

Val Ser Ser
        115
```

<210> 22
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 22
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Arg Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Arg Thr Ile Gly Ile Asn
20 25 30

Asp Met Ala Trp Tyr Arg Gln Ala Pro Gly Asn Gln Arg Glu Leu Val
35 40 45

Ala Thr Ile Thr Lys Gly Gly Thr Thr Asp Tyr Ala Asp Ser Val Asp
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys 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

Thr Lys Arg Arg Glu Trp Ala Lys Asp Phe Glu Tyr Trp Gly Gln Gly
100 105 110

Thr Gln Val Thr Val Ser Ser
115

<210> 23
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 23
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Ala Ile Gly Ser Ile Asn Ser
20 25 30

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

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

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

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

Ile Ala Asp Trp Arg Gly Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser

<210> 24
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 24
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Thr Met Tyr Trp Phe Arg Gln Ala Pro Gly Glu Glu Arg Glu Leu Val
35 40 45

Ala Thr Ile Asn Arg Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys
50 55 60

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

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

Thr Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe Trp Gly Gln Gly
100 105 110

Thr Gln Val Thr Val Ser Ser
115

<210> 25
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 25

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

Ser Leu Arg Leu Ser Cys Thr Thr Ser Thr Thr Phe Ser Ile Asn Ser
20 25 30

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

Val Ile Thr Asn Arg Gly Thr Thr Ser Tyr Ala Asp Ser Val Lys Gly
50 55 60

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

Met Asp Ser Leu Lys Pro Glu Asp Thr Ala Ile Tyr Thr Cys His Val
85 90 95

Ile Ala Asp Trp Arg Gly Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
100 105 110

Ser Ser

<210> 26
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 26
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ile Arg
20 25 30

Ala Met Arg Trp Tyr Arg Gln Ala Pro Gly Thr Glu Arg Asp Leu Val
35 40 45

Ala Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly
50 55 60

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
65 70 75 80

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

Asp Thr Ile Gly Thr Ala Arg Asp Tyr Trp Gly Gln Gly Thr Gln Val
100 105 110

Thr Val Ser Ser
        115

<210> 27
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 27
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Arg Thr Ser Thr Ile Asp
            20   25   30

Thr Met Tyr Trp His Arg Gln Ala Pro Gly Asn Glu Arg Glu Leu Val
        35   40   45

Ala Tyr Val Thr Ser Arg Gly Thr Ser Asn Val Ala Asp Ser Val Lys
    50   55   60

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

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

Val Arg Thr Thr Ser Tyr Pro Val Asp Phe Trp Gly Gln Gly Thr Gln
            100   105   110

Val Thr Val Ser Ser
        115

<210> 28
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 28
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20   25   30

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

Ala Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys
    50   55   60

Gly Arg Phe Ser Val Ser Arg Asp Ser Ala Lys Asn Ile 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

Thr Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe Trp Gly Gln Gly
            100   105   110

Thr Gln Val Thr Val Ser Ser
        115

<210> 29
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 29
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Asp Trp Ser Ala Asn
            20   25   30

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

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

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

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

Val Ala Ser Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
            100   105   110

<210> 30
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 30
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Asp Trp Ser Ala Asn
20 25 30

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

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

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

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

Val Ala Ser Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
100 105 110

<210> 31
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 31
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Asp Trp Ser Ala Asn
20 25 30

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

Ser Arg Ile Ser Gly Arg Gly Val Val Asp Tyr Val Glu Ser Val Lys
50 55 60

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

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

Val Ala Ser Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
100 105 110

<210> 32
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 32
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

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

Ala Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys
50 55 60

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

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

Thr Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 33
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 33
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

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

Ala Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys
50 55 60

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

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn

85 90 95

Thr Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 34
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 34
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

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

Ser Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys
50 55 60

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

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

Thr Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 35
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 35
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ile Arg
20 25 30

```
Ala Met Arg Trp Tyr Arg Gln Ala Pro Gly Thr Glu Arg Asp Leu Val
        35                  40                  45

Ala Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly
    50                  55                  60

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
65                  70                  75                  80

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
                85                  90                  95

Asp Thr Ile Gly Thr Ala Arg Asp Tyr Trp Gly Gln Gly Thr Leu Val
            100                 105                 110

Thr Val Ser Ser
        115


<210> 36
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 36
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ile Arg
            20                  25                  30

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

Ala Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly
    50                  55                  60

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
65                  70                  75                  80

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
                85                  90                  95

Asp Thr Ile Gly Thr Ala Arg Asp Tyr Trp Gly Gln Gly Thr Leu Val
            100                 105                 110

Thr Val Ser Ser Gly Gly
        115


<210> 37
```

<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 37
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ile Arg
20 25 30

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

Ser Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly
50 55 60

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
65 70 75 80

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
85 90 95

Asp Thr Ile Gly Thr Ala Arg Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser Gly Gly
115

<210> 38
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 38
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Arg Thr Ser Thr Ile Asp
20 25 30

Thr Met Tyr Trp His Arg Gln Ala Pro Gly Asn Glu Arg Glu Leu Val
35 40 45

Ala Tyr Val Thr Ser Arg Gly Thr Ser Asn Val Ala Asp Ser Val Lys
50 55 60

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

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

Val Arg Thr Thr Ser Tyr Pro Val Asp Phe Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Gly Gly
115

<210> 39
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 39
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Ser Thr Ile Asp
20 25 30

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

Ala Tyr Val Thr Ser Arg Gly Thr Ser Asn Val Ala Asp Ser Val Lys
50 55 60

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

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

Val Arg Thr Thr Ser Tyr Pro Val Asp Phe Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 40
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 40
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Ser Thr Ile Asp
20 25 30

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

Ser Tyr Val Thr Ser Arg Gly Thr Ser Asn Val Ala Asp Ser Val Lys
50 55 60

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

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

Val Arg Thr Thr Ser Tyr Pro Val Asp Phe Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 41
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 41
Glu Ser Gly Gly Gly Leu Val
1 5

<210> 42
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 42
Leu Ser Cys
1

<210> 43
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 43
Gly Arg Phe
1

<210> 44
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 44
Val Thr Val Ser Ser
1 5

<210> 45
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 45
Gln Leu Val Glu Ser Gly Gly Gly
1 5

<210> 46
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 46
Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
1 5 10

<210> 47
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 47
Ala Ser Gly
1

<210> 48
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 48
Arg Gln Ala Pro Gly

1 5

<210> 49
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 49
Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
1 5 10 15

Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
20 25 30

Cys

<210> 50
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 50
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 51
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 51
Gly Arg Thr Phe Ser Val Arg Gly Met Ala
1 5 10

<210> 52
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 52
Ile Asn Ser Ser Gly Ser Thr Asn Tyr Gly
1 5 10

<210> 53
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 53
Asn Ala Gly Gly Gly Pro Leu Gly Ser Arg
1 5 10

<210> 54
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 54
Gly Gly Asp Trp Ser Ala Asn Phe Met Tyr
1 5 10

<210> 55
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 55
Ile Ser Ser Gly Gly Ser Thr Asn Val Arg
1 5 10

<210> 56
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 56
Asn Ala Asp Thr Ile Gly Thr Ala Arg Asp
1 5 10

<210> 57
<211> 630
<212> PRT
<213> Homo sapiens

<400> 57
Met Ala Leu Pro Thr Ala Arg Pro Leu Leu Gly Ser Cys Gly Thr Pro
1 5 10 15

Ala Leu Gly Ser Leu Leu Phe Leu Leu Phe Ser Leu Gly Trp Val Gln
20 25 30

Pro Ser Arg Thr Leu Ala Gly Glu Thr Gly Gln Glu Ala Ala Pro Leu

```
        35                  40                  45

Asp Gly Val Leu Ala Asn Pro Pro Asn Ile Ser Ser Leu Ser Pro Arg
    50                  55                  60

Gln Leu Leu Gly Phe Pro Cys Ala Glu Val Ser Gly Leu Ser Thr Glu
65                  70                  75                  80

Arg Val Arg Glu Leu Ala Val Ala Leu Ala Gln Lys Asn Val Lys Leu
                85                  90                  95

Ser Thr Glu Gln Leu Arg Cys Leu Ala His Arg Leu Ser Glu Pro Pro
            100                 105                 110

Glu Asp Leu Asp Ala Leu Pro Leu Asp Leu Leu Leu Phe Leu Asn Pro
        115                 120                 125

Asp Ala Phe Ser Gly Pro Gln Ala Cys Thr Arg Phe Phe Ser Arg Ile
    130                 135                 140

Thr Lys Ala Asn Val Asp Leu Leu Pro Arg Gly Ala Pro Glu Arg Gln
145                 150                 155                 160

Arg Leu Leu Pro Ala Ala Leu Ala Cys Trp Gly Val Arg Gly Ser Leu
                165                 170                 175

Leu Ser Glu Ala Asp Val Arg Ala Leu Gly Gly Leu Ala Cys Asp Leu
            180                 185                 190

Pro Gly Arg Phe Val Ala Glu Ser Ala Glu Val Leu Leu Pro Arg Leu
        195                 200                 205

Val Ser Cys Pro Gly Pro Leu Asp Gln Asp Gln Gln Glu Ala Ala Arg
    210                 215                 220

Ala Ala Leu Gln Gly Gly Gly Pro Pro Tyr Gly Pro Pro Ser Thr Trp
225                 230                 235                 240

Ser Val Ser Thr Met Asp Ala Leu Arg Gly Leu Leu Pro Val Leu Gly
                245                 250                 255

Gln Pro Ile Ile Arg Ser Ile Pro Gln Gly Ile Val Ala Ala Trp Arg
            260                 265                 270

Gln Arg Ser Ser Arg Asp Pro Ser Trp Arg Gln Pro Glu Arg Thr Ile
        275                 280                 285

Leu Arg Pro Arg Phe Arg Arg Glu Val Glu Lys Thr Ala Cys Pro Ser
    290                 295                 300

Gly Lys Lys Ala Arg Glu Ile Asp Glu Ser Leu Ile Phe Tyr Lys Lys
305                 310                 315                 320
```

```
Trp Glu Leu Glu Ala Cys Val Asp Ala Ala Leu Leu Ala Thr Gln Met
                325                 330                 335

Asp Arg Val Asn Ala Ile Pro Phe Thr Tyr Glu Gln Leu Asp Val Leu
            340                 345                 350

Lys His Lys Leu Asp Glu Leu Tyr Pro Gln Gly Tyr Pro Glu Ser Val
        355                 360                 365

Ile Gln His Leu Gly Tyr Leu Phe Leu Lys Met Ser Pro Glu Asp Ile
    370                 375                 380

Arg Lys Trp Asn Val Thr Ser Leu Glu Thr Leu Lys Ala Leu Leu Glu
385                 390                 395                 400

Val Asn Lys Gly His Glu Met Ser Pro Gln Ala Pro Arg Arg Pro Leu
                405                 410                 415

Pro Gln Val Ala Thr Leu Ile Asp Arg Phe Val Lys Gly Arg Gly Gln
            420                 425                 430

Leu Asp Lys Asp Thr Leu Asp Thr Leu Thr Ala Phe Tyr Pro Gly Tyr
        435                 440                 445

Leu Cys Ser Leu Ser Pro Glu Glu Leu Ser Ser Val Pro Pro Ser Ser
    450                 455                 460

Ile Trp Ala Val Arg Pro Gln Asp Leu Asp Thr Cys Asp Pro Arg Gln
465                 470                 475                 480

Leu Asp Val Leu Tyr Pro Lys Ala Arg Leu Ala Phe Gln Asn Met Asn
                485                 490                 495

Gly Ser Glu Tyr Phe Val Lys Ile Gln Ser Phe Leu Gly Gly Ala Pro
            500                 505                 510

Thr Glu Asp Leu Lys Ala Leu Ser Gln Gln Asn Val Ser Met Asp Leu
        515                 520                 525

Ala Thr Phe Met Lys Leu Arg Thr Asp Ala Val Leu Pro Leu Thr Val
    530                 535                 540

Ala Glu Val Gln Lys Leu Leu Gly Pro His Val Glu Gly Leu Lys Ala
545                 550                 555                 560

Glu Glu Arg His Arg Pro Val Arg Asp Trp Ile Leu Arg Gln Arg Gln
                565                 570                 575

Asp Asp Leu Asp Thr Leu Gly Leu Gly Leu Gln Gly Gly Ile Pro Asn
            580                 585                 590
```

Gly Tyr Leu Val Leu Asp Leu Ser Met Gln Glu Ala Leu Ser Gly Thr
595 600 605

Pro Cys Leu Leu Gly Pro Gly Pro Val Leu Thr Val Leu Ala Leu Leu
610 615 620

Leu Ala Ser Thr Leu Ala
625 630

<210> 58
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 58
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ile Arg
20 25 30

Ala Met Arg Trp Tyr Arg Gln Ala Pro Gly Thr Glu Arg Asp Leu Val
35 40 45

Ala Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly
50 55 60

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
65 70 75 80

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
85 90 95

Asp Thr Ile Gly Thr Ala Arg Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 59
<211> 503
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 59
Gln Val Gln Leu Val Glu Ser Gly Gly Ala Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu
        115                 120                 125

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu
    130                 135                 140

Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Lys Phe Gly Met Ser Trp
145                 150                 155                 160

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser
                165                 170                 175

Gly Ser Gly Arg Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe
            180                 185                 190

Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn
        195                 200                 205

Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly
    210                 215                 220

Ser Leu Ser Val Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser Gly
225                 230                 235                 240

Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly
                245                 250                 255

Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala
            260                 265                 270

Ser Gly Phe Thr Phe Asn Lys Tyr Ala Ile Asn Trp Val Arg Gln Ala
        275                 280                 285

Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn
```

```
    290                 295                 300

Asn Tyr Ala Thr Tyr Tyr Ala Asp Gln Val Lys Asp Arg Phe Thr Ile
305                 310                 315                 320

Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu
                325                 330                 335

Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Ala Asn Phe
            340                 345                 350

Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu
        355                 360                 365

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
    370                 375                 380

Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val
385                 390                 395                 400

Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Ala Ser Ser Thr Gly Ala
                405                 410                 415

Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln
            420                 425                 430

Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Val Pro Gly Thr
        435                 440                 445

Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr
    450                 455                 460

Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Thr Leu
465                 470                 475                 480

Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val
                485                 490                 495

Leu His His His His His His
            500


<210> 60
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 60
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Ala Gly Gly
1               5                   10                  15
```

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ile Arg
            20                  25                  30

Ala Met Arg Trp Tyr Arg Gln Ala Pro Gly Thr Glu Arg Asp Leu Val
        35                  40                  45

Ala Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly
    50                  55                  60

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
65                  70                  75                  80

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
                85                  90                  95

Asp Thr Ile Gly Thr Ala Arg Asp Tyr Trp Gly Gln Gly Thr Leu Val
            100                 105                 110

Thr Val Ser Ser
        115
```

<210> 61
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 61

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ile Arg
            20                  25                  30

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

Ala Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly
    50                  55                  60

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
65                  70                  75                  80

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
                85                  90                  95

Asp Thr Ile Gly Thr Ala Arg Asp Tyr Trp Gly Gln Gly Thr Leu Val
            100                 105                 110

Thr Val Ser Ser
        115
```

<210> 62
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 62
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Ile Arg
20 25 30

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

Ser Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly
50 55 60

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
65 70 75 80

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
85 90 95

Asp Thr Ile Gly Thr Ala Arg Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 63
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 63
Gly Arg Thr Phe Ser Val Arg Gly Met Ala
1 5 10

<210> 64
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 64
Gly Ser Ile Pro Ser Ile Glu Gln Met Gly
1 5 10

<210> 65
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 65
Gly Thr Thr Tyr Thr Phe Asp Leu Met Ser
1 5 10

<210> 66
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 66
Gly Ser Thr Ser Asn Ile Asn Asn Met Arg
1 5 10

<210> 67
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 67
Gly Ser Thr Phe Gly Ile Asn Ala Met Gly
1 5 10

<210> 68
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 68
Ile Ser Ala Phe Arg Leu Met Ser Val Arg
1 5 10

<210> 69
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 69
Gly Arg Pro Phe Ser Ile Asn Thr Met Gly

1 5 10

<210> 70
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 70
Gly Ser Asp Phe Thr Glu Asp Ala Met Ala
1 5 10

<210> 71
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 71
Gly Ser Asp Phe Thr Glu Asp Ala Met Ala
1 5 10

<210> 72
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 72
Gly Phe Thr Phe Ser Ser Phe Gly Met Ser
1 5 10

<210> 73
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 73
Gly Leu Thr Tyr Ser Ile Val Ala Val Gly
1 5 10

<210> 74
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 74

Gly Leu Thr Phe Gly Val Tyr Gly Met Glu
1 5 10

<210> 75
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 75
Thr Thr Ser Ser Ile Asn Ser Met Ser
1 5

<210> 76
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 76
Gly Arg Thr Leu Ser Arg Tyr Ala Met Gly
1 5 10

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 77
Gly Ser Ile Phe Ser Pro Asn Ala Met Ile
1 5 10

<210> 78
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 78
Gly Ala Thr Ser Ala Ile Thr Asn Leu Gly
1 5 10

<210> 79
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 79
Gly Ser Thr Phe Arg Ile Arg Val Met Arg
1   5   10

<210> 80
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 80
Gly Asp Thr Ser Lys Phe Lys Ala Val Gly
1   5   10

<210> 81
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 81
Gly Ser Thr Phe Gly Asn Lys Pro Met Gly
1   5   10

<210> 82
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 82
Gly Ser Thr Ser Ser Ile Asn Thr Met Tyr
1   5   10

<210> 83
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 83
Gly Arg Thr Asp Arg Ile Thr Thr Met Gly
1   5   10

<210> 84
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 84
Gly Arg Thr Ile Gly Ile Asn Asp Met Ala
1   5   10

<210> 85
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 85
Ala Ile Gly Ser Ile Asn Ser Met Ser
1   5

<210> 86
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 86
Gly Ser Thr Ser Ser Ile Asn Thr Met Tyr
1   5   10

<210> 87
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 87
Thr Thr Phe Ser Ile Asn Ser Met Ser
1   5

<210> 88
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 88
Gly Ser Thr Phe Ser Ile Arg Ala Met Arg
1   5   10

<210> 89
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 89
Gly Arg Thr Ser Thr Ile Asp Thr Met Tyr
1 5 10

<210> 90
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 90
Gly Ser Thr Ser Ser Ile Asn Thr Met Tyr
1 5 10

<210> 91
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 91
Gly Gly Asp Trp Ser Ala Asn Phe Met Tyr
1 5 10

<210> 92
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 92
Gly Gly Asp Trp Ser Ala Asn Phe Met Tyr
1 5 10

<210> 93
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 93
Gly Ser Thr Ser Ser Ile Asn Thr Met Tyr
1 5 10

<210> 94
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 94
Gly Ser Thr Ser Ser Ile Asn Thr Met Tyr
1 5 10

<210> 95
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 95
Gly Ser Thr Ser Ser Ile Asn Thr Met Tyr
1 5 10

<210> 96
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 96
Gly Ser Thr Phe Ser Ile Arg Ala Met Arg
1 5 10

<210> 97
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 97
Gly Ser Thr Phe Ser Ile Arg Ala Met Arg
1 5 10

<210> 98
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 98
Gly Ser Thr Phe Ser Ile Arg Ala Met Arg
1 5 10

<210> 99
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 99
Gly Arg Thr Ser Thr Ile Asp Thr Met Tyr
1 5 10

<210> 100
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 100
Gly Arg Thr Ser Thr Ile Asp Thr Met Tyr
1 5 10

<210> 101
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 101
Gly Arg Thr Ser Thr Ile Asp Thr Met Tyr
1 5 10

<210> 102
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 102
Thr Met Asn Pro Asp Gly Phe Pro Asn Tyr Ala Asp Ala Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 103
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 103
Ala Leu Thr Ser Gly Gly Arg Ala Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 104
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 104
Ser Ile Ser Ser Asp Gly Arg Thr Ser Tyr Ala Asp Ser Val Arg Gly
1 5 10 15

Arg Phe Thr

<210> 105
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 105
Val Ile Thr Arg Gly Gly Tyr Ala Ile Tyr Leu Asp Ala Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 106
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 106
Val Ile Ser Arg Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 107
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 107
Thr Ile Asp Gln Leu Gly Arg Thr Asn Tyr Ala Asp Ser Val Lys Gly

1 5 10 15

Arg Phe Ala

<210> 108
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 108
Ser Ile Ser Ser Ser Gly Asp Phe Thr Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 109
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 109
Phe Val Ser Lys Asp Gly Lys Arg Ile Leu Tyr Leu Asp Ser Val Arg
1 5 10 15

Gly Arg Phe Thr
20

<210> 110
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 110
Phe Val Ser Lys Asp Gly Lys Arg Ile Leu Tyr Leu Asp Ser Val Arg
1 5 10 15

Gly Arg Phe Thr
20

<210> 111
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 111
Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys
1   5   10   15

Gly Arg Phe Thr
            20

<210> 112
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 112
Asp Ile Ser Pro Val Gly Asn Thr Asn Tyr Ala Asp Ser Val Lys Gly
1   5   10   15

Arg Phe Thr

<210> 113
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 113
Ser His Thr Ser Thr Gly Tyr Val Tyr Tyr Arg Asp Ser Val Lys Gly
1   5   10   15

Arg Phe Thr

<210> 114
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 114
Val Ile Thr Asp Arg Gly Ser Thr Ser Tyr Ala Asp Ser Val Lys Gly
1   5   10   15

Arg Phe Thr

<210> 115
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 115
Ala Ile Ser Arg Ser Gly Gly Thr Thr Arg Tyr Ser Asp Ser Val Lys
1 5 10 15

Gly Arg Phe Thr
20

<210> 116
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 116
Ser Ile Asn Ser Ser Gly Ser Thr Asn Tyr Gly Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 117
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 117
Arg Ile Ser Val Arg Glu Asp Lys Glu Asp Tyr Glu Asp Ser Val Lys
1 5 10 15

Gly Arg Phe Thr
20

<210> 118
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 118
Val Ile Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg
1 5 10 15

Phe Thr

<210> 119
<211> 19

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 119
Trp Ile Asn Asn Ser Gly Val Gly Asn Thr Ala Glu Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 120
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 120
Val Ile Ser Ser Asp Gly Gly Ser Thr Arg Tyr Ala Ala Leu Val Lys
1 5 10 15

Gly Arg Phe Thr
20

<210> 121
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 121
Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Ser

<210> 122
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 122
Thr Ile Ser Asn Arg Gly Thr Ser Asn Tyr Ala Asn Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 123
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 123
Thr Ile Thr Lys Gly Gly Thr Thr Asp Tyr Ala Asp Ser Val Asp Gly
1 5 10 15

Arg Phe Thr

<210> 124
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 124
Val Ile Thr Asp Arg Gly Ser Thr Ser Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 125
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 125
Thr Ile Asn Arg Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Ser

<210> 126
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 126
Val Ile Thr Asn Arg Gly Thr Thr Ser Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 127
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 127
Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly Arg
1 5 10 15

Phe Thr

<210> 128
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 128
Tyr Val Thr Ser Arg Gly Thr Ser Asn Val Ala Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 129
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 129
Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Ser

<210> 130
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 130
Arg Ile Ser Gly Arg Gly Val Val Asp Tyr Val Glu Ser Val Lys Gly

1 5 10 15

Arg Phe Thr

<210> 131
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 131
Arg Ile Ser Gly Arg Gly Val Val Asp Tyr Val Glu Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 132
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 132
Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 133
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 133
Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 134
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 134
Phe Ile Ser Ser Gly Gly Ser Thr Asn Val Arg Asp Ser Val Lys Gly
1   5   10   15

Arg Phe Thr

<210> 135
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 135
Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly Arg
1   5   10   15

Phe Thr

<210> 136
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 136
Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly Arg
1   5   10   15

Phe Thr

<210> 137
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 137
Val Ile Tyr Gly Ser Ser Thr Tyr Tyr Ala Asp Ala Val Lys Gly Arg
1   5   10   15

Phe Thr

<210> 138
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 138
Tyr Val Thr Ser Arg Gly Thr Ser Asn Val Ala Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 139
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 139
Tyr Val Thr Ser Arg Gly Thr Ser Asn Val Ala Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 140
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 140
Tyr Val Thr Ser Arg Gly Thr Ser Asn Val Ala Asp Ser Val Lys Gly
1 5 10 15

Arg Phe Thr

<210> 141
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 141
Gly Pro Tyr
1

<210> 142
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 142
Gly Arg Phe Lys Gly Asp Tyr Ala Gln Arg Ser Gly Met Asp Tyr
1 5 10 15

<210> 143
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 143
Gln Arg Ser Gly Val Arg Ala Phe
1 5

<210> 144
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 144
Asp Arg Val Glu Gly Thr Ser Gly Gly Pro Gln Leu Arg Asp Tyr
1 5 10 15

<210> 145
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 145
Arg Thr Tyr Thr Arg His Asp Tyr
1 5

<210> 146
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 146
Gly Gly Gly Pro Leu Gly Ser Arg Trp Leu Arg Gly Arg His
1 5 10

<210> 147
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 147
Arg Arg Thr Tyr Leu Pro Arg Arg Phe Gly Ser
1 5 10

<210> 148
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 148
Ala Pro Gly Ala Ala Arg Asn Tyr
1 5

<210> 149
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 149
Ala Pro Gly Ala Ala Arg Asn Val
1 5

<210> 150
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 150
Gly Gly Ser Leu Ser Arg Ser Ser
1 5

<210> 151
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 151
Val Arg Gly Trp Leu Asp Glu Arg Pro Gly Pro Gly Pro Ile Val Tyr
1 5 10 15

<210> 152
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 152
Asn Arg Gly Ser Tyr Glu Tyr
1 5

<210> 153
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 153
Ile Ala Asp Trp Arg Gly Tyr
1 5

<210> 154
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 154
Arg Arg Arg Gly Trp Gly Arg Thr Leu Glu Tyr
1 5 10

<210> 155
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 155
Ser Asp Phe Arg Arg Gly Thr Gln Tyr
1 5

<210> 156
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 156
Gln Arg Trp Gly Arg Gly Pro Gly Thr Thr
1 5 10

<210> 157
<211> 9
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 157
Asp Asp Ser Gly Ile Ala Arg Asp Tyr
1 5

<210> 158
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 158
Tyr Arg Arg Phe Gly Ile Asn Lys Asn Tyr
1 5 10

<210> 159
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 159
Leu Arg Thr Tyr Tyr Leu Asn Asp Pro Val Val Phe Ser
1 5 10

<210> 160
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 160
Tyr Ile Pro Leu Arg Gly Thr Leu His Asp Tyr
1 5 10

<210> 161
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 161
Arg Lys Trp Gly Arg Asn Tyr
1 5

<210> 162
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 162
Lys Arg Arg Glu Trp Ala Lys Asp Phe Glu Tyr
1 5 10

<210> 163
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 163
Ile Ala Asp Trp Arg Gly Tyr
1 5

<210> 164
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 164
Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe
1 5 10

<210> 165
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 165
Ile Ala Asp Trp Arg Gly Tyr
1 5

<210> 166
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 166
Asp Thr Ile Gly Thr Ala Arg Asp Tyr
1 5

<210> 167

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 167
Arg Thr Thr Ser Tyr Pro Val Asp Phe
1 5

<210> 168
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 168
Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe
1 5 10

<210> 169
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 169
Ala Ser Tyr
1

<210> 170
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 170
Ala Ser Tyr
1

<210> 171
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 171
Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe
1 5 10

<210> 172
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 172
Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe
1 5 10

<210> 173
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 173
Tyr Ile Pro Tyr Gly Gly Thr Leu His Asp Phe
1 5 10

<210> 174
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 174
Asp Thr Ile Gly Thr Ala Arg Asp Tyr
1 5

<210> 175
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 175
Asp Thr Ile Gly Thr Ala Arg Asp Tyr
1 5

<210> 176
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 176
Asp Thr Ile Gly Thr Ala Arg Asp Tyr
1 5

<210> 177
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 177
Arg Thr Thr Ser Tyr Pro Val Asp Phe
1 5

<210> 178
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 178
Arg Thr Thr Ser Tyr Pro Val Asp Phe
1 5

<210> 179
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 179
Arg Thr Thr Ser Tyr Pro Val Asp Phe
1 5

<210> 180
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 180
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 181
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 181
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
            20   25

<210> 182
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 182
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Phe Ser
            20   25

<210> 183
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 183
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Val Ala Ser
            20   25

<210> 184
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 184
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
            20   25

<210> 185
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 185
Gln Val Arg Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 186
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 186
Gln Val Arg Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 187
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 187
Gln Val Gln Pro Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser
20 25

<210> 188
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 188
Gln Val Gln Pro Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Val Ser
20 25

<210> 189
<211> 25

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 189
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 190
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 190
Gln Val Gln Ile Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser
20 25

<210> 191
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 191
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Thr Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 192
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 192
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 193
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 193
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 194
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 194
Gln Val Gln Leu Gly Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 195
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 195
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Pro Ser Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 196
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 196
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
            20   25

<210> 197
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 197
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Glu
1   5   10   15

Ser Arg Arg Leu Ser Cys Ala Val Ser
            20   25

<210> 198
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 198
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
            20   25

<210> 199
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 199
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
            20   25

<210> 200
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 200
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly

1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser
20 25

<210> 201
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 201
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Arg Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser
20 25

<210> 202
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 202
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 203
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 203
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 204
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 204
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Thr Thr Ser
            20   25

<210> 205
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 205
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Ala Ala Ser
            20   25

<210> 206
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 206
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Val Ala Ser
            20   25

<210> 207
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 207
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
            20   25

<210> 208
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 208
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 209
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 209
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 210
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 210
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 211
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 211
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 212
<211> 25

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 212
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 213
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 213
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 214
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 214
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 215
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 215
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 216
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 216
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser
20 25

<210> 217
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 217
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 218
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 218
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser
20 25

<210> 219
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 219
Trp Tyr Arg Gln Ala Gly Asn Asn Arg Ala Leu Val Ala
1 5 10

<210> 220
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 220
Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val Ala
1 5 10

<210> 221
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 221
Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Thr Val Val Ala
1 5 10

<210> 222
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 222
Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Val Ala
1 5 10

<210> 223
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 223
Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val Ala
1 5 10

<210> 224
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 224
Trp Tyr Arg Gln Asp Pro Ser Lys Gln Arg Glu Trp Val Ala
1 5 10

<210> 225
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 225
Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val Ala
1 5 10

<210> 226
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 226
Trp Tyr Arg Gln Ala Ser Gly Lys Glu Arg Glu Ser Val Ala
1 5 10

<210> 227
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 227
Trp Tyr Arg Gln Ala Ser Gly Lys Glu Arg Glu Ser Val Ala
1 5 10

<210> 228
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 228
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
1 5 10

<210> 229
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 229
Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Met Val Ala
1 5 10

<210> 230
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 230
Trp Phe Arg Gln Ala Pro Gly Lys Gln Arg Glu Trp Val Ala
1 5 10

<210> 231
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 231
Trp Tyr Arg Gln Ala Gln Gly Lys Gln Arg Glu Pro Val Ala
1 5 10

<210> 232
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 232
Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Gln Phe Val Ala
1 5 10

<210> 233
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 233
Trp His Arg Gln Ala Pro Gly Lys Gln Arg Glu Pro Val Ala
1 5 10

<210> 234
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 234
Trp Tyr Arg Arg Ala Pro Gly Gln Val Arg Glu Met Val Ala

1 5 10

<210> 235
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 235
Trp Tyr Arg Gln Ala Pro Gly Thr Glu Arg Asp Leu Val Ala
1 5 10

<210> 236
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 236
Trp Tyr Arg Gln Ala Pro Gly Ala Gln Arg Glu Leu Leu Ala
1 5 10

<210> 237
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 237
Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val Ala
1 5 10

<210> 238
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 238
Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Val Ala
1 5 10

<210> 239
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 239

Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val Ala
1   5   10

<210> 240
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 240
Trp Tyr Arg Gln Ala Pro Gly Asn Gln Arg Glu Leu Val Ala
1   5   10

<210> 241
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 241
Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Pro Val Ala
1   5   10

<210> 242
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 242
Trp Phe Arg Gln Ala Pro Gly Glu Glu Arg Glu Leu Val Ala
1   5   10

<210> 243
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 243
Trp Tyr Arg Gln Ala Pro Gly Asn Gln Arg Glu Pro Val Ala
1   5   10

<210> 244
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 244
Trp Tyr Arg Gln Ala Pro Gly Thr Glu Arg Asp Leu Val Ala
1   5   10

<210> 245
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 245
Trp His Arg Gln Ala Pro Gly Asn Glu Arg Glu Leu Val Ala
1   5   10

<210> 246
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 246
Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Val Ala
1   5   10

<210> 247
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 247
Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val Ala
1   5   10

<210> 248
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 248
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
1   5   10

<210> 249
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 249
Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Val Ala
1   5   10

<210> 250
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 250
Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Val Ala
1   5   10

<210> 251
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 251
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
1   5   10

<210> 252
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 252
Trp Tyr Arg Gln Ala Pro Gly Thr Glu Arg Asp Leu Val Ala
1   5   10

<210> 253
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 253
Trp Tyr Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Val Ala
1   5   10

<210> 254
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 254
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
1 5 10

<210> 255
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 255
Trp His Arg Gln Ala Pro Gly Asn Glu Arg Glu Leu Val Ala
1 5 10

<210> 256
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 256
Trp His Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Val Ala
1 5 10

<210> 257
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 257
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
1 5 10

<210> 258
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 258
Ile Ser Trp Asp Ile Ala Glu Asn Thr Val Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Asn Ser Glu Asp Thr Thr Val Tyr Tyr Cys Asn Ser
20 25

<210> 259
<211> 29

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 259
Ile Ser Gly Asp Asn Val Arg Asn Met Val Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Ile Tyr Tyr Cys Ser Ala
20 25

<210> 260
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 260
Ile Ser Gly Glu Asn Gly Lys Asn Thr Val Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Leu Glu Asp Thr Ala Val Tyr Tyr Cys Leu Gly
20 25

<210> 261
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 261
Ile Ser Arg Asp Asn Ala Asn Asn Ala Ile Tyr Leu Glu Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Val Cys Asn Ala
20 25

<210> 262
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 262
Ile Ser Arg Asp Asn Ala Glu Asn Thr Val Ser Leu Gln Met Asn Thr
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Phe Cys Asn Ala
20 25

<210> 263
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 263
Ile Ser Lys Asp Ser Thr Arg Asn Thr Val Tyr Leu Gln Met Asn Met
1 5 10 15

Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
20 25

<210> 264
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 264
Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
20 25

<210> 265
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 265
Ile Ser Arg Asp Ile Asp Lys Lys Thr Val Tyr Leu Gln Met Asp Asn
1 5 10 15

Leu Lys Pro Glu Asp Thr Gly Val Tyr Tyr Cys Asn Ser
20 25

<210> 266
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 266
Ile Ser Arg Asp Ile Tyr Lys Lys Thr Val Tyr Leu Gln Met Asp Asn
1 5 10 15

Leu Lys Pro Glu Asp Thr Gly Val Tyr Tyr Cys Asn Ser
            20   25

<210> 267
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 267
Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser
1   5   10   15

Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile
            20   25

<210> 268
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 268
Ile Ser Lys Glu Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser
1   5   10   15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys His Ile
            20   25

<210> 269
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 269
Ile Ser Arg Asp Asn Ala Lys Ser Thr Val Tyr Leu Gln Met Asn Ser
1   5   10   15

Leu Lys Pro Glu Asp Thr Ala Ile Tyr Tyr Cys Lys Ala
            20   25

<210> 270
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 270
Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser

1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Ile Tyr Thr Cys His Val
20 25

<210> 271
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 271
Ile Ser Arg Asp Asn Ala Ala Asn Thr Phe Tyr Leu Gln Met Asn Asn
1 5 10 15

Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys Asn Val
20 25

<210> 272
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 272
Val Ser Arg Asp Ile Val Lys Asn Thr Met Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ser Tyr
20 25

<210> 273
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 273
Ile Ser Arg Asp Asn Thr Gln Asn Leu Val Tyr Leu Gln Met Asn Asn
1 5 10 15

Leu Gln Pro His Asp Thr Ala Ile Tyr Tyr Cys Gly Ala
20 25

<210> 274
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 274
Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Asn Asn
1   5   10   15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
            20   25

<210> 275
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 275
Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Arg
1   5   10   15

Leu Thr Pro Glu Asp Thr Asp Val Tyr Tyr Cys Arg Phe
            20   25

<210> 276
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 276
Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Glu Ser
1   5   10   15

Leu Val Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
            20   25

<210> 277
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 277
Val Ser Arg Asp Ser Ala Lys Asn Ile Val Tyr Leu Gln Met Asn Ser
1   5   10   15

Leu Thr Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Thr
            20   25

<210> 278
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 278
Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
20 25

<210> 279
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 279
Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Thr
20 25

<210> 280
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 280
Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Ile Tyr Thr Cys His Val
20 25

<210> 281
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 281
Val Ser Arg Asp Ser Ala Lys Asn Ile Val Tyr Leu Gln Met Asn Arg
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Thr
20 25

<210> 282
<211> 29

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 282
Ile Ser Arg Asp Asn Ala Arg Asn Thr Val Tyr Leu Gln Met Asp Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Ile Tyr Thr Cys His Val
20 25

<210> 283
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 283
Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Asn Asn
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
20 25

<210> 284
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 284
Ile Ser Arg Asp Asn Ala Lys Asn Thr Ala Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ser Val
20 25

<210> 285
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 285
Val Ser Arg Asp Ser Ala Lys Asn Ile Val Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Thr
20 25

<210> 286
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 286
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Val
20 25

<210> 287
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 287
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Val
20 25

<210> 288
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 288
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Thr
20 25

<210> 289
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 289
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Thr
            20   25

<210> 290
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 290
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1   5   10   15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Thr
            20   25

<210> 291
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 291
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1   5   10   15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
            20   25

<210> 292
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 292
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1   5   10   15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
            20   25

<210> 293
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 293
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser

1 5 10 15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Asn Ala
20 25

<210> 294
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 294
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ser Val
20 25

<210> 295
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 295
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ser Val
20 25

<210> 296
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 296
Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
1 5 10 15

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ser Val
20 25

<210> 297
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 297
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1   5   10

<210> 298
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 298
Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser
1   5   10

<210> 299
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 299
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1   5   10

<210> 300
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 300
Phe Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1   5   10

<210> 301
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 301
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1   5   10

<210> 302
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

peptide

<400> 302
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 303
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 303
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 304
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 304
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 305
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 305
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 306
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 306
Gln Gly Thr Leu Val Thr Val Ser Ser
1 5

<210> 307
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 307
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 308
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 308
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 309
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 309
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 310
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 310
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 311
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 311
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 312
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 312
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 313
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 313
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 314
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 314
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 315
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 315
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 316
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 316
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 317
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 317
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 318
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 318
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 319
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 319
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 320
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 320
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 321
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 321
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 322
<211> 11
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 322
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 323
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 323
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 324
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 324
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
1 5 10

<210> 325
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 325
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 326
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 326
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 327
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 327
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 328
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 328
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 329
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 329
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 330
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 330
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
1 5 10

<210> 331
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 331
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
1 5 10

<210> 332

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

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 332
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
1 5 10

<210> 333
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 333
Trp Gly Gln Gly Thr Leu Val Thr Val Ser
1 5 10

<210> 334
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 334
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 335
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 335
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 336
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
6xHis tag

<400> 336
His His His His His His
1 5