SEQUENCE LISTING

<110> HARPOON THERAPEUTICS, INC.

<120> DLL3 BINDING PROTEINS AND METHODS OF USE

<130> 47517-733.601

<140>
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<150> 62/877,227
<151> 2019-07-22

<150> 62/736,358
<151> 2018-09-25

<150> 62/736,368
<151> 2018-09-25

<160> 1898

<170> PatentIn version 3.5

<210> 1
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 1

Gln	Val	Gln	Leu	Gln	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	Ile	Ala
			20					25					30		

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

Ala	Val	Ile	Thr	Ser	Phe	Ser	Ser	Thr	Asn	Tyr	Ala	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 Gly Val Tyr Tyr Cys Asn
                85                  90                  95


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


Val Ser Ser
        115


<210> 2
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 2
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15


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


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


Ala Val Ile Thr Ser Phe Ser Ser Thr Asn Tyr Ala 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 Gly Val Tyr Tyr Cys Asn
                85                  90                  95
```

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


Val Ser Ser
        115


<210> 3
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 3
Gln Val Gln Leu Gln 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 Ile Ala
            20                  25                  30


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


Ala Ala Ile Thr Ser Phe Ser Ser Thr Asn Tyr Ala 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 Gly Val Tyr Tyr Cys Asn
                85                  90                  95


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


Val Ser Ser
        115
```

<210> 4
<211> 115
<212> PRT
<213> Artificial Sequence

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

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Glu Ser Ile Phe Ser Ile Asn
20 25 30

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

Ala Arg Ile Thr Ser Gly Gly Ser Thr Asn Tyr Ala 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 Gly Val Tyr Tyr Cys Gly
85 90 95

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

Val Ser Ser
115

<210> 5
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 5
Gln Val Gln Leu Gln 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 Ser Phe Ser Ile Thr
20 25 30

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

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

Asp 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

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

Val Ser Ser
115

<210> 6
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 6
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Ser Ser Ile Phe Ser Ile Ser
20 25 30

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

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

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

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

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

Val Ser Ser
        115
```

<210> 7
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 7

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

Ser Leu Lys Leu Ser Cys Ala Ala Ser Ser Ser Ile Phe Ser Ile Ser
            20                  25                  30

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

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

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


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


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


Val Ser Ser
        115


<210> 8
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 8
Gln Val Gln Leu Gln 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 Leu Asn Ile Lys
            20                  25                  30


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


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

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

Thr Val Ser Ser
115

<210> 9
<211> 116
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

Thr Val Ser Ser
115

<210> 10
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 10
Gln Val Gln Leu Gln 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 Asn Ile Lys
20 25 30

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

Ala Thr Leu Thr Ser Gly Gly Asn Thr Asn Tyr Ala 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 Gly
85 90 95

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

Thr Val Ser Ser
115

<210> 11
<211> 115
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 11
Gln Val Gln Leu Gln Asp Gly Gly Gly Leu Val Gln Pro Gly Gly Ser
1 5 10 15

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

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

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

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

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

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

Val Ser Ser
115

<210> 12
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 12
Gln Val Gln Leu Gln 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 Asn Phe Lys
20 25 30

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

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

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

Thr 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 Gln 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 Phe Met Phe Ser Ser Tyr
20 25 30

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

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

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

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

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

Ser Ser
```

<210> 14
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 14

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Met Phe Ser Ser Tyr
            20                  25                  30

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

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

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

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

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

Ser Ser
```

<210> 15
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 15

```
Gln Val Gln Leu Gln 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 Phe Thr Phe Ser Ser His
            20                  25                  30

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

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

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

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

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

Ser Ser

<210> 16
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 16
Gln Val Gln Leu Gln 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 Ser Phe Ser His Asn
20 25 30

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

Ala Arg Ile Thr Thr Phe Gly Thr Thr Asn Tyr Ala 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

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

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

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

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

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

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

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

Asn Ala Gln His Phe Gly Thr Asp Ser Trp Gly Gln Gly Thr Gln Val
100 105 110

Thr Val Ser Ser
115

<210> 18
<211> 116
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Asn Ala Gln Gln Phe Gly Thr Asp Ser Trp Gly Gln Gly Thr Gln Val
            100                 105                 110

Thr Val Ser Ser
        115


<210> 19
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 19
Gln Val Gln Leu Gln 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 Thr Ser Asn
            20                  25                  30

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

```
Ala Asn Met His Ser Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys
    50                  55                  60

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

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

Trp Tyr Gly Ile Gln Arg Ala Glu Gly Tyr Trp Gly Gln Gly Thr Gln
            100                 105                 110

Val Thr Val Ser Ser
        115


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

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

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

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

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

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

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

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


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


Val Thr Val Ser Ser
        115


<210> 21
<211> 117
<212> PRT
<213> Artificial Sequence

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

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


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


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


Ala Gly Ile Ser Val Asp Gly Ser Thr Asn Tyr Ala 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 Gln Pro Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


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

Val Thr Val Ser Ser
115

<210> 22
<211> 117
<212> PRT
<213> Artificial Sequence

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

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

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

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

Ala Gly Ile Ser Val Asp Gly Ser Thr Asn Tyr Ala 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 Gln Pro Glu Asp Thr Ala Ala Tyr Tyr Cys Tyr
85 90 95

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

Val Thr Val Ser Ser
115

<210> 23
<211> 117

<212> PRT
<213> Artificial Sequence

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

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

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

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

Ala Gly Ile Ser Val Asp 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 Tyr Leu
65 70 75 80

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

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

Val Thr Val Ser Ser
115

<210> 24
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 24

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


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


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


Ala Gly Ile Ser Val Asp 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 Tyr Leu
65                  70                  75                  80


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


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


Val Thr Val Ser Ser
        115


<210> 25
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 25
Gln Val Gln Leu Gln 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 Ser Val Ser Phe Leu
            20                  25                  30
```

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

Ala Gly Ile Ser Thr Asp Gly Ser Thr Asn Tyr Val 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 Gln Pro Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

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

Val Thr Val Ser Ser
115

<210> 26
<211> 117
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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


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


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


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


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


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


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


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


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

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

Val Thr Val Ser Ser
115

<210> 28
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 28
Gln Val Gln Leu Gln 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 Ser Val Ser Phe Leu
20 25 30

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 29
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 29
Gln Val Gln Leu Gln 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 Ser Val Ser Phe Leu
20 25 30

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 30
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 30
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Val Ala Gly Gly
1 5 10 15

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 31
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 31
Gln Val Gln Leu Gln 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 Ser Val Ser Phe Leu
20 25 30

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

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

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

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

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

Val Thr Val Ser Ser
        115


<210> 32
<211> 117
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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


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


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


Val Thr Val Ser Ser
        115


<210> 33
<211> 117
<212> PRT
<213> Artificial Sequence

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

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


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


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


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


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


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

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

Val Thr Val Ser Ser
115

<210> 34
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 34
Gln Val Gln Leu Gln 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 Phe Thr Leu Asp Tyr Tyr
20 25 30

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 35
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 35
Gln Val Gln Leu Gln 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 Ser Ile Asn
20 25 30

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

Ala Gly Ile Ser Ser Asp Gly Ser Lys Asn Tyr Ala 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 Tyr
85 90 95

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

Thr Gln Val Thr Val Ser Ser
115

<210> 36
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 36
Gln Val Gln Leu Gln 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 Ser Ile Asn
20 25 30

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

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala 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 Phe Tyr Cys Tyr
85 90 95

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

Thr Gln Val Thr Val Ser Ser
115

<210> 37
<211> 118
<212> PRT
<213> Artificial Sequence

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

<400> 37
Gln Val Gln Leu Gln 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 Ile Thr Ser Ser Val Tyr
            20                  25                  30

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

Ala Gly Ser Ser Ser Asp Gly Ser Thr His Tyr Val Asp Ser Val Arg
    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 Ser Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

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

Gln Val Thr Val Ser Ser
        115


<210> 38
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 38
Gln Val Gln Leu Gln 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 Ser Met Phe Asn
            20                  25                  30

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

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

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

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

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

Ser Ser
```

<210> 39
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 39

```
Gln Val Gln Leu Gln 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 Ser Met Val Asn
            20                  25                  30

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

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

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

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

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

Ser Ser

<210> 40
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 40
Gln Val Gln Leu Gln 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 Val Ser Met Phe Asn
20 25 30

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

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

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

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

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

Ser Ser

<210> 41
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 41
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

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

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

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

Thr His Trp Thr Gln Gly Ser Val Pro Lys Glu Ser Trp Gly Gln Gly
100 105 110

Thr Gln Val Thr Val Ser Ser
115

<210> 42
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 42
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

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

Ala Ser Ile Thr Thr Phe Gly Ser Thr Asn Tyr Ala Asp Pro 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 Ser
85 90 95

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

Val Ser Ser
115

<210> 43
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 43
Gln Val Gln Leu Gln 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 Ile Ser Ser Ile Ile
            20                  25                  30

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

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

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

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

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

Val Ser Ser
        115
```

<210> 44
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 44

```
Gln Val Gln Leu Gln 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 Ile Ser Ser Ile Ile
            20                  25                  30

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

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

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

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

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

Val Ser Ser
        115


<210> 45
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 45
Gln Val Gln Leu Gln 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 Ile Phe Thr Thr Asn
            20                  25                  30

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

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

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

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


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


Ser Ser
```

<210> 46
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 46

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


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


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


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


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


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


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

Ser Ser

<210> 47
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 47
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Trp Val Gln Ala Gly Gly
1 5 10 15

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

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

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

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

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

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

Ser Ser

<210> 48
<211> 114

<212> PRT
<213> Artificial Sequence

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

<400> 48
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Trp Val Gln Ala Gly Gly
1 5 10 15

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

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

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

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

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

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

Ser Ser

<210> 49
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 49

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


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


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


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


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


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


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


Ser Ser
```

<210> 50
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 50

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


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

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

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

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

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

Phe Trp Ile Ala Gly Lys Ala Tyr Trp Gly Gln Gly Thr Gln Val Thr
            100                 105                 110

Val Ser Ser
        115
```

<210> 51
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 51

```
Gln Val Gln Leu Gln 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 Ile Ser Ser Phe Asn
            20                  25                  30

Phe Met Ser Trp His Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Ala
        35                  40                  45

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

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


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


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


Val Ser Ser
        115


<210> 52
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 52
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1               5                   10                  15


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


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


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


Gly Arg Phe Thr Ile Ser Arg Asp Asp Ala 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 Tyr
                85                  90                  95
```

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

Thr Val Ser Ser
115

<210> 53
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 53
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Val Ser Ser
115

<210> 54
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 54
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Ser Ser

<210> 55
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 55
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 56
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 56
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Met 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

Phe Trp Ile Ala Gly Lys Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser
        115
```

<210> 57
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 57

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

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

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

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

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


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


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


Thr Val Ser Ser
        115


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

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

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


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


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


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


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


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

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


Thr Val Ser Ser
        115


<210> 59
<211> 115
<212> PRT
<213> Artificial Sequence

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

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


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


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


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


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Met 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


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


Val Ser Ser
        115
```

<210> 60
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 61
<211> 114
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 61
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Phe Met Phe Ser Ser Tyr
20 25 30

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

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

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

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

Ser Ser

<210> 62
<211> 114
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

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

Ser Ser

<210> 63
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 63
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

Asn Ala Gln His Phe Gly Thr Asp Ser Trp Gly Gln Gly Thr Leu Val
            100                 105                 110

Thr Val Ser Ser
        115
```

<210> 64
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 64

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

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

Phe Met Ser Trp His Arg Gln Ala Pro Gly Lys Glu Arg Glu Leu Ala
        35                  40                  45

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

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

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


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


Val Ser Ser
        115


<210> 65
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 65
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Glu Ser Ile Phe Ser Ile Asn
            20                  25                  30


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


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


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


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


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

Val Ser Ser
115

<210> 66
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 66
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Ser Ser

<210> 67
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 67
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Thr His Trp Thr Gln Gly Ser Val Pro Lys Glu Ser Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 68
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 68
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115


<210> 69
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 69
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

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

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

Val Ser Ser
        115


<210> 70
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 70
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Phe Met Phe Ser Ser Tyr
            20                  25                  30

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

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

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


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


Ser Ser
```

<210> 71
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 71

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


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


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


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


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


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


Asn Ala Gln Gln Phe Gly Thr Asp Ser Trp Gly Gln Gly Thr Leu Val
            100                 105                 110
```

Thr Val Ser Ser
        115

<210> 72
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 72
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

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

Val Thr Val Ser Ser
        115

<210> 73
<211> 117

<212> PRT
<213> Artificial Sequence

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

<400> 73
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 74
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 74

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


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


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


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


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


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


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


Val Ser Ser
        115


<210> 75
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 75
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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

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

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

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

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

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 76
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 76
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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


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


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


Thr Val Ser Ser
        115


<210> 77
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 77
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


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


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

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

Val Thr Val Ser Ser
115

<210> 78
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 78
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Ser Phe Ser His Asn
20 25 30

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

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

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

Gly Glu Ser Phe Gly Arg Ile Trp Tyr Asn Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 79
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 79
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Val Ser Ser
115

<210> 80
<211> 115
<212> PRT
<213> Artificial Sequence

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

<400> 80
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Val Ser Ser
115

<210> 81
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 81
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Ser Ser
```

<210> 82
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 82

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

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

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

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

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


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


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


Thr Val Ser Ser
        115


<210> 83
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 83
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


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


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

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

Val Thr Val Ser Ser
115

<210> 84
<211> 114
<212> PRT
<213> Artificial Sequence

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

<400> 84
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Ser Ser

<210> 85
<211> 118
<212> PRT
<213> Artificial Sequence

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

<400> 85
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Leu Val Thr Val Ser Ser
115

<210> 86
<211> 115
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 86
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Met 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

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

Val Ser Ser
115

<210> 87
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 87
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Arg His Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 88
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 88
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 89
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 89

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

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

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

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

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

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


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


Thr Leu Val Thr Val Ser Ser
        115


<210> 90
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 90
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


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


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


Tyr Phe Arg Thr Val Arg Gly Ser Ser Met Ser Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 91
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 91
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115

<210> 92
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 92
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Arg Met Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 93
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 93
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115


<210> 94
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 94
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 95
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 95

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

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

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

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

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

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


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


Thr Leu Val Thr Val Ser Ser
        115


<210> 96
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 96
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


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


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


Tyr Phe Arg Thr Val Leu Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 97
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 97
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

Tyr Phe Arg Arg Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 98
<211> 119

<212> PRT
<213> Artificial Sequence

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

<400> 98
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 99
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 99

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


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


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


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


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


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


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


Thr Leu Val Thr Val Ser Ser
        115


<210> 100
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 100
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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

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

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

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

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

Tyr Phe Arg Ile Val Arg Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 101
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 101
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

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

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

Tyr Tyr Arg Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 102
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 102
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Arg His Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 103
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 103
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Arg Phe Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 104
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 104
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 105
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 105
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

Tyr Phe Arg Thr Lys Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 106
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 106
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115


<210> 107
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 107
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

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


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


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


Thr Leu Val Thr Val Ser Ser
        115


<210> 108
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 108
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


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


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

```
Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Ser Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 109
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 109
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


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


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


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


Thr Leu Val Thr Val Ser Ser
        115
```

<210> 110
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 110
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 111
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 111
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Arg Thr Val Ser Gly Ser His Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 112
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 112
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Arg Ala Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 113
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 113
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 114
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 114

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

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

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

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

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

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


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


Thr Leu Val Thr Val Ser Ser
        115


<210> 115
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 115
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


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


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


Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Ser Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
115

<210> 116
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 116
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 117
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 117
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 118
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 118
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115


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

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

<400> 119
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

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

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

Tyr Phe Arg Gln Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 120
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 120
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Leu Ala Asp Ser Val Lys
    50                  55                  60

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

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


Tyr Phe Arg Ile Val Ser Gly Ser Ser Met Gly Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 121
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 121
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Lys Asn
            20                  25                  30


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


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


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


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


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

Thr Leu Val Thr Val Ser Ser
        115

<210> 122
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 122
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

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

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

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

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

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

Tyr Phe Arg Thr Val His Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 123
<211> 119

<212> PRT
<213> Artificial Sequence

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

<400> 123
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Arg Met Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 124
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 124

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


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


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


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


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


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


Tyr Phe Arg Thr Ile Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 125
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 125
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Asn Asn
            20                  25                  30
```

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115


<210> 126
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 126
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

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

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


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


Tyr Phe Arg Thr Val Ser Gly His Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 127
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 127
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


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


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


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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 128
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 128
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Arg Thr Lys Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 129
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 129
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 130
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 130
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Tyr Phe Asn Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 131
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 131
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

```
Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asn Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Arg Gly Ser Ser Gln Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 132
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 132
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Lys Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Ile Ala Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Leu Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 133
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 133
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Tyr Phe Arg Thr Arg Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 134
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 134
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Val Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Gly Leu Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115
```

<210> 135
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 135
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Asn Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Tyr Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Arg Gly Ser Ser Gln Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 136
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 136
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Thr Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Val Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 137
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 137
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Gly Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Arg Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 138
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 138
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Ala
35 40 45

```
Ala Gly Ile Ser Ser Asp Gln Ser Lys Val Tyr Ala Asp Ser Ala Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Ser Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 139
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 139

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Gly Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Gly Ser Ser Ala Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 140
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 140
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Arg Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe His Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
115

<210> 141
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 141
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Ile Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Leu Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 142
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 142
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Asp Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 143
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 143
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Lys Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Asn Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 144
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 144
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Asn Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ser Asn Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Thr Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 145
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 145
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Arg Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Lys Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 146
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 146
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Lys Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 147
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 147
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Leu Thr Ser Ser Ile Asn
            20   25   30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Gln Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Arg Thr Asn Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 148
<211> 119

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 148
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Glu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ala Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 149
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 149

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Thr Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Leu Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Asn Leu Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 150
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 150
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30
```

```
Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Tyr Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Thr Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 151
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 151

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Val Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Lys Val Ser Gly Ser Ser Ala Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 152
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 152
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Val Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Tyr Phe Arg Thr Tyr Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 153
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 153
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Lys Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115
```

<210> 154
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 154
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Lys Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 155
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 155
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Ala
35 40 45

Ala Gly Ile Ser Ser Asp Asn Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Arg Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 156
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 156
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Lys Ser Ser Ile Asn
20 25 30

```
Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Ala
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Gln Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Ser Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 157
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 157
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Phe Leu Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 158
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 158
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Phe Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 159
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 159
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Phe Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Leu Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Leu Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115
```

<210> 160
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 160
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Arg Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asn Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Phe Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 161
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 161
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asn Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Gln Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 162
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 162
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Pro Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 163
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 163
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Val Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Leu Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 164
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 164

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Gly Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Gly Ser Ala Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 165
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 165
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Thr Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
115

<210> 166
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 166
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Arg Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asn Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Thr Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 167
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 167
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Arg Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Thr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Arg Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 168
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 168
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Lys Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Arg Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Ser Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 169
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 169
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Arg Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ser Asn Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Ser Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 170
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 170

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Pro Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 171
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 171
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Leu Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg His Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 172
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 172
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20   25   30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Arg Thr Lys Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 173
<211> 119

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 173
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Thr Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 174
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 174

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Thr Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe His Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 175
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 175
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30
```

```
Ala Phe Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Arg Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 176
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 176
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Arg Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Leu Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Leu Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 177
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 177
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Asn Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Arg Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Ser Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 178
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 178
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asn Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Arg Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115
```

<210> 179
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 179
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ala Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Tyr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 180
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 180
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Tyr Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 181
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 181
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Arg Asn
20 25 30

```
Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Leu Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 182
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 182
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Asn Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Lys Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Tyr Arg Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 183
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 183
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Tyr Phe Arg Ser Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 184
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 184
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Arg Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Gln Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Arg Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115
```

<210> 185
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 185
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Pro Ser Gly Ser Thr Ser Asn Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Pro
35 40 45

Ala Gly Ile Ser Ser Asp Gly Thr Lys Ile Tyr Ala Asp Ser Ala Lys
50 55 60

Val Pro Phe Thr Ile Thr Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Thr Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 186
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 186
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Lys Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Arg Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ala Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 187
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 187
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Leu Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Ile Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 188
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 188
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Lys Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly Val Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 189
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 189

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Arg Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Gln Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 190
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 190
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Arg Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Ala Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
115

<210> 191
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 191
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Ser Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 192
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 192
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Thr Lys Val Tyr Arg Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Gln Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 193
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 193
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Ala
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asn Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Arg Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 194
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 194
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Lys Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 195
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 195
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Trp Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 196
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 196
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Lys Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Arg Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 197
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 197
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20   25   30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Phe Lys Gln Gly Glu Leu Pro
        35   40   45

Ala Gly Ile Ser Pro Asp Gly Thr Lys Ala Tyr Ala Asp Ser Ala Lys
    50   55   60

Val Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe His Thr Val Cys Gly Thr Ser Met Gly Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 198
<211> 119

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 198
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ala Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Gln Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 199
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 199

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Pro Ser Ser Ile Asn
            20                  25                  30


Ala Tyr Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Ser Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 200
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 200
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30
```

```
Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Ser Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Arg Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 201
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 201
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Arg Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Gln Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 202
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 202
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Val Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Ser Ser Ala Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Tyr Phe Arg Thr Leu Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 203
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 203
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe His Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 204
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 204
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Ser Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Arg Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 205
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 205
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20   25   30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Arg Leu Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 206
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 206
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20   25   30

```
Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Gly Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly Ser Tyr Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 207
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 207
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Ala
        35                  40                  45

Ala Gly Ile Ser Ser Asp Asn Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Gly Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 208
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 208
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Tyr Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Ala Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Tyr Phe Arg Thr His Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 209
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 209
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Ser Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Thr Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115
```

<210> 210
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 210
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Lys Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Pro
35 40 45

Ala Gly Ile Ser Ser Asn Gly Thr Lys Val Tyr Ala Asp Ser Ala Lys
50 55 60

Val Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Leu Gly Thr Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 211
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 211
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 212
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 212
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Val Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Lys Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Gly Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 213
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 213
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

```
Ala Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Ala Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 214
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 214

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Ile Leu Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 215
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 215
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Gln Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 216
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 216
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Tyr Ile Asn
            20   25   30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Arg Thr Val Ser Gly Gln Ser Met Gly Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 217
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 217
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Val Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Ala Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 218
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 218
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Pro
        35                  40                  45

Ala Gly Ile Ser Arg Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Tyr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 219
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 219
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Ala
        35                  40                  45
```

```
Ala Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 220
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 220
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Arg Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Arg Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 221
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 221
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30


Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Ala
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe His Thr Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 222
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 222
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20   25   30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Arg Gln Val Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 223
<211> 119

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 223
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Thr Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Tyr Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 224
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 224

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Thr Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Ala Ser Gly Ser Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 225
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 225
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30
```

```
Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Thr Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly His Ser Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 226
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 226

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Ala
        35                  40                  45

Ala Gly Ile Ser Lys Asp Gly Ser Lys Val Tyr Ala Asp Ser Ala Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Gly Ser Ser Ser Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 227
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 227
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Pro Ser Ser Ile Asn
            20                  25                  30


Ala Tyr Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Tyr Phe Arg Thr Val Ser Gly Ser Ser Tyr Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 228
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 228
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Pro Ser Ser Ile Asn
20 25 30

Ala Tyr Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Gln Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 229
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 229
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 230
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 230
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 231
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 231
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
20 25 30

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 232
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 232
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Gln Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Ile Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 233
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 233
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Glu Ala Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 234
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 234
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Arg Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Val Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 235
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 235
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Gly Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Arg Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 236
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 236
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Val Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Tyr Ile Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 237
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 237
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 238
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 238
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 239
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 239

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Gly Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 240
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 240
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Gln Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asn Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
        115

<210> 241
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 241
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Asn Val Ser Phe Leu
            20   25   30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ala Arg Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Ala Tyr His Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 242
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 242
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Ser Val Lys Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 243
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 243
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Lys Ser Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Lys Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 244
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 244
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 245
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 245

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser His Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asn Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Ala Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 246
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 246
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Val Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 247
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 247
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Ala Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Val Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 248
<211> 117

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 248
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala His Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 249
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 249

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Ile Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 250
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 250
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30
```

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Arg Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Gly Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 251
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 251
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser His Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Pro Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Asp Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 252
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 252
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 253
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 253
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Thr Ser Val Ser Phe Leu
20 25 30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Ala Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 254
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 254
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Leu Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Gly Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 255
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 255
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ile Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 256
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 256
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
20 25 30

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala His Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 257
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 257
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Ile Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 258
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 258
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Ala Tyr Arg Trp Ile Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 259
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 259
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Val Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Met Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 260
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 260
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 261
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 261
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 262
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 262
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asn Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Asn Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 263
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 263
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Arg Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ala Asn Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 264
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 264

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Lys Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 265
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 265
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Arg Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Arg Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Lys Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
        115

<210> 266
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 266
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20   25   30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Met Tyr Ile Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Ala Tyr Arg Trp His Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 267
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 267
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Gly Val Arg Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Pro Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 268
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 268
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Gly Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Met Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 269
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 269
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val His Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 270
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 270

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 271
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 271
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Phe Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 272
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 272
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 273
<211> 117

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 273
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 274
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 274

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Ala Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 275
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 275
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30
```

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp His Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 276
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 276

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Gly Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 277
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 277
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Tyr Ser Ser Val Ser Arg Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Ala Tyr Arg Trp Thr Thr Arg Asn Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 278
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 278
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115
```

<210> 279
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 279
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Tyr Ala Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 280
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 280
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20   25   30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ala Asp Gly Arg Thr Asp Tyr Ile Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 281
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 281
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Ser Val Ser Phe Leu
            20   25   30

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ile Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 282
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 282
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 283
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 283
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Ala Tyr Arg Trp Thr Ser Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 284
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 284
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Lys Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Val Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115
```

<210> 285
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 285
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Val Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Gly Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Thr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 286
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 286
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Val Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 287
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 287
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Gly Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Ala Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 288
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 288
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Gly Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 289
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 289

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Leu Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 290
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 290
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Gln Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Phe Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Gly Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
        115

<210> 291
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 291
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20   25   30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 292
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 292
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Lys Ser Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Ala Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 293
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 293
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 294
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 294
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Pro Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 295
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 295

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Gln Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 296
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 296
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Asn Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Lys Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 297
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 297
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Arg Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 298
<211> 117

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 298
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Lys Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 299
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 299

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 300
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 300
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
            20                  25                  30
```

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 301
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 301
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Asn Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 302
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 302
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Ala Tyr Arg Trp Thr Thr Arg Tyr Lys Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 303
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 303
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Lys Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115
```

<210> 304
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 304
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Gly Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Val Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 305
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 305
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Phe Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 306
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 306
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
20 25 30

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Phe Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 307
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 307
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Leu Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Val Ser Ser Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 308
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 308
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly His Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr His Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 309
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 309
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Phe Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 310
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 310
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Gly Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 311
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 311
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Met
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Ala Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Ser Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 312
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 312
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Ser Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Ser Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 313
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 313

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Thr Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Gly Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 314
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 314

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Lys Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 315
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 315
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Phe Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 316
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 316
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Met
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Val Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 317
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 317
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Asn Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 318
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 318
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Asn Ser Ser Val Ser Lys Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 319
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 319
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ala Asp Gly Ser Lys Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Leu Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 320
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 320
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Gln Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Phe Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 321
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 321
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Met
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Leu Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
        115

<210> 322
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 322
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20   25   30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 323
<211> 117

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 323
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 324
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 324

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Arg Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Gln Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 325
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 325
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30
```

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Thr Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 326
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 326

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Lys Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Met Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 327
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 327
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Ser Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 328
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 328
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Pro Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115
```

<210> 329
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 329
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Asn Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr His Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Leu Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 330
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 330
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Leu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Glu Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 331
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 331
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
20 25 30

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile His Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 332
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 332
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Val Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 333
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 333
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Val Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 334
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 334
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Gln Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 335
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 335
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Thr Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Arg Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Leu Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 336
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 336
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Met Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Leu Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 337
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 337
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Lys Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 338
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 338
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Ser Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Thr Arg Ser Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 339
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 339

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 340
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 340
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Thr Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 341
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 341
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Thr Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser His Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 342
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 342
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Gln Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Tyr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 343
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 343
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Arg Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Leu Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 344
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 344
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 345
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 345

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Glu Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 346
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 346
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ile Asp Gly Ser Thr Asp Tyr Ile Lys Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
        115

<210> 347
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 347
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Lys Val Ser Phe Leu
            20   25   30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ala Asp Gly Ser Lys Asp Tyr Ile Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100   105   110

Val Thr Val Ser Ser
        115

<210> 348
<211> 117

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 348
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Pro Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 349
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 349

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg His Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 350
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 350
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30
```

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile His Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 351
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 351

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Ile Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ile Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp His Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 352
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 352
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30


Ser Val Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asn Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Ala Tyr Arg Trp Thr Asn Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 353
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 353
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115
```

<210> 354
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 354
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Tyr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Arg Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 355
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 355
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly His Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Ala Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 356
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 356
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Arg Phe Leu
20 25 30

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Gly Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 357
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 357
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asn Gly Ser Thr Asp Tyr Tyr Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 358
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 358
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Arg Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 359
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 359
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Val Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Glu Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 360
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 360
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Arg Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Arg Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Ser Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 361
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 361
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Arg Ser Val Ser Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Ile Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 362
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 362
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Arg Ser Val Ser Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asn Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 363
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 363
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Val Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 364
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 364

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Lys Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Arg Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Tyr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 365
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 365
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Arg Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Val Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Leu Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 366
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 366
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Lys Phe Leu
20 25 30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Leu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Glu Trp Thr Thr Arg Tyr Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 367
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 367
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Arg Leu
20 25 30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Val Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Thr Arg Leu Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 368
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 368
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Ser Ser Ser Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Phe Asn Glu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Pro Ala Ala Gly Ser Pro Met Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 369
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 369
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Ile Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

```
Ala Gly Ile Ser Ser Asp Gly Ser Glu Val Tyr Thr Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Asp Gly Ser Pro Leu Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 370
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 370
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Asp Ser Asn Val Tyr Tyr Glu Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Gly Ser Ser Lys Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 371
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 371
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Gln Thr Tyr Arg Val Asn
            20                  25                  30


Ala Phe Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Ser Ala Gly Ser Gly Thr Glu Met Ser Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 372
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 372
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20   25   30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Glu Ser Thr Leu Tyr Val Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Gly Ser Leu Ser Gly Ser Ser Thr Thr Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 373
<211> 119

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 373
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Ala Ser Leu Thr Asn
20 25 30

Ala Thr Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Asp Ser Lys Val Tyr Ser Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Gly Ser Val Ser Gly Ser Trp Thr Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 374
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 374

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Tyr Pro Ser Leu Asn Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Gln Val Tyr Gly Ala Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Leu Val Ser Gly Ser Ser Met Ser Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 375
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 375
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Ser Ser Thr Ile Asn
            20                  25                  30
```

```
Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Gly Ser Gly Thr Ser Lys Ser Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 376
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 376
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Tyr Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Asn Met Tyr Ala Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Ser Asn Met Ser Gly Thr Thr Arg Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 377
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 377
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Val Asn
            20                  25                  30


Ala Leu Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Tyr Phe Arg Thr Val Pro Gly Ser Ala Met Gly Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 378
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 378
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Leu Ser Asn
            20                  25                  30


Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Ser Ala Glu Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Ala Glu Ser Gly Ser Ser Met Gly Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115
```

<210> 379
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 379
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Thr Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asp Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Leu Tyr Gly Ser Ser Arg Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 380
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 380
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Leu Thr Ser Thr Ile Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asp Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Ser Pro Phe Ser Gly Ser Asp Thr Gly Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 381
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 381
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Val Ser Pro Ser Lys Asn
20 25 30

```
Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Ala Val Tyr Val Gly Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Ser Thr Phe Ser Gly Ser Ser Ile Ser Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 382
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 382

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Tyr Val Tyr Ser Glu Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Leu Ala Gly Ser Glu Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 383
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 383
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Thr Met Asn Asn
            20                  25                  30


Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Ser Ser His Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Tyr Phe Arg Thr Val Ser Gly Ser Gly Val Arg Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 384
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 384
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Lys Ile Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Ser Ser Ile Val Tyr Thr Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Pro Gly Ala Gly His Ser Asn Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 385
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 385
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Gln Thr Thr Ala Leu Asn
20 25 30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Glu Val Asn Thr Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Arg Ala Ser Gly Thr Ala Met Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 386
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 386
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ala Thr Ser Ser Ile Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Leu Ser Ser Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Thr Ser Ala Ser Gly Thr Asp Leu Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 387
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 387
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Thr Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Asn Ser Lys Val Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Ser Ala Asn Gly Ser Ser Lys Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 388
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 388
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ser Asp Gly Ser Arg Val Tyr Phe Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Lys Thr Ile Ala Gly Ala Gly Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 389
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 389
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Leu Val Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Glu Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Tyr Gly Ser Gly Ser Ser Leu Ser Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 390
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 390
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Leu Asn Asn
            20                  25                  30


Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Val Val Tyr Val Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Pro Gly Ala Ser Met Lys Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 391
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 391
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Pro Val Asn
            20   25   30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Arg Thr Val Asp Gly Ser Ala Ile Ser Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 392
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 392
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Thr Thr Ser Ser Met Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Asp Glu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Lys Gly Ser Gly Gly Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 393
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 393
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Glu Thr Ser Ser Ile Asn
            20                  25                  30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Tyr Ser Lys Leu Tyr Ala Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Val Ser Gly Ser Ser Arg Gly Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 394
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 394
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Thr Ile Asn
            20                  25                  30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Ser Asp Ser Ser Lys Val Tyr Thr Glu Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Pro Gly Pro Gly Ser Gln Met Ala Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115


<210> 395
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 395
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Tyr Ser Met Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Gln Val Tyr Val Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ala Gly Ser Ala Ser Gly Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 396
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 396
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Pro Ser Ser Ile Asn
            20                  25                  30


Ala Tyr Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Ser Gly Ser Ser Tyr Ser Tyr Trp Gly Gln Gly
            100                 105                 110
```

Thr Leu Val Thr Val Ser Ser
        115

<210> 397
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 397
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Thr Ile Asn
            20   25   30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Ile Asn Leu Lys Gly Ser Ser Met Ala Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 398
<211> 119

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 398
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Met Val Thr Gly Ser Tyr Gly Gly Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 399
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 399

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Ile Ser Ser Ile Asn
            20                  25                  30


Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Ser Val Tyr Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Lys Ser Ser Tyr Gly Leu Pro Met Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 400
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 400
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Gln Val Asn Asn
            20                  25                  30
```

```
Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Gln Val Tyr Tyr Gly Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Lys Thr Val Ser Gly Gln Ser Leu Arg Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 401
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 401

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ala Ser Phe Asn
            20                  25                  30

Ala Met Ala Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Arg Thr Val Thr Gly Arg Ala Ala Arg Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 402
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 402
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Pro Leu Ser Ile Asn
            20                  25                  30


Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Ser Ala Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Tyr Phe Gly Pro Ala Ile Gly Ala Ser Arg Thr Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 403
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 403
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Thr Phe Ile Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Glu Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe Arg Thr Val Ser Gly Ala Pro Lys Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 404
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 404
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Ser Ile Asn
20 25 30

Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Arg Ser Lys Val Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Tyr Phe His Thr Val Ser Gly Ser Ser Met Ser Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 405
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 405
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Glu Thr Asp Thr Ile Asn
            20   25   30

Ala Val Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35   40   45

Ala Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Glu Ser Val Lys
    50   55   60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65   70   75   80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85   90   95

Tyr Phe Arg Arg Leu Glu Gly Tyr Ser Asn Arg Tyr Trp Gly Gln Gly
            100   105   110

Thr Leu Val Thr Val Ser Ser
        115

<210> 406
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 406
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1   5   10   15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Thr Ser Pro Ile Asn
            20   25   30

```
Ala Ile Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser Val Val Thr Thr Glu Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Tyr Phe Arg Thr Gly Ser Gly Ser Ser Met Gly Tyr Trp Gly Gln Gly
            100                 105                 110

Thr Leu Val Thr Val Ser Ser
        115
```

<210> 407
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 407

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Val Ala Ser Gly Ser Ile Thr Ser Ser Asn
            20                  25                  30

Ala Met Gly Trp Tyr Arg Arg Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Ser Asp Gly Ser His Val His Gln Glu Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Tyr Phe Thr Thr Val Thr Gly Ser Ser Met Ser Tyr Trp Gly Gln Gly
            100                 105                 110


Thr Leu Val Thr Val Ser Ser
        115


<210> 408
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 408
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Arg Tyr Ser Val Ser Asn Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Val Glu Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

Ala Tyr Tyr Trp Thr Glu Arg Arg Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 409
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 409
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asp
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Met Ser Thr Val Ser Val Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ser Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Trp Asp Asp Ala His Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 410
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 410
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Asp Ser Tyr Val Ser Leu Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Val Asp Gly Ser Thr His Tyr Val Ala Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Met Thr Arg Leu Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 411
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 411
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Asp Ser Ala Val Ser Val Leu
20 25 30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Thr Asp Gly Ser Lys His Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Asp Trp Ala Asp Ala Gln Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 412
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 412
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser His Ser Ser Val Thr Ser Leu
20 25 30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Tyr Asp Gly Ser Lys Tyr Tyr Ala Glu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Trp Thr Asp Arg Leu Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 413
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 413
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Asp Ser Val Val Lys Phe Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

```
Ala Gly Ile Ser Ala Asn Gly Ser Arg Thr Tyr Met Glu Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Arg Trp Ala Thr Arg Leu Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 414
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 414

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Asp Pro Ser Val Trp Asn Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Pro Asp Gly Ser Thr Asp Tyr Val Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Lys Trp Ser Asn Arg Leu Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 415
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 415
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Thr Ser Val Met Leu Leu
            20                  25                  30


Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Pro Asn Gly Ser Ala Val Tyr Thr Glu Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Gly Trp Lys Thr Arg Gln Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 416
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 416
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Ser Ser Pro Val Ser Asn Leu
20 25 30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Pro Asp Gly Ser Thr Ala Tyr Met Glu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Pro Asn Arg Arg Gly Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 417
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 417
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Trp Arg Ser Val Leu Leu Leu
20 25 30

Ser Val Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Asn Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Asp Trp Thr Thr Arg Gln Arg Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 418
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 418
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Ser Ser Ser Val Gln Tyr Leu
            20                  25                  30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Thr Asp Gly Ser Ala Val Tyr Phe Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Asn Trp Ser Tyr Ala Gln Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 419
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 419
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Thr Ser Val Ser Leu Leu
            20                  25                  30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Thr Gly Gly Ser Thr His Tyr Ile Glu Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Asn Trp Thr Asp Ser Leu Gln Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 420
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 420
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Leu Ser Ser Val Ser Asn Leu
            20                  25                  30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Thr Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Ser Trp Thr Thr Ser Leu Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 421
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 421
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Met Tyr Ser Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Asn Glu Gly Ser Thr Tyr Tyr Met Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Lys Trp Arg Ser Arg Ser Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 422
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 422
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Lys Ser Ser Val Ser His Leu
20 25 30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Ala Asp Gly Ser His Val Tyr Thr Asn Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Gln Thr Thr Arg Asp Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 423
<211> 117

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 423
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Tyr Thr Ser Val Leu Asp Leu
20 25 30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Asp Asp Gly Ser Arg Tyr Tyr Thr Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Thr Ala Arg Asp Thr Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 424
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 424

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Met Ser Asp Val Ser Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Glu Gly Ser Thr Leu Tyr Met Glu Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Thr Ser Arg Leu Ser Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 425
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 425
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Glu Ser Ser Val Ser Phe Leu
            20                  25                  30
```

```
Ser Ser Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Thr Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Ser Trp Thr Thr Arg Ser Arg Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 426
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 426
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Asp Ser Val Ser Leu Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Ala Asn Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Asn Trp Thr Ser Arg Tyr Arg Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 427
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 427
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Asp Val Trp Tyr Leu
            20                  25                  30


Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Asp Asp Gly Ser Arg His Tyr Ile Glu Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Ala Tyr Ser Trp Lys Thr Arg Phe Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 428
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 428
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Lys Ser Ala Val Ala Phe Leu
            20                  25                  30


Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Pro Asp Gly Ser Thr Val Tyr Ile Glu Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Ser Trp Thr Thr Arg Tyr Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115
```

<210> 429
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 429
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Phe Ser Ala Val Ala Tyr Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Asp Asp Gly Ser Thr Val Tyr Val Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Glu Trp Thr Asn Ala Leu Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 430
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 430
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Val Tyr Ser Val Tyr Asp Leu
20 25 30

Ser Thr Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Asp Asp Gly Ser Thr Val Tyr Phe Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Trp Ile Thr Arg Ser Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 431
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 431
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Asp Ser Val Ser Phe Leu
20 25 30

```
Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Asp Glu Gly Ser Thr Val Tyr Ile Gly Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Ser Trp Thr Thr Arg Arg Gln Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 432
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 432
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Ser Ser Ser Val Ser Leu Leu
            20                  25                  30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Asp Asp Gly Ser Ile Val Tyr Met Asp Ser Val Lys
    50                  55                  60
```

```
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Ser Trp Ile Thr Arg Ser Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 433
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 433
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Ala Asp Ser Val Ser Phe Leu
            20                  25                  30


Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Asp Asp Gly Ser Lys His Tyr Phe Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95
```

```
Ala Tyr Arg Trp Glu Glu Ser Arg Gln Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 434
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 434
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Ala Ser Ser Val Thr Leu Leu
            20                  25                  30


Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Leu His Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Thr Trp Thr Thr Arg Leu Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Thr Ser
        115
```

<210> 435
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 435
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Ala Asp Ser Val Ser Phe Leu
20 25 30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Asp Asp Gly Ser Lys His Tyr Phe Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Arg Trp Glu Glu Ser Arg Gln Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 436
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 436
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Thr Ser Val Trp Leu Leu
20 25 30

Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Tyr Asp Gly Ser Thr Val Tyr Val Glu Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Trp Thr Thr Arg Gln Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 437
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 437
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

```
Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ser Val Ser Ile Leu
            20                  25                  30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Asp Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Val Trp Gly Thr Arg Leu Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115


<210> 438
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 438
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Thr Ala Val Ser Asn Leu
            20                  25                  30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45
```

```
Ala Gly Ile Ser Asp Asp Gly Ser Thr Val Tyr Val Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Glu Trp Thr Asn Ala Leu Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser
        115
```

<210> 439
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 439

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Ser Ala Val Ser Met Leu
            20                  25                  30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45

Ala Gly Ile Ser Asp Asp Gly Ser Gln Val Tyr Ile Asp Ser Val Lys
    50                  55                  60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Arg Trp Glu Asp Ala Leu Thr Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110


Val Thr Val Ser Ser
        115


<210> 440
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 440
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Met Thr Val Phe Phe Leu
            20                  25                  30


Ser Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Val Asp Gly Ser Thr Val Tyr Ser Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80


Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95


Ala Tyr Ser Trp Thr Thr Arg Tyr Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110
```

Val Thr Val Ser Ser
115

<210> 441
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 441
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gln Tyr Ser Val Thr Phe Leu
20 25 30

Ser Val Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Asp Asp Gly Ser Asn Val Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Trp Ile Asp Ser Leu Arg Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 442
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 442
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Glu Thr Val Ser Phe Leu
20 25 30

Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Thr Asp Gly Ser Thr Val Tyr Phe Val Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Trp Thr Thr Pro Arg Ala Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 443
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 443
Gly Ser Ile Phe Ser Ile Ala Ser Met Gly
1 5 10

<210> 444
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 444
Gly Ser Ile Phe Ser Ile Ala Ser Met Gly
1 5 10

<210> 445
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 445
Gly Ser Ile Phe Ser Ile Ala Ser Met Ala
1 5 10

<210> 446
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 446
Glu Ser Ile Phe Ser Ile Asn Val Met Ala
1 5 10

<210> 447
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 447
Gly Ser Ser Phe Ser Ile Thr Ser Met Ala
1 5 10

<210> 448
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 448
Ser Ser Ile Phe Ser Ile Ser Ser Met Ser
1 5 10

<210> 449
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 449
Ser Ser Ile Phe Ser Ile Ser Ser Met Ser
1 5 10

<210> 450
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 450
Gly Ser Thr Leu Asn Ile Lys Ile Met Ala
1 5 10

<210> 451
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 451
Gly Ser Thr Leu Asn Ile Lys Ile Met Ala
1 5 10

<210> 452
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 452
Gly Ser Thr Phe Asn Ile Lys Thr Met Ala
1 5 10

<210> 453
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 453
Gly Ser Thr Phe Asn Ile Lys Leu Met Ala
1 5 10

<210> 454
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 454
Gly Ser Thr Phe Asn Phe Lys Ile Met Ala
1 5 10

<210> 455
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 455
Gly Phe Met Phe Ser Ser Tyr Ser Met Ser
1 5 10

<210> 456
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 456
Gly Phe Met Phe Ser Ser Tyr Ser Met Ser
1 5 10

<210> 457
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 457
Gly Phe Thr Phe Ser Ser His Ser Met Ser
1 5 10

<210> 458
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 458
Gly Ser Ser Phe Ser His Asn Thr Met Gly
1 5 10

<210> 459
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 459
Gly Gly Arg Phe Ser Tyr Ala Thr Met Gly
1 5 10

<210> 460
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 460
Gly Ser Arg Phe Ser Tyr Ala Thr Met Gly
1 5 10

<210> 461
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 461

Gly Ser Thr Phe Thr Ser Asn Val Met Gly
1 5 10

<210> 462
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 462
Gly Ser Ser Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 463
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 463
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1 5 10

<210> 578
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1 5 10

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1 5 10

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1 5 10

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<210> 591
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1 5 10

<210> 592
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peptide

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1 5 10

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1 5 10

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1 5 10

<210> 604
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<210> 605
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1 5 10

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1 5 10

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1 5 10

<210> 608
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1 5 10

<210> 609
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1 5 10

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1 5 10

<210> 611
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1 5 10

<210> 612
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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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peptide

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1 5 10

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peptide

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1 5 10

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1 5 10

<210> 620
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1 5 10

<210> 621
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1 5 10

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peptide

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1 5 10

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1 5 10

<210> 624
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peptide

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1 5 10

<210> 625
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1 5 10

<210> 626
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1 5 10

<210> 627
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1 5 10

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1 5 10

<210> 629
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1 5 10

<210> 630
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1 5 10

<210> 631
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1 5 10

<210> 632
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1 5 10

<210> 633
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<212> PRT
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peptide

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1 5 10

<210> 634
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peptide

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1 5 10

<210> 635
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1 5 10

<210> 636
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peptide

<400> 636

Gly Ser Thr Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 637
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<400> 637
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1 5 10

<210> 638
<211> 10
<212> PRT
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<220>
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<400> 638
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1 5 10

<210> 639
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<212> PRT
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<220>
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<400> 639
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1 5 10

<210> 640
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<212> PRT
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1 5 10

<210> 641
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<212> PRT
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Gly Ser Pro Ser Ser Ile Asn Ala Tyr Gly
1 5 10

<210> 642
<211> 10
<212> PRT
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1 5 10

<210> 643
<211> 10
<212> PRT
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Gly Ser Arg Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 644
<211> 10
<212> PRT
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Gly Ser Val Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 645
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<212> PRT
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<220>
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1 5 10

<210> 646
<211> 10
<212> PRT
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<220>
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1 5 10

<210> 647
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peptide

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1 5 10

<210> 648
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peptide

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Gly Ser Thr Ser Ser Ile Asn Ala Val Gly
1 5 10

<210> 649
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<212> PRT
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peptide

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1 5 10

<210> 650
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<212> PRT
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peptide

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1 5 10

<210> 651
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1 5 10

<210> 652
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1 5 10

<210> 653
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<400> 653
Gly Ser Thr Ser Ser Ile Asn Ala Met Ala
1 5 10

<210> 654
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<212> PRT
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Gly Ser Val Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 655
<211> 10
<212> PRT
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Gly Ser Thr Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 656
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<212> PRT
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<400> 656
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1 5 10

<210> 657
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<213> Artificial Sequence

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<400> 657
Gly Ser Thr Ser Ser Ile Asn Ala Met Ala
1 5 10

<210> 658
<211> 10

<212> PRT
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peptide

<400> 658
Gly Ser Thr Ser Tyr Ile Asn Ala Met Gly
1 5 10

<210> 659
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<212> PRT
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peptide

<400> 659
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1 5 10

<210> 660
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<212> PRT
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peptide

<400> 660
Gly Ser Thr Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 661
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<212> PRT
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peptide

<400> 661

Gly Ser Thr Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 662
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<400> 662
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1 5 10

<210> 663
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<400> 663
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1 5 10

<210> 664
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<400> 664
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1 5 10

<210> 665
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peptide

<400> 665
Gly Ser Thr Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 666
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peptide

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1 5 10

<210> 667
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peptide

<400> 667
Gly Ser Thr Ser Ser Ile Asn Ala Val Gly
1 5 10

<210> 668
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peptide

<400> 668
Gly Ser Thr Ser Ser Ile Asn Ala Met Gly
1 5 10

<210> 669
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<400> 669
Gly Ser Pro Ser Ser Ile Asn Ala Tyr Gly
1 5 10

<210> 670
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<400> 670
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1 5 10

<210> 671
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<400> 671
Gly Ser Ser Val Lys Phe Leu Ser Met Ala
1 5 10

<210> 672
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peptide

<400> 672
Gly Ser Ser Val Ser Phe Leu Ser Leu Ala
1 5 10

<210> 673
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peptide

<400> 673
Gly Ser Arg Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 674
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peptide

<400> 674
Gly Ser Gln Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 675
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peptide

<400> 675
Gly Ser Ser Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 676
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peptide

<400> 676
Gly Ser Lys Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 677
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peptide

<400> 677
Gly Ser Ser Val Gly Phe Leu Ser Met Ala
1 5 10

<210> 678
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peptide

<400> 678
Gly Ser Ser Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 679
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peptide

<400> 679
Gly Ser Arg Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 680
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<400> 680
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1 5 10

<210> 681
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1 5 10

<210> 682
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<400> 682
Gly Ser Ser Val Gln Phe Leu Ser Met Ala
1 5 10

<210> 683
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<212> PRT
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<220>
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peptide

<400> 683
Gly Ser Asn Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 684
<211> 10
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<220>
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peptide

<400> 684
Gly Ser Ser Val Lys Phe Leu Ser Met Ala
1 5 10

<210> 685
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peptide

<400> 685
Gly Lys Ser Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 686
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peptide

<400> 686

Gly Ser Arg Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 687
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<400> 687
Gly Ser His Val Ser Phe Leu Ser Met Ala
1 5 10

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1 5 10

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1 5 10

<210> 702
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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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peptide

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1 5 10

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peptide

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peptide

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1 5 10

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1 5 10

<210> 731
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1 5 10

<210> 732
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1 5 10

<210> 733
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<212> PRT
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peptide

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1 5 10

<210> 734
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peptide

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Lys Ser Ser Val Ser Phe Leu Ser Met Ala
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1 5 10

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Gly Ser Ser Val Lys Phe Leu Ser Met Ala
1 5 10

<210> 737
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1 5 10

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1 5 10

<210> 739
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1 5 10

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1 5 10

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peptide

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1 5 10

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peptide

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1 5 10

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peptide

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1 5 10

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1 5 10

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peptide

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1 5 10

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peptide

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1 5 10

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peptide

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1 5 10

<210> 751
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peptide

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1 5 10

<210> 752
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peptide

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1 5 10

<210> 753
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peptide

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1 5 10

<210> 754
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peptide

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1 5 10

<210> 756
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1 5 10

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1 5 10

<210> 758
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Gly Ser Lys Val Ser Phe Met Ser Met Ala
1 5 10

<210> 759
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peptide

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peptide

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Gly Ser Lys Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 762
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1 5 10

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1 5 10

<210> 764
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1 5 10

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peptide

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1 5 10

<210> 766
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peptide

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Gly Ser Lys Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 767
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peptide

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1 5 10

<210> 768
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peptide

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Gly Ser Ser Val Ser Phe Leu Ser Ile Ala
1 5 10

<210> 769
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1 5 10

<210> 770
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1 5 10

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1 5 10

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peptide

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1 5 10

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peptide

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1 5 10

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1 5 10

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1 5 10

<210> 776
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1 5 10

<210> 777
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1 5 10

<210> 778
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Gly Ser Arg Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 779
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1 5 10

<210> 780
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1 5 10

<210> 781
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1 5 10

<210> 782
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<400> 782
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1 5 10

<210> 783
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1 5 10

<210> 784
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1 5 10

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1 5 10

<210> 786
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<400> 786

Gly Ser Lys Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 787
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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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1 5 10

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peptide

<400> 797
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1 5 10

<210> 798
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peptide

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1 5 10

<210> 799
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1 5 10

<210> 800
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<220>
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1 5 10

<210> 801
<211> 10
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1 5 10

<210> 802
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<220>
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1 5 10

<210> 803
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<220>
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peptide

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Gly Arg Ser Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 804
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<220>
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1 5 10

<210> 805
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<220>
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1 5 10

<210> 806
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1 5 10

<210> 807
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1 5 10

<210> 808
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1 5 10

<210> 809
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1 5 10

<210> 810
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<220>
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1 5 10

<210> 811
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 811

Gly Thr Thr Ser Ser Ile Asn Ala Ile Gly
1 5 10

<210> 812
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

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1 5 10

<210> 813
<211> 10
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<220>
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1 5 10

<210> 814
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<220>
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1 5 10

<210> 815
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<220>
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peptide

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1 5 10

<210> 816
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<220>
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peptide

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1 5 10

<210> 817
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<212> PRT
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<220>
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peptide

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1 5 10

<210> 818
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<220>
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peptide

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1 5 10

<210> 819
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<212> PRT
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<220>
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1 5 10

<210> 820
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<212> PRT
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1 5 10

<210> 821
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<220>
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1 5 10

<210> 822
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peptide

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1 5 10

<210> 823
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peptide

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1 5 10

<210> 824
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peptide

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1 5 10

<210> 825
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<220>
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peptide

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1 5 10

<210> 826
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<220>
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1 5 10

<210> 827
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1 5 10

<210> 828
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<220>
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1 5 10

<210> 829
<211> 10
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<220>
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<400> 829
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1 5 10

<210> 830
<211> 10
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<220>
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1 5 10

<210> 831
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<212> PRT
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<400> 831
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1 5 10

<210> 832
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<400> 832
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1 5 10

<210> 833
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 833
Gly Ser Thr Ser Pro Val Asn Ala Met Ala
1 5 10

<210> 834
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<220>
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peptide

<400> 834
Gly Thr Thr Ser Ser Met Asn Ala Ile Gly
1 5 10

<210> 835
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<212> PRT
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peptide

<400> 835
Gly Glu Thr Ser Ser Ile Asn Ala Met Ala
1 5 10

<210> 836
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peptide

<400> 836

Gly Ser Thr Ser Thr Ile Asn Ala Ile Gly
1 5 10

<210> 837
<211> 10
<212> PRT
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<400> 837
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1 5 10

<210> 838
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<400> 838
Gly Ser Pro Ser Ser Ile Asn Ala Tyr Gly
1 5 10

<210> 839
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1 5 10

<210> 840
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peptide

<400> 840
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1 5 10

<210> 841
<211> 10
<212> PRT
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peptide

<400> 841
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1 5 10

<210> 842
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<212> PRT
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<220>
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peptide

<400> 842
Gly Ser Thr Gln Val Asn Asn Ala Met Ala
1 5 10

<210> 843
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 843
Gly Ser Thr Ala Ser Phe Asn Ala Met Ala
1 5 10

<210> 844
<211> 10
<212> PRT
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<220>
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<400> 844
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1 5 10

<210> 845
<211> 10
<212> PRT
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<220>
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<400> 845
Gly Ser Thr Thr Phe Ile Asn Ala Ile Gly
1 5 10

<210> 846
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 846
Gly Ser Thr Ser Ser Ile Asn Ala Ile Gly
1 5 10

<210> 847
<211> 10
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 847
Gly Glu Thr Asp Thr Ile Asn Ala Val Gly
1 5 10

<210> 848
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<212> PRT
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<220>
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peptide

<400> 848
Gly Ser Thr Ser Pro Ile Asn Ala Ile Gly
1 5 10

<210> 849
<211> 10
<212> PRT
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<220>
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peptide

<400> 849
Gly Ser Ile Thr Ser Ser Asn Ala Met Gly
1 5 10

<210> 850
<211> 10
<212> PRT
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<220>
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peptide

<400> 850
Arg Tyr Ser Val Ser Asn Leu Ser Met Ala
1 5 10

<210> 851
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 851
Met Ser Thr Val Ser Val Leu Ser Met Ala
1 5 10

<210> 852
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 852
Asp Ser Tyr Val Ser Leu Leu Ser Met Ala
1 5 10

<210> 853
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 853
Asp Ser Ala Val Ser Val Leu Ser Ile Ala
1 5 10

<210> 854
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 854
His Ser Ser Val Thr Ser Leu Ser Leu Ala
1 5 10

<210> 855
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 855
Asp Ser Val Val Lys Phe Leu Ser Met Ala
1 5 10

<210> 856
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 856
Asp Pro Ser Val Trp Asn Leu Ser Met Ala
1 5 10

<210> 857
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 857
Gly Thr Ser Val Met Leu Leu Ser Leu Ala
1 5 10

<210> 858
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 858
Ser Ser Pro Val Ser Asn Leu Ser Leu Ala
1 5 10

<210> 859
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 859
Trp Arg Ser Val Leu Leu Leu Ser Val Ala
1 5 10

<210> 860
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 860
Ser Ser Ser Val Gln Tyr Leu Ser Met Ala
1 5 10

<210> 861
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 861

Gly Thr Ser Val Ser Leu Leu Ser Leu Ala
1 5 10

<210> 862
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 862
Leu Ser Ser Val Ser Asn Leu Ser Ile Ala
1 5 10

<210> 863
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 863
Met Tyr Ser Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 864
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 864
Lys Ser Ser Val Ser His Leu Ser Leu Ala
1 5 10

<210> 865
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 865
Tyr Thr Ser Val Leu Asp Leu Ser Ile Ala
1 5 10

<210> 866
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 866
Met Ser Asp Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 867
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 867
Glu Ser Ser Val Ser Phe Leu Ser Ser Ala
1 5 10

<210> 868
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 868
Gly Asp Ser Val Ser Leu Leu Ser Met Ala
1 5 10

<210> 869
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 869
Gly Ser Asp Val Trp Tyr Leu Ser Leu Ala
1 5 10

<210> 870
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 870
Lys Ser Ala Val Ala Phe Leu Ser Ile Ala
1 5 10

<210> 871
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 871
Phe Ser Ala Val Ala Tyr Leu Ser Met Ala
1 5 10

<210> 872
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 872
Val Tyr Ser Val Tyr Asp Leu Ser Thr Ala
1 5 10

<210> 873
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 873
Gly Asp Ser Val Ser Phe Leu Ser Met Ala
1 5 10

<210> 874
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 874
Ser Ser Ser Val Ser Leu Leu Ser Leu Ala
1 5 10

<210> 875
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 875
Ala Asp Ser Val Ser Phe Leu Ser Ile Ala
1 5 10

<210> 876
<211> 10
<212> PRT
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<220>
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<400> 876
Ala Ser Ser Val Thr Leu Leu Ser Ile Ala
1 5 10

<210> 877
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 877
Ala Asp Ser Val Ser Phe Leu Ser Ile Ala
1 5 10

<210> 878
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 878
Gly Thr Ser Val Trp Leu Leu Ser Met Ala
1 5 10

<210> 879
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 879
Gly Ser Ser Val Ser Ile Leu Ser Ile Ala
1 5 10

<210> 880
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 880
Gly Thr Ala Val Ser Asn Leu Ser Ile Ala
1 5 10

<210> 881
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 881
Gly Ser Ala Val Ser Met Leu Ser Leu Ala
1 5 10

<210> 882
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 882
Gly Met Thr Val Phe Phe Leu Ser Met Ala
1 5 10

<210> 883
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 883
Gln Tyr Ser Val Thr Phe Leu Ser Val Ala
1 5 10

<210> 884
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 884
Gly Glu Thr Val Ser Phe Leu Ser Leu Ala
1 5 10

<210> 885
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 885
Val Ile Thr Ser Phe Ser Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 886
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 886

Val Ile Thr Ser Phe Ser Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 887
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 887
Ala Ile Thr Ser Phe Ser Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 888
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 888
Arg Ile Thr Ser Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 889
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 889
Ala Ile Thr Ser Phe Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Asp
1 5 10 15

<210> 890
<211> 16
<212> PRT
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<220>
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peptide

<400> 890
Ala Ile Thr Thr Phe Asp Tyr Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 891
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 891
Ala Ile Thr Ser Phe Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 892
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 892
Thr Leu Thr Ser Gly Gly Asn Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 893
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 893
Thr Leu Thr Ser Gly Gly Asn Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 894
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 894
Thr Leu Thr Ser Gly Gly Asn Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 895
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 895
Thr Leu Thr Ser Gly Gly Asn Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 896
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 896
Ser Leu Thr Ser Glu Gly Leu Thr Asn Tyr Arg Asp Ser Val Lys Gly
1 5 10 15

<210> 897
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 897
Ala Ile Thr Thr Trp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 898
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 898
Ala Ile Thr Ser Tyr Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 899
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 899
Ala Ile Thr Thr Tyr Gly Ser Thr Asn Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 900
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 900
Arg Ile Thr Thr Phe Gly Thr Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 901
<211> 17
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 901
Arg Ile Thr Ser Ser Gly Phe Ser Thr Asn Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 902
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 902
Arg Ile Thr Ser Ser Gly Phe Ser Thr Asn Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 903
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 903
Asn Met His Ser Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 904
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 904
Gly Ile Ser Val Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 905
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 905
Gly Ile Ser Val Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 906
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 906
Gly Ile Ser Val Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 907
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<220>
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peptide

<400> 907
Gly Ile Ser Val Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 908
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<400> 908
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1 5 10 15

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1 5 10 15

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Gly Ile Ser Thr Asp Gly Thr Thr Asn Tyr Val Asp Ser Val Lys Asp
1 5 10 15

<210> 911
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<220>
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<400> 911
Gly Ile Ser Thr Asp Gly Thr Thr Asn Tyr Val Asp Ser Val Lys Asp
1 5 10 15

<210> 912
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<400> 912
Gly Ile Ser Thr Asp Gly Thr Thr Asn Tyr Val Asp Ser Val Lys Asp
1 5 10 15

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<220>
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<400> 913
Gly Ile Ser Thr Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 914
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<400> 914

Gly Ile Ser Thr Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

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<400> 915
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1 5 10 15

<210> 916
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1 5 10 15

<210> 917
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<400> 917
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1 5 10 15

<210> 918
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<220>
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peptide

<400> 918
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1 5 10 15

<210> 919
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peptide

<400> 919
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1 5 10 15

<210> 920
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<220>
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peptide

<400> 920
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1 5 10 15

<210> 921
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peptide

<400> 921
Gly Ser Ser Ser Asp Gly Ser Thr His Tyr Val Asp Ser Val Arg Gly
1 5 10 15

<210> 922
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<400> 922
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1 5 10 15

<210> 923
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1 5 10 15

<210> 924
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<400> 924
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1 5 10 15

<210> 925
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peptide

<400> 925
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1 5 10 15

<210> 926
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peptide

<400> 926
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1 5 10 15

<210> 927
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peptide

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Thr Ile Thr Arg Asp Gly Thr Arg Asn Tyr Ala Asp Ser Leu Lys Gly
1 5 10 15

<210> 928
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1 5 10 15

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1 5 10 15

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<400> 930
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1 5 10 15

<210> 931
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<400> 931
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1 5 10 15

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<400> 932
Arg Ile Thr Ser Gly Gly Ile Thr Lys Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 933
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<400> 933
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1 5 10 15

<210> 934
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1 5 10 15

<210> 935
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<400> 935
Val Ile Thr Arg Gly Gly Ala Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 936
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<212> PRT
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peptide

<400> 936
Ser Ile Ala Gly Asp Gly Arg Thr Asn Tyr Ala Glu Ser Thr Glu Gly
1 5 10 15

<210> 937
<211> 16
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peptide

<400> 937
Val Ile Thr Ser Phe Ser Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 938
<211> 16
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peptide

<400> 938
Ile Ile Arg Ser Gly Gly Ser Ser Asn Tyr Ala Asp Thr Val Lys Gly
1 5 10 15

<210> 939
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peptide

<400> 939

Gly Ile Ser Val Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

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<400> 940
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1 5 10 15

<210> 941
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Thr Leu Thr Ser Gly Gly Asn Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 942
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1 5 10 15

<210> 943
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1 5 10 15

<210> 944
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1 5 10 15

<210> 945
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peptide

<400> 945
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1 5 10 15

<210> 946
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peptide

<400> 946
Ile Ile Thr Ser Gly Gly Ser Ser Asn Tyr Ala Asp Thr Val Lys Gly
1 5 10 15

<210> 947
<211> 17
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1 5 10 15

Gly

<210> 948
<211> 16
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<400> 948
Val Ile Thr Arg Gly Gly Ala Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 949
<211> 16
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<220>
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<400> 949
Arg Ile Thr Ser Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 950
<211> 16

<212> PRT
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peptide

<400> 950
Arg Ile Thr Ser Gly Gly Ile Thr Lys Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 951
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peptide

<400> 951
Thr Ile Phe Asp Gly Ser Tyr Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 952
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peptide

<400> 952
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 953
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peptide

<400> 953

Ser Ile Thr Thr Phe Gly Ser Thr Asn Tyr Ala Asp Pro Val Lys Gly
1 5 10 15

<210> 954
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<400> 954
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1 5 10 15

<210> 955
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<400> 955
Arg Ile Thr Ser Ser Gly Phe Ser Thr Asn Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 956
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<400> 956
Asn Met His Ser Gly Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 957
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<220>
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peptide

<400> 957
Gly Ile Ser Thr Asp Gly Ser Thr Asn Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 958
<211> 16
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<220>
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peptide

<400> 958
Thr Ile Thr Arg Asp Gly Thr Arg Asn Tyr Ala Asp Ser Leu Lys Gly
1 5 10 15

<210> 959
<211> 16
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<220>
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peptide

<400> 959
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 960
<211> 16
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<220>
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peptide

<400> 960
Ser Ile Ala Gly Asp Gly Arg Thr Asn Tyr Ala Glu Ser Thr Glu Gly
1 5 10 15

<210> 961
<211> 16
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<220>
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<400> 961
Gly Ile Ser Val Asp Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 962
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<220>
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<400> 962
Arg Ile Thr Thr Phe Gly Thr Thr Asn Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 963
<211> 16
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<220>
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<400> 963
Thr Ile Ser Arg Gly Gly Thr Arg Thr Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 964
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<212> PRT
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<220>
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peptide

<400> 964
Ala Ile Thr Ser Phe Gly Ser Thr Asn Tyr Ala Asp Ser Val Lys Asp
1 5 10 15

<210> 965
<211> 16
<212> PRT
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<220>
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peptide

<400> 965
Leu Ile Thr Ser Gly Gly Ser Ser Asn Tyr Ala Asp Thr Val Lys Gly
1 5 10 15

<210> 966
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<212> PRT
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<220>
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peptide

<400> 966
Ser Leu Thr Ser Glu Gly Leu Thr Asn Tyr Arg Asp Ser Val Lys Gly
1 5 10 15

<210> 967
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<220>
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peptide

<400> 967

Gly Ile Ser Ser Asp Gly Ser Thr His Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 968
<211> 16
<212> PRT
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<220>
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<400> 968
Leu Ile Gly Ser Ala Gly Ser Thr Lys Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 969
<211> 16
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<220>
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<400> 969
Gly Ser Ser Ser Asp Gly Ser Thr His Tyr Val Asp Ser Val Arg Gly
1 5 10 15

<210> 970
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1 5 10 15

<210> 971
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peptide

<400> 971
Gly Ile Ser Ser Asp Gly Ser Phe Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 972
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peptide

<400> 972
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 973
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<220>
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peptide

<400> 973
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Glu Asp Ser Val Lys Gly
1 5 10 15

<210> 974
<211> 16
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<220>
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peptide

<400> 974
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 975
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<220>
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<400> 975
Gly Ile Ser Ser Asp Gly Ser Ser Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 976
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<220>
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<400> 976
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 977
<211> 16
<212> PRT
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<220>
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<400> 977
Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 978
<211> 16
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 978
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 979
<211> 16
<212> PRT
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<220>
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peptide

<400> 979
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 980
<211> 16
<212> PRT
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<220>
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peptide

<400> 980
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 981
<211> 16
<212> PRT
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<220>
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peptide

<400> 981
Gly Ile Ser Ser Asp Gly Ser Lys Val Ile Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 982
<211> 16
<212> PRT
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<220>
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peptide

<400> 982
Gly Ile Ser Ser Asp Gly Ser Lys Ile Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 983
<211> 16
<212> PRT
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<220>
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peptide

<400> 983
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

<210> 984
<211> 16
<212> PRT
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<220>
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peptide

<400> 984
Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 985
<211> 16
<212> PRT
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peptide

<400> 985
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1   5   10   15

<210> 986
<211> 16
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<220>
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      peptide

<400> 986
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1   5   10   15

<210> 987
<211> 16
<212> PRT
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<220>
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      peptide

<400> 987
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys Gly
1   5   10   15

<210> 988
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 988
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys Gly
1   5   10   15

<210> 989
<211> 16

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 989
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 990
<211> 16
<212> PRT
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<220>
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peptide

<400> 990
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 991
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 991
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Arg Asp Ser Val Lys Gly
1 5 10 15

<210> 992
<211> 16
<212> PRT
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<220>
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peptide

<400> 992

Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 993
<211> 16
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<220>
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<400> 993
Gly Ile Ser Ser Asp Asn Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 994
<211> 16
<212> PRT
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<220>
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<400> 994
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 995
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<220>
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<400> 995
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 996
<211> 16
<212> PRT
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<220>
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peptide

<400> 996
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Glu Asp Ser Val Lys Gly
1 5 10 15

<210> 997
<211> 16
<212> PRT
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<220>
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peptide

<400> 997
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 998
<211> 16
<212> PRT
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<220>
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peptide

<400> 998
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Val Ser Val Lys Gly
1 5 10 15

<210> 999
<211> 16
<212> PRT
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<220>
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peptide

<400> 999
Gly Val Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1000
<211> 16
<212> PRT
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<400> 1000
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Glu Asp Ser Val Lys Gly
1 5 10 15

<210> 1001
<211> 16
<212> PRT
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<220>
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<400> 1001
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Gly Ser Val Lys Gly
1 5 10 15

<210> 1002
<211> 16
<212> PRT
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<220>
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<400> 1002
Gly Ile Ser Ser Asp Lys Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1003
<211> 16
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1003
Gly Ile Ser Ser Asn Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1004
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1004
Gly Ile Ser Ser Asp Gly Ser Lys Val Leu Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1005
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1005
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1006
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1006
Gly Ile Ser Ser Asp Asn Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1007
<211> 16
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1 5 10 15

<210> 1008
<211> 16
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<220>
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peptide

<400> 1008
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1 5 10 15

<210> 1009
<211> 16
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<220>
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peptide

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1 5 10 15

<210> 1010
<211> 16
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<220>
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peptide

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1 5 10 15

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<400> 1011
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1 5 10 15

<210> 1012
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1 5 10 15

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<400> 1013
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1 5 10 15

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1 5 10 15

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<400> 1015
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1 5 10 15

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<220>
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<400> 1016
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1 5 10 15

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peptide

<400> 1017

Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

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1 5 10 15

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1 5 10 15

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<400> 1020
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1 5 10 15

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peptide

<400> 1021
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1 5 10 15

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peptide

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1 5 10 15

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peptide

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1 5 10 15

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peptide

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1 5 10 15

<210> 1025
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<400> 1025
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1 5 10 15

<210> 1026
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peptide

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1 5 10 15

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peptide

<400> 1027
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1 5 10 15

<210> 1028
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peptide

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1 5 10 15

<210> 1029
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peptide

<400> 1029
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1 5 10 15

<210> 1030
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peptide

<400> 1030
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1 5 10 15

<210> 1031
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peptide

<400> 1031
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Gln Asp Ser Val Lys Gly
1 5 10 15

<210> 1032
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peptide

<400> 1032
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Glu Ser Val Lys Gly
1 5 10 15

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peptide

<400> 1033
Gly Ile Ser Ser Asp Gly Ser Lys Val Leu Ala Asp Ser Val Lys Gly
1 5 10 15

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peptide

<400> 1034
Gly Ile Ser Ser Asp Gly Ser Lys Tyr Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1035
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peptide

<400> 1035
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Val Ser Val Lys Gly
1 5 10 15

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<400> 1036
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1 5 10 15

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<400> 1037
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1 5 10 15

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<400> 1038
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1 5 10 15

<210> 1039
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peptide

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1 5 10 15

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peptide

<400> 1040
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1 5 10 15

<210> 1041
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peptide

<400> 1041
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1042
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peptide

<400> 1042

Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

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1 5 10 15

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1 5 10 15

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<400> 1045
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1 5 10 15

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peptide

<400> 1046
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1 5 10 15

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peptide

<400> 1047
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1 5 10 15

<210> 1048
<211> 16
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peptide

<400> 1048
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Gly Asp Ser Val Lys Gly
1 5 10 15

<210> 1049
<211> 16
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peptide

<400> 1049
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

<210> 1050
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<220>
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peptide

<400> 1050
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1 5 10 15

<210> 1051
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peptide

<400> 1051
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1 5 10 15

<210> 1052
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peptide

<400> 1052
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1 5 10 15

<210> 1053
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peptide

<400> 1053
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1 5 10 15

<210> 1054
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peptide

<400> 1054
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1 5 10 15

<210> 1055
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peptide

<400> 1055
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1 5 10 15

<210> 1056
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peptide

<400> 1056
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1 5 10 15

<210> 1057
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peptide

<400> 1057
Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1058
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peptide

<400> 1058
Gly Ile Ser Ser Asp Gly Thr Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1059
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peptide

<400> 1059
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1060
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<220>
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peptide

<400> 1060
Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Leu Asp Ser Val Lys Gly
1 5 10 15

<210> 1061
<211> 16
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<400> 1061
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1 5 10 15

<210> 1062
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<400> 1062
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asn Asp Ser Val Lys Gly
1 5 10 15

<210> 1063
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<400> 1063
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1064
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peptide

<400> 1064
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1065
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<220>
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peptide

<400> 1065
Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1066
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<220>
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peptide

<400> 1066
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Lys Asp Ser Val Lys Gly
1 5 10 15

<210> 1067
<211> 16
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<220>
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peptide

<400> 1067

Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1068
<211> 16
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<220>
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<400> 1068
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Gln Asp Ser Val Lys Gly
1 5 10 15

<210> 1069
<211> 16
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<220>
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<400> 1069
Gly Ile Ser Ser Asp Gly Thr Lys Ile Tyr Ala Asp Ser Ala Lys Val
1 5 10 15

<210> 1070
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<220>
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<400> 1070
Gly Ile Ser Ser Asp Arg Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1071
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<220>
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peptide

<400> 1071
Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1072
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<220>
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peptide

<400> 1072
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1073
<211> 16
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<220>
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peptide

<400> 1073
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Arg Asp Ser Val Lys Gly
1 5 10 15

<210> 1074
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<220>
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peptide

<400> 1074
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1075
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<220>
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<400> 1075
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1076
<211> 16
<212> PRT
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<220>
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<400> 1076
Gly Ile Ser Ser Asp Gly Thr Lys Val Tyr Arg Asp Ser Val Lys Gly
1 5 10 15

<210> 1077
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<220>
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<400> 1077
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asn Asp Ser Val Lys Gly
1 5 10 15

<210> 1078
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peptide

<400> 1078
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1079
<211> 16
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peptide

<400> 1079
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1080
<211> 16
<212> PRT
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peptide

<400> 1080
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

<210> 1081
<211> 16
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peptide

<400> 1081
Gly Ile Ser Pro Asp Gly Thr Lys Ala Tyr Ala Asp Ser Ala Lys Val
1 5 10 15

<210> 1082
<211> 16
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<220>
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peptide

<400> 1082
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1083
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<220>
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peptide

<400> 1083
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1084
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<220>
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peptide

<400> 1084
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Ser Ser Val Lys Gly
1 5 10 15

<210> 1085
<211> 16
<212> PRT
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<220>
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peptide

<400> 1085
Gly Ile Ser Ala Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1086
<211> 16
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<220>
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<400> 1086
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Ser Ser Ala Lys Gly
1 5 10 15

<210> 1087
<211> 16
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<220>
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<400> 1087
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1088
<211> 16
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<220>
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<400> 1088
Gly Ile Ser Ser Asp Gly Ser Ser Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1089
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<212> PRT
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<220>
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peptide

<400> 1089
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1090
<211> 16
<212> PRT
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<220>
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peptide

<400> 1090
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Gly Ser Val Lys Gly
1 5 10 15

<210> 1091
<211> 16
<212> PRT
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<220>
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peptide

<400> 1091
Gly Ile Ser Ser Asp Asn Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1092
<211> 16
<212> PRT
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<220>
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peptide

<400> 1092

Gly Ile Ser Ser Asp Gly Ser Ala Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1093
<211> 16
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<220>
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<400> 1093
Gly Ile Ser Ser Asp Gly Ser Ser Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1094
<211> 16
<212> PRT
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<220>
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<400> 1094
Gly Ile Ser Ser Asn Gly Thr Lys Val Tyr Ala Asp Ser Ala Lys Val
1 5 10 15

<210> 1095
<211> 16
<212> PRT
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<220>
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<400> 1095
Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1096
<211> 16
<212> PRT
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<220>
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peptide

<400> 1096
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Lys Asp Ser Val Lys Gly
1 5 10 15

<210> 1097
<211> 16
<212> PRT
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<220>
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peptide

<400> 1097
Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1098
<211> 16
<212> PRT
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<220>
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peptide

<400> 1098
Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1099
<211> 16
<212> PRT
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<220>
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peptide

<400> 1099
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1100
<211> 16
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<220>
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<400> 1100
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1101
<211> 16
<212> PRT
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<220>
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<400> 1101
Gly Val Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1102
<211> 16
<212> PRT
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<220>
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<400> 1102
Gly Ile Ser Arg Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1103
<211> 16
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1103
Gly Ile Ser Ser Asp Gly Ser Lys Leu Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1104
<211> 16
<212> PRT
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<220>
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peptide

<400> 1104
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1105
<211> 16
<212> PRT
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<220>
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peptide

<400> 1105
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1106
<211> 16
<212> PRT
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peptide

<400> 1106
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1107
<211> 16
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peptide

<400> 1107
Gly Ile Ser Ser Asp Thr Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1108
<211> 16
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1108
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1109
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<220>
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peptide

<400> 1109
Gly Ile Ser Ser Asp Gly Ser Thr Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1110
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1110
Gly Ile Ser Lys Asp Gly Ser Lys Val Tyr Ala Asp Ser Ala Lys Gly
1 5 10 15

<210> 1111
<211> 16
<212> PRT
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<220>
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<400> 1111
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1112
<211> 16
<212> PRT
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<220>
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<400> 1112
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1113
<211> 16
<212> PRT
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<220>
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<400> 1113
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1114
<211> 16

<212> PRT
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<220>
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peptide

<400> 1114
Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1115
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<220>
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<400> 1115
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1116
<211> 16
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<220>
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<400> 1116
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1117
<211> 16
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<220>
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peptide

<400> 1117

Gly Ile Ser Glu Ala Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1118
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<220>
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<400> 1118
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1119
<211> 16
<212> PRT
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<220>
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<400> 1119
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Arg Ser Val Lys Gly
1 5 10 15

<210> 1120
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1120
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1 5 10 15

<210> 1121
<211> 16
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<220>
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<400> 1121
Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1122
<211> 16
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<220>
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peptide

<400> 1122
Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1123
<211> 16
<212> PRT
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<220>
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peptide

<400> 1123
Gly Ile Ser Gly Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1124
<211> 16
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<220>
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peptide

<400> 1124
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asn Ser Val Lys Gly
1 5 10 15

<210> 1125
<211> 16
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<220>
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<400> 1125
Gly Ile Ser Ala Arg Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1126
<211> 16
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<220>
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<400> 1126
Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1127
<211> 16
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<220>
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<400> 1127
Gly Ile Ser Lys Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1128
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1128
Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1129
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<220>
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peptide

<400> 1129
Gly Ile Ser Ala Asn Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1130
<211> 16
<212> PRT
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<220>
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peptide

<400> 1130
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1131
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<220>
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peptide

<400> 1131
Gly Ile Ser Ala Asp Gly Ser Ala Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1132
<211> 16
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<220>
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<400> 1132
Gly Ile Ser Ala His Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1133
<211> 16
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<220>
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peptide

<400> 1133
Gly Ile Ser Ala Asp Gly Ser Thr Ile Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1134
<211> 16
<212> PRT
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<220>
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peptide

<400> 1134
Gly Ile Ser Arg Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1135
<211> 16
<212> PRT
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<220>
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peptide

<400> 1135
Gly Ile Ser Ala Asp Gly Pro Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1136
<211> 16
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<220>
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<400> 1136
Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1137
<211> 16
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<220>
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<400> 1137
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Ala Ser Val Lys Gly
1 5 10 15

<210> 1138
<211> 16
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<220>
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<400> 1138
Gly Ile Ser Leu Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1139
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<220>
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peptide

<400> 1139
Gly Ile Ser Ala Asp Gly Ser Thr Ile Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1140
<211> 16
<212> PRT
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<220>
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peptide

<400> 1140
Gly Ile Ser Ala His Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

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peptide

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Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

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peptide

<400> 1142

Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

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<211> 16
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<400> 1143
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1 5 10 15

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1 5 10 15

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<400> 1145
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1 5 10 15

<210> 1146
<211> 16
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<220>
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peptide

<400> 1146
Gly Ile Ser Ala Asn Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1147
<211> 16
<212> PRT
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<220>
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peptide

<400> 1147
Gly Ile Ser Ala Asn Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1148
<211> 16
<212> PRT
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<220>
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peptide

<400> 1148
Gly Ile Ser Ala Asp Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1149
<211> 16
<212> PRT
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<220>
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peptide

<400> 1149
Gly Ile Ser Ala Asp Gly Ser Arg Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1150
<211> 16
<212> PRT
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<220>
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peptide

<400> 1150
Gly Ile Ser Ala Asp Gly Ser Thr Met Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1151
<211> 16
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<220>
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peptide

<400> 1151
Gly Ile Ser Pro Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1152
<211> 16
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<220>
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peptide

<400> 1152
Gly Ile Ser Gly Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1153
<211> 16
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peptide

<400> 1153
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1154
<211> 16
<212> PRT
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peptide

<400> 1154
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1155
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<400> 1155
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1156
<211> 16
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<220>
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peptide

<400> 1156
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1157
<211> 16
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<220>
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peptide

<400> 1157
Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1158
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peptide

<400> 1158
Gly Ile Ser Ala Asp Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1159
<211> 16
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<220>
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peptide

<400> 1159
Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1160
<211> 16
<212> PRT
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<220>
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peptide

<400> 1160
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1161
<211> 16
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<220>
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<400> 1161
Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1162
<211> 16
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<220>
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<400> 1162
Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1163
<211> 16
<212> PRT
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<220>
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<400> 1163
Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1164
<211> 16

<212> PRT
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peptide

<400> 1164
Gly Ile Ser Ala Asp Gly Arg Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1165
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<400> 1165
Gly Ile Ser Ala Asp Gly Ser Thr Ile Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1166
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<220>
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<400> 1166
Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1167
<211> 16
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<220>
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peptide

<400> 1167

Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1168
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<400> 1168
Gly Ile Ser Lys Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1169
<211> 16
<212> PRT
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<220>
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<400> 1169
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Gly Ser Val Lys Gly
1 5 10 15

<210> 1170
<211> 16
<212> PRT
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<220>
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<400> 1170
Gly Ile Ser Val Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1171
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<220>
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peptide

<400> 1171
Gly Ile Ser Ala Asp Gly Ser Thr Gly Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1172
<211> 16
<212> PRT
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<220>
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peptide

<400> 1172
Gly Ile Ser Gly Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1173
<211> 16
<212> PRT
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<220>
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peptide

<400> 1173
Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1174
<211> 16
<212> PRT
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peptide

<400> 1174
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Phe Asp Ser Val Lys Gly
1 5 10 15

<210> 1175
<211> 16
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<400> 1175
Gly Ile Ser Ala Asp Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1176
<211> 16
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<220>
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<400> 1176
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1177
<211> 16
<212> PRT
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<220>
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<400> 1177
Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1178
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peptide

<400> 1178
Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1179
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<220>
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peptide

<400> 1179
Gly Ile Ser Gln Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1180
<211> 16
<212> PRT
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<220>
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peptide

<400> 1180
Gly Ile Ser Asn Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1181
<211> 16
<212> PRT
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peptide

<400> 1181
Gly Ile Ser Ala Arg Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1182
<211> 16
<212> PRT
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<220>
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peptide

<400> 1182
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1183
<211> 16
<212> PRT
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<220>
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peptide

<400> 1183
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1184
<211> 16
<212> PRT
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<220>
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peptide

<400> 1184
Gly Ile Ser Ala Asp Gly Ser Thr Leu Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1185
<211> 16
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peptide

<400> 1185
Gly Ile Ser Ala Asp Gly Ser Thr Asn Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1186
<211> 16
<212> PRT
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<220>
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<400> 1186
Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1187
<211> 16
<212> PRT
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<220>
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<400> 1187
Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1188
<211> 16
<212> PRT
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<220>
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<400> 1188
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Gly Ser Val Lys Gly
1 5 10 15

<210> 1189
<211> 16

<212> PRT
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<220>
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peptide

<400> 1189
Gly Ile Ser Arg Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1190
<211> 16
<212> PRT
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<220>
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peptide

<400> 1190
Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1191
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<220>
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peptide

<400> 1191
Gly Val Ser Ser Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1192
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1192

Gly Ile Ser Ala Asp Gly His Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1193
<211> 16
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1193
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Phe Asp Ser Val Lys Gly
1 5 10 15

<210> 1194
<211> 16
<212> PRT
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<220>
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<400> 1194
Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1195
<211> 16
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<400> 1195
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Ala Ser Val Lys Gly
1 5 10 15

<210> 1196
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peptide

<400> 1196
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Ser Ser Val Lys Gly
1 5 10 15

<210> 1197
<211> 16
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peptide

<400> 1197
Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1198
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<220>
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peptide

<400> 1198
Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1199
<211> 16
<212> PRT
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<220>
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peptide

<400> 1199
Gly Ile Ser Ala Asp Gly Ser Thr Thr Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1200
<211> 16
<212> PRT
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<220>
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peptide

<400> 1200
Gly Ile Ser Val Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1201
<211> 16
<212> PRT
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<220>
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peptide

<400> 1201
Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1202
<211> 16
<212> PRT
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<220>
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peptide

<400> 1202
Gly Ile Ser Ala Asp Gly Ser Thr Ala Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1203
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1203
Gly Ile Ser Ala Asp Gly Ser Lys Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1204
<211> 16
<212> PRT
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<220>
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peptide

<400> 1204
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Phe Asp Ser Val Lys Gly
1 5 10 15

<210> 1205
<211> 16
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<220>
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peptide

<400> 1205
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1206
<211> 16
<212> PRT
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<220>
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peptide

<400> 1206
Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1207
<211> 16
<212> PRT
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peptide

<400> 1207
Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

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peptide

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1 5 10 15

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1 5 10 15

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1 5 10 15

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1 5 10 15

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<210> 1236
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1 5 10 15

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<400> 1237
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<400> 1240
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1 5 10 15

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peptide

<400> 1241
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1 5 10 15

<210> 1242
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<400> 1242

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1 5 10 15

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<400> 1243
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1 5 10 15

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1 5 10 15

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<400> 1245
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1 5 10 15

<210> 1246
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peptide

<400> 1246
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1 5 10 15

<210> 1247
<211> 16
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<220>
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peptide

<400> 1247
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1 5 10 15

<210> 1248
<211> 16
<212> PRT
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<220>
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peptide

<400> 1248
Gly Ile Ser Ala Asp Gly Ser Thr Asp Tyr Arg Asp Ser Val Lys Gly
1 5 10 15

<210> 1249
<211> 16
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<220>
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peptide

<400> 1249
Gly Ile Ser Val Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1250
<211> 16
<212> PRT
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<220>
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peptide

<400> 1250
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1 5 10 15

<210> 1251
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<212> PRT
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peptide

<400> 1251
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1 5 10 15

<210> 1252
<211> 16
<212> PRT
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<220>
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peptide

<400> 1252
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1 5 10 15

<210> 1253
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peptide

<400> 1253
Gly Ile Ser Ser Asp Gly Ser Glu Val Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

<210> 1254
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peptide

<400> 1254
Gly Ile Ser Ser Asp Asp Ser Asn Val Tyr Tyr Glu Ser Val Lys Gly
1 5 10 15

<210> 1255
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<212> PRT
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<220>
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peptide

<400> 1255
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1256
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peptide

<400> 1256
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1 5 10 15

<210> 1257
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<400> 1257
Gly Ile Ser Ser Asp Asp Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1258
<211> 16
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<220>
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peptide

<400> 1258
Gly Ile Ser Ser Asp Gly Ser Gln Val Tyr Gly Ala Ser Val Lys Gly
1 5 10 15

<210> 1259
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<220>
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peptide

<400> 1259
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1 5 10 15

<210> 1260
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<400> 1260
Gly Ile Ser Ser Asp Gly Ser Asn Met Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1261
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<400> 1261
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1 5 10 15

<210> 1262
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<400> 1262
Gly Ile Ser Ser Asp Gly Ser Lys Val Ser Ala Glu Ser Val Lys Gly
1 5 10 15

<210> 1263
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<220>
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<400> 1263
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asp Asp Ser Val Lys Gly
1 5 10 15

<210> 1264
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<400> 1264
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Asp Asp Ser Val Lys Gly
1 5 10 15

<210> 1265
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<220>
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<400> 1265
Gly Ile Ser Ser Asp Gly Ser Ala Val Tyr Val Gly Ser Val Lys Gly
1 5 10 15

<210> 1266
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peptide

<400> 1266
Gly Ile Ser Ser Asp Gly Ser Tyr Val Tyr Ser Glu Ser Val Lys Gly
1 5 10 15

<210> 1267
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<220>
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peptide

<400> 1267

Gly Ile Ser Ser Asp Ser Ser His Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1268
<211> 16
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<220>
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<400> 1268
Gly Ile Ser Ser Asp Ser Ser Ile Val Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

<210> 1269
<211> 16
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<400> 1269
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1 5 10 15

<210> 1270
<211> 16
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<220>
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<400> 1270
Gly Ile Ser Ser Asp Gly Ser Lys Leu Ser Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1271
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peptide

<400> 1271
Gly Ile Ser Ser Asp Asn Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1272
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<220>
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peptide

<400> 1272
Gly Ile Ser Ser Asp Gly Ser Arg Val Tyr Phe Asp Ser Val Lys Gly
1 5 10 15

<210> 1273
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<220>
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peptide

<400> 1273
Gly Ile Ser Ser Asp Gly Ser Leu Val Tyr Ala Glu Ser Val Lys Gly
1 5 10 15

<210> 1274
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<220>
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peptide

<400> 1274
Gly Ile Ser Ser Asp Gly Ser Val Val Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1275
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<220>
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<400> 1275
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1 5 10 15

<210> 1276
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<220>
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<400> 1276
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1 5 10 15

<210> 1277
<211> 16
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<220>
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<400> 1277
Gly Ile Ser Ser Asp Tyr Ser Lys Leu Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1278
<211> 16
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peptide

<400> 1278
Gly Ile Ser Ser Asp Ser Ser Lys Val Tyr Thr Glu Ser Val Lys Gly
1 5 10 15

<210> 1279
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<220>
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peptide

<400> 1279
Gly Ile Ser Ser Asp Gly Ser Gln Val Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1280
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<212> PRT
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peptide

<400> 1280
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1281
<211> 16
<212> PRT
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<220>
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peptide

<400> 1281
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1282
<211> 16
<212> PRT
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<220>
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peptide

<400> 1282
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1283
<211> 16
<212> PRT
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<220>
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peptide

<400> 1283
Gly Ile Ser Ser Asp Gly Ser Ser Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1284
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<212> PRT
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<220>
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peptide

<400> 1284
Gly Ile Ser Ser Asp Gly Ser Gln Val Tyr Tyr Gly Ser Val Lys Gly
1 5 10 15

<210> 1285
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<212> PRT
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<220>
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peptide

<400> 1285
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

<210> 1286
<211> 16
<212> PRT
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<220>
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<400> 1286
Gly Ile Ser Ser Asp Gly Ser Lys Val Ser Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1287
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<220>
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<400> 1287
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Glu Asp Ser Val Lys Gly
1 5 10 15

<210> 1288
<211> 16
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<400> 1288
Gly Ile Ser Ser Asp Arg Ser Lys Val Tyr Ala Asp Ser Val Lys Gly
1 5 10 15

<210> 1289
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<212> PRT
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<220>
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peptide

<400> 1289
Gly Ile Ser Ser Asp Gly Ser Lys Val Tyr Ala Glu Ser Val Lys Gly
1 5 10 15

<210> 1290
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<212> PRT
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<220>
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peptide

<400> 1290
Gly Ile Ser Ser Asp Gly Ser Val Val Thr Thr Glu Ser Val Lys Gly
1 5 10 15

<210> 1291
<211> 16
<212> PRT
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<220>
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peptide

<400> 1291
Gly Ile Ser Ser Asp Gly Ser His Val His Gln Glu Ser Val Lys Gly
1 5 10 15

<210> 1292
<211> 16
<212> PRT
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<220>
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peptide

<400> 1292

Gly Ile Ser Ala Asp Gly Ser Thr Val Tyr Val Glu Ser Val Lys Gly
1 5 10 15

<210> 1293
<211> 16
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<220>
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<400> 1293
Gly Ile Ser Ser Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1294
<211> 16
<212> PRT
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<220>
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<400> 1294
Gly Ile Ser Val Asp Gly Ser Thr His Tyr Val Ala Ser Val Lys Gly
1 5 10 15

<210> 1295
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<220>
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<400> 1295
Gly Ile Ser Thr Asp Gly Ser Lys His Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1296
<211> 16
<212> PRT
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<220>
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peptide

<400> 1296
Gly Ile Ser Tyr Asp Gly Ser Lys Tyr Tyr Ala Glu Ser Val Lys Gly
1 5 10 15

<210> 1297
<211> 16
<212> PRT
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<220>
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peptide

<400> 1297
Gly Ile Ser Ala Asn Gly Ser Arg Thr Tyr Met Glu Ser Val Lys Gly
1 5 10 15

<210> 1298
<211> 16
<212> PRT
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<220>
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peptide

<400> 1298
Gly Ile Ser Pro Asp Gly Ser Thr Asp Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1299
<211> 16
<212> PRT
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<220>
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peptide

<400> 1299
Gly Ile Ser Pro Asn Gly Ser Ala Val Tyr Thr Glu Ser Val Lys Gly
1 5 10 15

<210> 1300
<211> 16
<212> PRT
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<220>
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peptide

<400> 1300
Gly Ile Ser Pro Asp Gly Ser Thr Ala Tyr Met Glu Ser Val Lys Gly
1 5 10 15

<210> 1301
<211> 16
<212> PRT
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<220>
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peptide

<400> 1301
Gly Ile Ser Asn Asp Gly Ser Thr Asp Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1302
<211> 16
<212> PRT
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<220>
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peptide

<400> 1302
Gly Ile Ser Thr Asp Gly Ser Ala Val Tyr Phe Asp Ser Val Lys Gly
1 5 10 15

<210> 1303
<211> 16
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1303
Gly Ile Ser Thr Gly Gly Ser Thr His Tyr Ile Glu Ser Val Lys Gly
1 5 10 15

<210> 1304
<211> 16
<212> PRT
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<220>
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peptide

<400> 1304
Gly Ile Ser Thr Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1305
<211> 16
<212> PRT
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<220>
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peptide

<400> 1305
Gly Ile Ser Asn Glu Gly Ser Thr Tyr Tyr Met Asp Ser Val Lys Gly
1 5 10 15

<210> 1306
<211> 16
<212> PRT
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<220>
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peptide

<400> 1306
Gly Ile Ser Ala Asp Gly Ser His Val Tyr Thr Asn Ser Val Lys Gly
1 5 10 15

<210> 1307
<211> 16
<212> PRT
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<220>
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peptide

<400> 1307
Gly Ile Ser Asp Asp Gly Ser Arg Tyr Tyr Thr Asp Ser Val Lys Gly
1 5 10 15

<210> 1308
<211> 16
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<220>
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peptide

<400> 1308
Gly Ile Ser Ala Glu Gly Ser Thr Leu Tyr Met Glu Ser Val Lys Gly
1 5 10 15

<210> 1309
<211> 16
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<220>
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<400> 1309
Gly Ile Ser Thr Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1310
<211> 16
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<220>
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peptide

<400> 1310
Gly Ile Ser Ala Asn Gly Ser Thr Ser Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1311
<211> 16
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<220>
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<400> 1311
Gly Ile Ser Asp Asp Gly Ser Arg His Tyr Ile Glu Ser Val Lys Gly
1 5 10 15

<210> 1312
<211> 16
<212> PRT
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<220>
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<400> 1312
Gly Ile Ser Pro Asp Gly Ser Thr Val Tyr Ile Glu Ser Val Lys Gly
1 5 10 15

<210> 1313
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<220>
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<400> 1313
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1 5 10 15

<210> 1314
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<212> PRT
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<220>
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peptide

<400> 1314
Gly Ile Ser Asp Asp Gly Ser Thr Val Tyr Phe Asp Ser Val Lys Gly
1 5 10 15

<210> 1315
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peptide

<400> 1315
Gly Ile Ser Asp Glu Gly Ser Thr Val Tyr Ile Gly Ser Val Lys Gly
1 5 10 15

<210> 1316
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<220>
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peptide

<400> 1316
Gly Ile Ser Asp Asp Gly Ser Ile Val Tyr Met Asp Ser Val Lys Gly
1 5 10 15

<210> 1317
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<220>
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peptide

<400> 1317

Gly Ile Ser Asp Asp Gly Ser Lys His Tyr Phe Asp Ser Val Lys Gly
1 5 10 15

<210> 1318
<211> 16
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<220>
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<400> 1318
Gly Ile Ser Thr Asp Gly Ser Thr Asp Tyr Leu His Ser Val Lys Gly
1 5 10 15

<210> 1319
<211> 16
<212> PRT
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<220>
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<400> 1319
Gly Ile Ser Asp Asp Gly Ser Lys His Tyr Phe Asp Ser Val Lys Gly
1 5 10 15

<210> 1320
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<400> 1320
Gly Ile Ser Tyr Asp Gly Ser Thr Val Tyr Val Glu Ser Val Lys Gly
1 5 10 15

<210> 1321
<211> 16
<212> PRT
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<220>
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peptide

<400> 1321
Gly Ile Ser Asp Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1322
<211> 16
<212> PRT
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<220>
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peptide

<400> 1322
Gly Ile Ser Asp Asp Gly Ser Thr Val Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 1323
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<212> PRT
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<220>
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peptide

<400> 1323
Gly Ile Ser Asp Asp Gly Ser Gln Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1324
<211> 16
<212> PRT
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<220>
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peptide

<400> 1324
Gly Ile Ser Val Asp Gly Ser Thr Val Tyr Ser Asp Ser Val Lys Gly
1 5 10 15

<210> 1325
<211> 16
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<220>
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<400> 1325
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1 5 10 15

<210> 1326
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<220>
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<400> 1326
Gly Ile Ser Thr Asp Gly Ser Thr Val Tyr Phe Val Ser Val Lys Gly
1 5 10 15

<210> 1327
<211> 7
<212> PRT
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<220>
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1 5

<210> 1328
<211> 7
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
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<400> 1328
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1 5

<210> 1329
<211> 7
<212> PRT
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<400> 1329
Arg Tyr Phe Glu Arg Thr Asp
1 5

<210> 1330
<211> 7
<212> PRT
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<220>
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<400> 1330
Tyr Gln Gly Leu Tyr Ala Tyr
1 5

<210> 1331
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<220>
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peptide

<400> 1331
Arg Val Phe Asp His Val Tyr
1 5

<210> 1332
<211> 7
<212> PRT
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peptide

<400> 1332
Arg Ala Phe Gly Arg Asp Tyr
1 5

<210> 1333
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<220>
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peptide

<400> 1333
Arg Thr Met Gly Arg Asp Tyr
1 5

<210> 1334
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<220>
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peptide

<400> 1334
Trp Asp Gly Val Gly Gly Ala Tyr
1 5

<210> 1335
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<212> PRT
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peptide

<400> 1335
Trp Asp Gly Val Gly Gly Ala Tyr
1 5

<210> 1336
<211> 8
<212> PRT
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<400> 1336
Trp Asn Gly Val Gly Gly Ala Tyr
1 5

<210> 1337
<211> 8
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<220>
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<400> 1337
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1 5

<210> 1338
<211> 8
<212> PRT
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<220>
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<400> 1338
Trp Asp Gly Val Gly Gly Ala Tyr
1 5

<210> 1339
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<212> PRT
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<220>
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<400> 1339
Arg Ser Trp Asn Asn Tyr
1 5

<210> 1340
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<212> PRT
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<220>
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<400> 1340
Arg Ser Trp Asn Asn Tyr
1 5

<210> 1341
<211> 6
<212> PRT
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<220>
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peptide

<400> 1341
Arg Ser Trp Asn Asn Tyr
1 5

<210> 1342
<211> 9
<212> PRT
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<220>
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peptide

<400> 1342

Glu Ser Phe Gly Arg Ile Trp Tyr Asn
1 5

<210> 1343
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1343
Gln His Phe Gly Thr Asp Ser
1 5

<210> 1344
<211> 7
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1344
Gln Gln Phe Gly Thr Asp Ser
1 5

<210> 1345
<211> 9
<212> PRT
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<220>
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<400> 1345
Tyr Gly Ile Gln Arg Ala Glu Gly Tyr
1 5

<210> 1346
<211> 9
<212> PRT
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<220>
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peptide

<400> 1346
Tyr Arg Trp Val Gly Arg Asp Thr Tyr
1 5

<210> 1347
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<220>
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peptide

<400> 1347
Tyr Arg Trp Val Gly Arg Asp Thr Tyr
1 5

<210> 1348
<211> 9
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<220>
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<400> 1348
Tyr Arg Trp Val Gly Arg Asp Thr Tyr
1 5

<210> 1349
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<220>
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1 5

<210> 1350
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<400> 1351
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1 5

<210> 1352
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1 5

<210> 1353
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1353
Tyr Arg Trp Val Gly Arg Asp Thr Tyr
1 5

<210> 1354
<211> 9
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<400> 1354
Tyr Arg Trp Val Gly Arg Asp Thr Tyr
1 5

<210> 1355
<211> 9
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peptide

<400> 1355
Tyr Arg Trp Val Asp Arg Tyr Thr Tyr
1 5

<210> 1356
<211> 9
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<220>
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<400> 1356
Tyr Arg Trp Ile Asp Arg Tyr Thr Tyr
1 5

<210> 1357
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<400> 1357
Tyr Arg Trp Val Asp Arg Tyr Thr Tyr
1 5

<210> 1358
<211> 9
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<400> 1358
Tyr Arg Trp Val Gly Arg Asp Thr Tyr
1 5

<210> 1359
<211> 9
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peptide

<400> 1359
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1360
<211> 9
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<220>
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Tyr Arg Trp Val Gly Gly Tyr Thr Tyr
1 5

<210> 1361
<211> 11
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<220>
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<400> 1361
Phe Arg Thr Val Ala Ala Ser Ser Met Gln Tyr
1 5 10

<210> 1362
<211> 11
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<400> 1362
Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1363
<211> 10
<212> PRT
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<220>
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<400> 1363
Asn Arg Gly Phe Ala Gly Ala Pro Ser Tyr
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<210> 1364
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<212> PRT
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<220>
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<400> 1364
Tyr Phe Gln Ser Ser Tyr
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<210> 1365
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<400> 1365
Tyr Phe Gln Ser Ser Tyr
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<210> 1366
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<400> 1366
Tyr Phe Gln Ser Ser Tyr
1 5

<210> 1367
<211> 11
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peptide

<400> 1367

His Trp Thr Gln Gly Ser Val Pro Lys Glu Ser
1 5 10

<210> 1368
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<212> PRT
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<220>
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<400> 1368
Arg Ser Tyr Ser Ser Asp Tyr
1 5

<210> 1369
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1369
Arg Tyr Gly Asp Ile Asn Tyr
1 5

<210> 1370
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<212> PRT
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<220>
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<400> 1370
Arg Tyr Gly Asp Ile Asn Tyr
1 5

<210> 1371
<211> 6
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peptide

<400> 1371
Tyr Asp Ser Arg Ser Tyr
1 5

<210> 1372
<211> 7
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<220>
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<400> 1372
Tyr Asp Asn Ile Asn Ala Tyr
1 5

<210> 1373
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<220>
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<400> 1373
Tyr Asp Asn Ile Asn Ala Tyr
1 5

<210> 1374
<211> 7
<212> PRT
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<220>
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<400> 1374
Tyr Asp Asn Ile Asn Ala Tyr
1 5

<210> 1375
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<400> 1375
Tyr Asp Asn Ile Asn Ala Tyr
1 5

<210> 1376
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<400> 1376
Trp Ile Ala Gly Lys Ala Tyr
1 5

<210> 1377
<211> 7
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<220>
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<400> 1377
Arg Ser Gln Leu Gly Ser Thr
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<210> 1378
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<212> PRT
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<400> 1378
Tyr Tyr Leu Asp Thr Tyr Ala Tyr
1 5

<210> 1379
<211> 7
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peptide

<400> 1379
Arg Tyr Phe Glu Arg Thr Asp
1 5

<210> 1380
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<400> 1380
Tyr Phe Gln Ser Ser Tyr
1 5

<210> 1381
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<220>
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peptide

<400> 1381
Tyr Arg Trp Val Gly Arg Asp Thr Tyr
1 5

<210> 1382
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peptide

<400> 1382
Trp Ile Ala Gly Lys Ala Tyr
1 5

<210> 1383
<211> 8
<212> PRT
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<220>
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<400> 1383
Trp Asn Gly Val Gly Gly Ala Tyr
1 5

<210> 1384
<211> 8
<212> PRT
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<400> 1384
Trp Asp Gly Val Gly Gly Ala Tyr
1 5

<210> 1385
<211> 7
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<400> 1385
Arg Ala Phe Gly Arg Asp Tyr
1 5

<210> 1386
<211> 11
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<220>
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<400> 1386
Phe Arg Thr Val Ala Ala Ser Ser Met Gln Tyr
1 5 10

<210> 1387
<211> 6
<212> PRT
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<220>
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<400> 1387
Arg Ser Trp Asn Asn Tyr
1 5

<210> 1388
<211> 6
<212> PRT
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<220>
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<400> 1388
Tyr Phe Gln Ser Ser Tyr
1 5

<210> 1389
<211> 7

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1389
Gln His Phe Gly Thr Asp Ser
1 5

<210> 1390
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 1390
Arg Ser Gln Leu Gly Ser Thr
1 5

<210> 1391
<211> 7
<212> PRT
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<220>
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peptide

<400> 1391
Tyr Gln Gly Leu Tyr Ala Tyr
1 5

<210> 1392
<211> 7
<212> PRT
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<220>
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peptide

<400> 1392

Tyr Asp Asn Ile Asn Ala Tyr
1 5

<210> 1393
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1393
His Trp Thr Gln Gly Ser Val Pro Lys Glu Ser
1 5 10

<210> 1394
<211> 11
<212> PRT
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<220>
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<400> 1394
Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1395
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1395
Arg Ser Tyr Ser Ser Asp Tyr
1 5

<210> 1396
<211> 6
<212> PRT
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<220>
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peptide

<400> 1396
Arg Ser Trp Asn Asn Tyr
1 5

<210> 1397
<211> 7
<212> PRT
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peptide

<400> 1397
Gln Gln Phe Gly Thr Asp Ser
1 5

<210> 1398
<211> 9
<212> PRT
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peptide

<400> 1398
Tyr Gly Ile Gln Arg Ala Glu Gly Tyr
1 5

<210> 1399
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peptide

<400> 1399
Tyr Arg Trp Val Gly Arg Tyr Thr Tyr
1 5

<210> 1400
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<212> PRT
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<220>
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<400> 1400
Arg Tyr Gly Asp Ile Asn Tyr
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<210> 1401
<211> 9
<212> PRT
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<220>
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<400> 1401
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1402
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1402
Tyr Tyr Leu Asp Thr Tyr Ala Tyr
1 5

<210> 1403
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<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1403
Tyr Arg Trp Glu Gly Arg Asn Thr Tyr
1 5

<210> 1404
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1404
Glu Ser Phe Gly Arg Ile Trp Tyr Asn
1 5

<210> 1405
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1405
Arg Tyr Gly Asp Ile Asn Tyr
1 5

<210> 1406
<211> 7
<212> PRT
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<220>
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peptide

<400> 1406
Arg Val Phe Asp His Val Tyr
1 5

<210> 1407
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<212> PRT
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<220>
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<400> 1407
Tyr Phe Gln Ser Ser Tyr
1 5

<210> 1408
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<400> 1408
Trp Asp Gly Val Gly Gly Ala Tyr
1 5

<210> 1409
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<400> 1409
Tyr Arg Trp Val Gly Gly Tyr Thr Tyr
1 5

<210> 1410
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<220>
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<400> 1410
Tyr Asp Ser Arg Ser Tyr
1 5

<210> 1411
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<220>
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<400> 1411
Asn Arg Gly Phe Ala Gly Ala Pro Ser Tyr
1 5 10

<210> 1412
<211> 7
<212> PRT
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<220>
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<400> 1412
Arg Thr Met Gly Arg Asp Tyr
1 5

<210> 1413
<211> 11
<212> PRT
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<220>
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<400> 1413
Phe Arg His Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1414
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<212> PRT
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<220>
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<400> 1414
Phe Arg Thr Val Ser Gly Ser Ser Ser Arg Tyr
1 5 10

<210> 1415
<211> 11
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<220>
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<400> 1415
Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1416
<211> 11
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<220>
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<400> 1416
Phe Arg Thr Val Arg Gly Ser Ser Met Ser Tyr
1 5 10

<210> 1417
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<220>
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<400> 1417

Phe Arg Thr Val Ser Gly Ser Ser Lys Arg Tyr
1 5 10

<210> 1418
<211> 11
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<220>
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<400> 1418
Phe Arg Met Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1419
<211> 11
<212> PRT
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<400> 1419
Phe Arg Thr Val Gln Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1420
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<220>
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<400> 1420
Phe Arg Thr Val Tyr Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1421
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1 5 10

<210> 1423
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Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr
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1 5 10

<210> 1427
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<210> 1429
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peptide

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peptide

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Phe Arg Thr Val Ser Gly Ser Ser Met Arg Ser
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peptide

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1 5 10

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peptide

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1 5 10

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1 5 10

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Phe Arg Ile Val Ser Gly Ser Ser Met Gly Tyr
1 5 10

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peptide

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1 5 10

<210> 1448
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peptide

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1 5 10

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peptide

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1 5 10

<210> 1450
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1 5 10

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<400> 1451
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1 5 10

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1 5 10

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peptide

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1 5 10

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1 5 10

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peptide

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1 5 10

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peptide

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1 5 10

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1 5 10

<210> 1458
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<400> 1458
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1 5 10

<210> 1459
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1 5 10

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1 5 10

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1 5 10

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1 5 10

<210> 1464
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<400> 1464
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1 5 10

<210> 1465
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1 5 10

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<400> 1466
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1 5 10

<210> 1467
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<400> 1467

Phe Arg Thr Val Leu Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1468
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<400> 1468
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1 5 10

<210> 1469
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<400> 1469
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1 5 10

<210> 1470
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<400> 1470
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1 5 10

<210> 1471
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<400> 1471
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1 5 10

<210> 1472
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peptide

<400> 1472
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1 5 10

<210> 1473
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peptide

<400> 1473
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1 5 10

<210> 1474
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<400> 1474
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1 5 10

<210> 1475
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<400> 1475
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1 5 10

<210> 1476
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1 5 10

<210> 1477
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<400> 1477
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<210> 1478
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<223> Description of Artificial Sequence: Synthetic
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Phe Arg Thr Tyr Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1479
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peptide

<400> 1479
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1 5 10

<210> 1480
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peptide

<400> 1480
Phe Lys Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1481
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peptide

<400> 1481
Phe Arg Thr Arg Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1482
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<400> 1482
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1 5 10

<210> 1483
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<220>
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<400> 1483
Phe Arg Phe Leu Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1484
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<212> PRT
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<220>
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<400> 1484
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1 5 10

<210> 1485
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<400> 1485
Phe Arg Leu Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1486
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<220>
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<400> 1486
Phe Arg Thr Val Ser Gly Ser Ser Met Arg Phe
1 5 10

<210> 1487
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<400> 1487
Phe Arg Thr Gln Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1488
<211> 11
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<220>
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<400> 1488
Phe Arg Thr Val Ser Gly Ser Ser Met Pro Tyr
1 5 10

<210> 1489
<211> 11

<212> PRT
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<220>
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peptide

<400> 1489
Phe Arg Thr Leu Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1490
<211> 11
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peptide

<400> 1490
Phe Arg Thr Val Ser Gly Ser Ala Met Arg Tyr
1 5 10

<210> 1491
<211> 11
<212> PRT
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<220>
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peptide

<400> 1491
Phe Arg Thr Thr Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1492
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<212> PRT
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peptide

<400> 1492

Phe Arg Thr Val Ser Gly Thr Ser Met Arg Tyr
1 5 10

<210> 1493
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<400> 1493
Phe Arg Thr Arg Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1494
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<400> 1494
Phe Arg Thr Ser Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1495
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<220>
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<400> 1495
Phe Arg Thr Val Ser Gly Ser Ser Met Ser Tyr
1 5 10

<210> 1496
<211> 11
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<400> 1496
Phe Arg Pro Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1497
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<400> 1497
Phe Arg His Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1498
<211> 11
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<220>
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<400> 1498
Phe Arg Thr Lys Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1499
<211> 11
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<220>
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<400> 1499
Phe Thr Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1500
<211> 11
<212> PRT
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<220>
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<400> 1500
Phe His Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1501
<211> 11
<212> PRT
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<220>
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<400> 1501
Phe Arg Thr Val Arg Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1502
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<220>
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<400> 1502
Phe Arg Thr Val Leu Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1503
<211> 11
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1503
Phe Arg Thr Val Ser Gly Ser Ser Met Arg Ser
1 5 10

<210> 1504
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<212> PRT
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<220>
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peptide

<400> 1504
Phe Arg Thr Val Arg Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1505
<211> 11
<212> PRT
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<220>
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peptide

<400> 1505
Phe Arg Tyr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1506
<211> 11
<212> PRT
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peptide

<400> 1506
Phe Arg Thr Val Tyr Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1507
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<400> 1507
Phe Arg Thr Val Leu Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1508
<211> 11
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<400> 1508
Tyr Arg Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1509
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<220>
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<400> 1509
Phe Arg Ser Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1510
<211> 11
<212> PRT
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<220>
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<400> 1510
Phe Arg Arg Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1511
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1511
Phe Arg Thr Val Ser Gly Thr Ser Met Arg Tyr
1 5 10

<210> 1512
<211> 11
<212> PRT
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<220>
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<400> 1512
Phe Arg Thr Val Ala Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1513
<211> 11
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<220>
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<400> 1513
Phe Arg Ile Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1514
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<212> PRT
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<220>
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peptide

<400> 1514
Phe Arg Thr Val Ser Gly Val Ser Met Arg Tyr
1 5 10

<210> 1515
<211> 11
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<220>
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peptide

<400> 1515
Phe Arg Thr Val Gln Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1516
<211> 11
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<220>
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peptide

<400> 1516
Phe Arg Thr Ala Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1517
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peptide

<400> 1517

Phe Arg Thr Val Ser Gly Ser Ser Ser Arg Tyr
1 5 10

<210> 1518
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<400> 1518
Phe Arg Thr Val Gln Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1519
<211> 11
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<400> 1519
Phe Arg Thr Val Arg Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1520
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<400> 1520
Phe Arg Thr Lys Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1521
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peptide

<400> 1521
Phe Arg Thr Val Trp Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1522
<211> 11
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<220>
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peptide

<400> 1522
Phe Arg Thr Arg Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1523
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peptide

<400> 1523
Phe His Thr Val Cys Gly Thr Ser Met Gly Tyr
1 5 10

<210> 1524
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peptide

<400> 1524
Phe Arg Thr Val Ser Gly Ser Ser Gln Arg Tyr
1 5 10

<210> 1525
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<400> 1525
Phe Arg Thr Val Ser Gly Ser Ser Met Ser Tyr
1 5 10

<210> 1526
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<400> 1526
Phe Arg Thr Val Arg Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1527
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<400> 1527
Phe Arg Thr Gln Ser Gly Ser Ser Met Arg Tyr
1 5 10

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peptide

<400> 1528
Phe Arg Thr Leu Ser Gly Ser Ser Met Arg Tyr
1 5 10

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peptide

<400> 1529
Phe His Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1530
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peptide

<400> 1530
Phe Arg Arg Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1531
<211> 11
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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1531
Phe Arg Leu Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1532
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<220>
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<400> 1532
Phe Arg Thr Val Ser Gly Ser Tyr Met Arg Tyr
1 5 10

<210> 1533
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<220>
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<400> 1533
Phe Arg Thr Val Gly Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1534
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<220>
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<400> 1534
Phe Arg Thr His Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1535
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<220>
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<400> 1535
Phe Arg Thr Val Ser Thr Ser Ser Met Arg Tyr
1 5 10

<210> 1536
<211> 11
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<220>
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<400> 1536
Phe Arg Thr Val Leu Gly Thr Ser Met Arg Tyr
1 5 10

<210> 1537
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<220>
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<400> 1537
Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1538
<211> 11
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1538
Phe Arg Thr Val Ser Gly Ser Ser Met Gly Tyr
1 5 10

<210> 1539
<211> 11

<212> PRT
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<220>
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<400> 1539
Phe Arg Thr Val Ser Gly Ser Ser Met Arg Ala
1 5 10

<210> 1540
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1540
Phe Arg Ile Leu Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1541
<211> 11
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<220>
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<400> 1541
Phe Arg Thr Val Gln Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1542
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<220>
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<400> 1542

Phe Arg Thr Val Ser Gly Gln Ser Met Gly Tyr
1 5 10

<210> 1543
<211> 11
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<220>
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<400> 1543
Phe Arg Thr Val Ser Gly Ser Ser Ala Arg Tyr
1 5 10

<210> 1544
<211> 11
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<220>
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<400> 1544
Phe Arg Tyr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1545
<211> 11
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<220>
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<400> 1545
Phe Arg Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1546
<211> 11
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1546
Phe Arg Arg Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1547
<211> 11
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1547
Phe His Thr Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1548
<211> 11
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1548
Phe Arg Gln Val Ser Gly Ser Ser Met Arg Tyr
1 5 10

<210> 1549
<211> 11
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1549
Phe Arg Thr Val Ser Gly Ser Tyr Met Arg Tyr
1 5 10

<210> 1550
<211> 11
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<220>
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<400> 1550
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1 5 10

<210> 1551
<211> 11
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<220>
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<400> 1551
Phe Arg Thr Val Ser Gly His Ser Met Arg Tyr
1 5 10

<210> 1552
<211> 11
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<220>
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<400> 1552
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1 5 10

<210> 1553
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1553
Phe Arg Thr Val Ser Gly Ser Ser Tyr Ser Tyr
1 5 10

<210> 1554
<211> 11
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<220>
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peptide

<400> 1554
Phe Arg Thr Val Ser Gly Ser Ser Gln Ser Tyr
1 5 10

<210> 1555
<211> 9
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<220>
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peptide

<400> 1555
Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1556
<211> 9
<212> PRT
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<220>
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peptide

<400> 1556
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1557
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1557
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1558
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1558
Tyr Arg Trp Thr Thr Arg Tyr Ile Tyr
1 5

<210> 1559
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1559
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1560
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1560
Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1561
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1561
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1562
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1562
Tyr Arg Trp Thr Thr Arg Tyr Ile Tyr
1 5

<210> 1563
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1563
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1564
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1564
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1565
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1565
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1566
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1566
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1567
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1567

Tyr His Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1568
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1568
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1569
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1569
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1570
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1570
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1571
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1571
Tyr Arg Trp Thr Thr Arg Tyr Ala Tyr
1 5

<210> 1572
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1572
Tyr Arg Trp Val Thr Arg Tyr Thr Tyr
1 5

<210> 1573
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1573
Tyr Arg Trp Val Thr Arg Tyr Thr Tyr
1 5

<210> 1574
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1574
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1575
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1575
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1576
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1576
Tyr Arg Trp Thr Thr Arg Gly Thr Tyr
1 5

<210> 1577
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1577
Tyr Arg Trp Asp Thr Arg Tyr Thr Tyr
1 5

<210> 1578
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1578
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1579
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1579
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1580
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1580
Tyr Arg Trp Thr Gly Arg Tyr Thr Tyr
1 5

<210> 1581
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1581
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1582
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1582
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1583
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1583
Tyr Arg Trp Ile Thr Arg Tyr Thr Tyr
1 5

<210> 1584
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1584
Tyr Arg Trp Ile Thr Arg Tyr Thr Tyr
1 5

<210> 1585
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1585
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1586
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1586
Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1587
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1587
Tyr Ser Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1588
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1588
Tyr Arg Trp Thr Asn Arg Tyr Thr Tyr
1 5

<210> 1589
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1589
Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr
1 5

<210> 1590
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1590
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1591
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1591
Tyr Arg Trp Thr Thr Arg Tyr Lys Tyr
1 5

<210> 1592
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1592

Tyr Arg Trp His Thr Arg Tyr Thr Tyr
1 5

<210> 1593
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1593
Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1594
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1594
Tyr Arg Trp Met Thr Arg Tyr Thr Tyr
1 5

<210> 1595
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1595
Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr
1 5

<210> 1596
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1596
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1597
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1597
Tyr Arg Trp Thr Thr Arg Tyr Thr Phe
1 5

<210> 1598
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1598
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1599
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1599
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1600
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1600
Tyr Arg Trp Ala Thr Arg Tyr Thr Tyr
1 5

<210> 1601
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1601
Tyr Arg Trp His Thr Arg Tyr Thr Tyr
1 5

<210> 1602
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1602
Tyr Arg Trp Gly Thr Arg Tyr Thr Tyr
1 5

<210> 1603
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1603
Tyr Arg Trp Thr Thr Arg Asn Thr Tyr
1 5

<210> 1604
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1604
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1605
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1605
Tyr Arg Trp Thr Thr Arg Tyr Ala Tyr
1 5

<210> 1606
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1606
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1607
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1607
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1608
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1608
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1609
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1609
Tyr Arg Trp Thr Ser Arg Tyr Thr Tyr
1 5

<210> 1610
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1610
Tyr Arg Trp Thr Thr Arg Val Thr Tyr
1 5

<210> 1611
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1611
Tyr Arg Trp Thr Thr Arg Thr Thr Tyr
1 5

<210> 1612
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1612
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1613
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1613
Tyr Arg Trp Ala Thr Arg Tyr Thr Tyr
1 5

<210> 1614
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1614
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1615
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1615
Leu Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1616
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1616
Tyr Arg Trp Thr Thr Arg Gly Thr Tyr
1 5

<210> 1617
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1617

Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1618
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1618
Tyr Arg Trp Thr Thr Arg Ala Thr Tyr
1 5

<210> 1619
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1619
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1620
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1620
Tyr Arg Trp Pro Thr Arg Tyr Thr Tyr
1 5

<210> 1621
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1621
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1622
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1622
Tyr Arg Trp Lys Thr Arg Tyr Thr Tyr
1 5

<210> 1623
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1623
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1624
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1624
Tyr Arg Trp Lys Thr Arg Arg Thr Tyr
1 5

<210> 1625
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1625
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1626
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1626
Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr
1 5

<210> 1627
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1627
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1628
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1628
Tyr Arg Trp Thr Thr Arg Tyr Lys Tyr
1 5

<210> 1629
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1629
Tyr Arg Trp Lys Thr Arg Tyr Thr Tyr
1 5

<210> 1630
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1630
Tyr Arg Trp Thr Thr Arg Val Thr Tyr
1 5

<210> 1631
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1631
Tyr Arg Trp Thr Thr Arg Phe Thr Tyr
1 5

<210> 1632
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1632
Tyr Arg Trp Thr Thr Arg Phe Thr Tyr
1 5

<210> 1633
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1633
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1634
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1634
Tyr Arg Trp Thr Thr Arg Tyr Thr His
1 5

<210> 1635
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1635
Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1636
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1636
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1637
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1637
Tyr Arg Trp Thr Thr Arg Ser Thr Tyr
1 5

<210> 1638
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1638
Tyr Ser Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1639
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1639
Tyr Arg Trp Thr Thr Arg Gly Thr Tyr
1 5

<210> 1640
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1640
Tyr Arg Trp Lys Thr Arg Tyr Thr Tyr
1 5

<210> 1641
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1641
Tyr Arg Trp Thr Thr Arg Phe Thr Tyr
1 5

<210> 1642
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1642

Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1643
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1643
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1644
<211> 9
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<220>
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<400> 1644
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1645
<211> 9
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<220>
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<400> 1645
Tyr Arg Trp Thr Thr Arg Leu Thr Tyr
1 5

<210> 1646
<211> 9
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<220>
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<400> 1646
Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1647
<211> 9
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<220>
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<400> 1647
Tyr Arg Trp Thr Thr Arg Leu Thr Tyr
1 5

<210> 1648
<211> 9
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<220>
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peptide

<400> 1648
Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1649
<211> 9
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<220>
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peptide

<400> 1649
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1650
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<220>
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<400> 1650
Tyr Gln Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1651
<211> 9
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<220>
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Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1652
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<220>
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<400> 1652
Tyr Arg Trp Thr Thr Arg Met Thr Tyr
1 5

<210> 1653
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

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Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1654
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<220>
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peptide

<400> 1654
Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr
1 5

<210> 1655
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<220>
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peptide

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Tyr Arg Trp Leu Thr Arg Tyr Thr Tyr
1 5

<210> 1656
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<220>
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peptide

<400> 1656
Tyr Glu Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1657
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1657
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1658
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1658
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1659
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1659
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1660
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1660
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1661
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1661
Tyr Arg Trp Thr Thr Arg Leu Thr Tyr
1 5

<210> 1662
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1662
Tyr Arg Trp Thr Thr Arg Leu Thr Tyr
1 5

<210> 1663
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1663
Tyr Lys Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1664
<211> 9

<212> PRT
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<220>
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peptide

<400> 1664
Tyr Arg Trp Thr Thr Arg Ser Thr Tyr
1 5

<210> 1665
<211> 9
<212> PRT
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<220>
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peptide

<400> 1665
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1666
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1666
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1667
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1667

Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1668
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1668
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1 5

<210> 1669
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1669
Tyr Arg Trp Leu Thr Arg Tyr Thr Tyr
1 5

<210> 1670
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1670
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1671
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1671
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1672
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1672
Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr
1 5

<210> 1673
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1673
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1674
<211> 9
<212> PRT
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<220>
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peptide

<400> 1674
Tyr Arg Trp Pro Thr Arg Tyr Thr Tyr
1 5

<210> 1675
<211> 9
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<220>
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<400> 1675
Tyr Arg Trp Thr Thr Arg His Thr Tyr
1 5

<210> 1676
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1676
Tyr Arg Trp Thr Arg Arg Tyr Thr Tyr
1 5

<210> 1677
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1677
Tyr Arg Trp His Thr Arg Tyr Thr Tyr
1 5

<210> 1678
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1678
Tyr Arg Trp Thr Asn Arg Tyr Thr Tyr
1 5

<210> 1679
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1679
Tyr Arg Trp Thr Thr Arg Tyr Arg Tyr
1 5

<210> 1680
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1680
Tyr Arg Trp Thr Thr Arg Arg Thr Tyr
1 5

<210> 1681
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1681
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1682
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1682
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1683
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1683
Tyr Arg Trp Arg Thr Arg Tyr Thr Tyr
1 5

<210> 1684
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1684
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1685
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1685
Tyr Glu Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1686
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1686
Tyr Arg Trp Thr Thr Arg Ser Thr Tyr
1 5

<210> 1687
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1687
Tyr Arg Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1688
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1688
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1689
<211> 9

<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1689
Tyr Arg Trp Ser Thr Arg Tyr Thr Tyr
1 5

<210> 1690
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1690
Tyr Arg Trp Thr Tyr Arg Tyr Thr Tyr
1 5

<210> 1691
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1691
Tyr Arg Trp Thr Thr Arg Leu Thr Tyr
1 5

<210> 1692
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1692

Tyr Glu Trp Thr Thr Arg Tyr Thr Tyr
1 5

<210> 1693
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1693
Tyr Arg Trp Thr Thr Arg Leu Thr Tyr
1 5

<210> 1694
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1694
Phe Arg Pro Ala Ala Gly Ser Pro Met Arg Tyr
1 5 10

<210> 1695
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1695
Phe Arg Thr Val Asp Gly Ser Pro Leu Arg Tyr
1 5 10

<210> 1696
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1696
Phe Arg Thr Val Ser Gly Ser Ser Lys Arg Tyr
1 5 10

<210> 1697
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1697
Phe Ser Ala Gly Ser Gly Thr Glu Met Ser Tyr
1 5 10

<210> 1698
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1698
Phe Gly Ser Leu Ser Gly Ser Ser Thr Thr Tyr
1 5 10

<210> 1699
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1699
Phe Gly Ser Val Ser Gly Ser Trp Thr Arg Tyr
1 5 10

<210> 1700
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1700
Phe Arg Leu Val Ser Gly Ser Ser Met Ser Tyr
1 5 10

<210> 1701
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1701
Phe Arg Thr Gly Ser Gly Thr Ser Lys Ser Tyr
1 5 10

<210> 1702
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1702
Phe Ser Asn Met Ser Gly Thr Thr Arg Arg Tyr
1 5 10

<210> 1703
<211> 11
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1703
Phe Arg Thr Val Pro Gly Ser Ala Met Gly Tyr
1 5 10

<210> 1704
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1704
Phe Arg Ala Glu Ser Gly Ser Ser Met Gly Tyr
1 5 10

<210> 1705
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1705
Phe Arg Thr Leu Tyr Gly Ser Ser Arg Ser Tyr
1 5 10

<210> 1706
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1706
Phe Ser Pro Phe Ser Gly Ser Asp Thr Gly Tyr
1 5 10

<210> 1707
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1707
Phe Ser Thr Phe Ser Gly Ser Ser Ile Ser Tyr
1 5 10

<210> 1708
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1708
Phe Arg Thr Leu Ala Gly Ser Glu Met Arg Tyr
1 5 10

<210> 1709
<211> 11
<212> PRT
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<220>
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<400> 1709
Phe Arg Thr Val Ser Gly Ser Gly Val Arg Tyr
1 5 10

<210> 1710
<211> 11
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<220>
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<400> 1710
Phe Arg Pro Gly Ala Gly His Ser Asn Ser Tyr
1 5 10

<210> 1711
<211> 11
<212> PRT
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<220>
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<400> 1711
Phe Arg Arg Ala Ser Gly Thr Ala Met Ser Tyr
1 5 10

<210> 1712
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1712
Phe Thr Ser Ala Ser Gly Thr Asp Leu Ser Tyr
1 5 10

<210> 1713
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1713
Phe Arg Ser Ala Asn Gly Ser Ser Lys Arg Tyr
1 5 10

<210> 1714
<211> 11

<212> PRT
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<220>
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peptide

<400> 1714
Phe Lys Thr Ile Ala Gly Ala Gly Met Arg Tyr
1 5 10

<210> 1715
<211> 11
<212> PRT
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<220>
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peptide

<400> 1715
Phe Arg Tyr Gly Ser Gly Ser Ser Leu Ser Tyr
1 5 10

<210> 1716
<211> 11
<212> PRT
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<220>
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peptide

<400> 1716
Phe Arg Thr Val Pro Gly Ala Ser Met Lys Tyr
1 5 10

<210> 1717
<211> 11
<212> PRT
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<220>
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peptide

<400> 1717

Phe Arg Thr Val Asp Gly Ser Ala Ile Ser Tyr
1 5 10

<210> 1718
<211> 11
<212> PRT
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<220>
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<400> 1718
Phe Arg Thr Val Lys Gly Ser Gly Gly Ser Tyr
1 5 10

<210> 1719
<211> 11
<212> PRT
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<220>
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<400> 1719
Phe Arg Thr Val Ser Gly Ser Ser Arg Gly Tyr
1 5 10

<210> 1720
<211> 11
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<220>
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<400> 1720
Phe Arg Pro Gly Pro Gly Ser Gln Met Ala Tyr
1 5 10

<210> 1721
<211> 11
<212> PRT
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<220>
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peptide

<400> 1721
Phe Arg Thr Val Ala Gly Ser Ala Ser Gly Tyr
1 5 10

<210> 1722
<211> 11
<212> PRT
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<220>
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peptide

<400> 1722
Phe Arg Thr Val Ser Gly Ser Ser Tyr Ser Tyr
1 5 10

<210> 1723
<211> 11
<212> PRT
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<220>
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peptide

<400> 1723
Phe Ile Asn Leu Lys Gly Ser Ser Met Ala Tyr
1 5 10

<210> 1724
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1724
Phe Arg Met Val Thr Gly Ser Tyr Gly Gly Tyr
1 5 10

<210> 1725
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1725
Phe Lys Ser Ser Tyr Gly Leu Pro Met Arg Tyr
1 5 10

<210> 1726
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1726
Phe Lys Thr Val Ser Gly Gln Ser Leu Arg Tyr
1 5 10

<210> 1727
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1727
Phe Arg Thr Val Thr Gly Arg Ala Ala Arg Tyr
1 5 10

<210> 1728
<211> 11
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<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1728
Phe Gly Pro Ala Ile Gly Ala Ser Arg Thr Tyr
1 5 10

<210> 1729
<211> 11
<212> PRT
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<220>
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peptide

<400> 1729
Phe Arg Thr Val Ser Gly Ala Pro Lys Ser Tyr
1 5 10

<210> 1730
<211> 11
<212> PRT
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<220>
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peptide

<400> 1730
Phe His Thr Val Ser Gly Ser Ser Met Ser Tyr
1 5 10

<210> 1731
<211> 11
<212> PRT
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<220>
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peptide

<400> 1731
Phe Arg Arg Leu Glu Gly Tyr Ser Asn Arg Tyr
1 5 10

<210> 1732
<211> 11
<212> PRT
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<220>
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peptide

<400> 1732
Phe Arg Thr Gly Ser Gly Ser Ser Met Gly Tyr
1 5 10

<210> 1733
<211> 11
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<220>
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peptide

<400> 1733
Phe Thr Thr Val Thr Gly Ser Ser Met Ser Tyr
1 5 10

<210> 1734
<211> 9
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<220>
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peptide

<400> 1734
Tyr Tyr Trp Thr Glu Arg Arg Pro Tyr
1 5

<210> 1735
<211> 9
<212> PRT
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<220>
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peptide

<400> 1735
Tyr Ser Trp Asp Asp Ala His Pro Tyr
1 5

<210> 1736
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1736
Tyr Arg Trp Met Thr Arg Leu Thr Tyr
1 5

<210> 1737
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1737
Tyr Asp Trp Ala Asp Ala Gln Pro Tyr
1 5

<210> 1738
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1738
Tyr Ser Trp Thr Asp Arg Leu Pro Tyr
1 5

<210> 1739
<211> 9

<212> PRT
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<220>
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peptide

<400> 1739
Tyr Arg Trp Ala Thr Arg Leu Pro Tyr
1 5

<210> 1740
<211> 9
<212> PRT
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<220>
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peptide

<400> 1740
Tyr Lys Trp Ser Asn Arg Leu Pro Tyr
1 5

<210> 1741
<211> 9
<212> PRT
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<220>
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peptide

<400> 1741
Tyr Gly Trp Lys Thr Arg Gln Pro Tyr
1 5

<210> 1742
<211> 9
<212> PRT
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<220>
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peptide

<400> 1742

Tyr Arg Trp Pro Asn Arg Arg Gly Tyr
1 5

<210> 1743
<211> 9
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<220>
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<400> 1743
Tyr Asp Trp Thr Thr Arg Gln Arg Tyr
1 5

<210> 1744
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<400> 1744
Tyr Asn Trp Ser Tyr Ala Gln Pro Tyr
1 5

<210> 1745
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<400> 1745
Tyr Asn Trp Thr Asp Ser Leu Gln Tyr
1 5

<210> 1746
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peptide

<400> 1746
Tyr Ser Trp Thr Thr Ser Leu Pro Tyr
1 5

<210> 1747
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<220>
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peptide

<400> 1747
Tyr Lys Trp Arg Ser Arg Ser Thr Tyr
1 5

<210> 1748
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<220>
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peptide

<400> 1748
Tyr Ser Gln Thr Thr Arg Asp Pro Tyr
1 5

<210> 1749
<211> 9
<212> PRT
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<220>
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peptide

<400> 1749
Tyr Arg Trp Thr Ala Arg Asp Thr Tyr
1 5

<210> 1750
<211> 9
<212> PRT
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<220>
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<400> 1750
Tyr Arg Trp Thr Ser Arg Leu Ser Tyr
1 5

<210> 1751
<211> 9
<212> PRT
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<220>
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<400> 1751
Tyr Ser Trp Thr Thr Arg Ser Arg Tyr
1 5

<210> 1752
<211> 9
<212> PRT
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<220>
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<400> 1752
Tyr Asn Trp Thr Ser Arg Tyr Arg Tyr
1 5

<210> 1753
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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1753
Tyr Ser Trp Lys Thr Arg Phe Pro Tyr
1 5

<210> 1754
<211> 9
<212> PRT
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<220>
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peptide

<400> 1754
Tyr Ser Trp Thr Thr Arg Tyr Pro Tyr
1 5

<210> 1755
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1755
Tyr Glu Trp Thr Asn Ala Leu Pro Tyr
1 5

<210> 1756
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1756
Tyr Ser Trp Ile Thr Arg Ser Pro Tyr
1 5

<210> 1757
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1757
Tyr Ser Trp Thr Thr Arg Arg Gln Tyr
1 5

<210> 1758
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1758
Tyr Ser Trp Ile Thr Arg Ser Pro Tyr
1 5

<210> 1759
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1759
Tyr Arg Trp Glu Glu Ser Arg Gln Tyr
1 5

<210> 1760
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1760
Tyr Thr Trp Thr Thr Arg Leu Pro Tyr
1 5

<210> 1761
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1761
Tyr Arg Trp Glu Glu Ser Arg Gln Tyr
1 5

<210> 1762
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1762
Tyr Ser Trp Thr Thr Arg Gln Pro Tyr
1 5

<210> 1763
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1763
Tyr Val Trp Gly Thr Arg Leu Pro Tyr
1 5

<210> 1764
<211> 9

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1764
Tyr Glu Trp Thr Asn Ala Leu Pro Tyr
1 5

<210> 1765
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1765
Tyr Arg Trp Glu Asp Ala Leu Thr Tyr
1 5

<210> 1766
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1766
Tyr Ser Trp Thr Thr Arg Tyr Pro Tyr
1 5

<210> 1767
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1767

Tyr Ser Trp Ile Asp Ser Leu Arg Tyr
1 5

<210> 1768
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1768
Tyr Ser Trp Thr Thr Pro Arg Ala Tyr
1 5

<210> 1769
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1769
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 Arg 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> 1770
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1770
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 Lys 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 Ala Asp Thr Leu Tyr Ala Asp Ser Leu
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 Lys Ser Ser Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 1771
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1771
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 Tyr 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 Lys Ser Ser Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 1772
<211> 115
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1772
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 Lys 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 Thr 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> 1773
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1773
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 Arg 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 Lys Ser Ser Gln Gly Thr Leu Val Thr
            100                 105                 110


Val Ser Ser
        115


<210> 1774
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 1774
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 Lys 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 Arg 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 Val Ser Ser Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser
        115
```

<210> 1775
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1775

```
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> 1776
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 1776
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 Arg 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 Glu 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> 1777
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1777
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 Lys 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 Thr Asp Thr Leu Tyr Ala Glu 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> 1778
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1778
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 Lys 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 Arg Asp Thr Leu Tyr Ala Glu 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 Val Ser Ser Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 1779
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1779
Gly Phe Thr Phe Ser Ser Phe Gly Met Ser
1 5 10

<210> 1780
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1780
Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys
1 5 10 15

<210> 1781
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1781
Gly Gly Ser Leu Ser Arg
1 5

<210> 1782
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1782
Gly Phe Thr Phe Ser Arg Phe Gly Met Ser
1 5 10

<210> 1783
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1783
Gly Phe Thr Phe Ser Lys Phe Gly Met Ser
1 5 10

<210> 1784
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1784
Gly Phe Thr Tyr Ser Ser Phe Gly Met Ser
1 5 10

<210> 1785
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1785
Ser Ile Ser Gly Ser Gly Ala Asp Thr Leu Tyr Ala Asp Ser Leu Lys
1 5 10 15

<210> 1786
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1786
Ser Ile Ser Gly Ser Gly Thr Asp Thr Leu Tyr Ala Asp Ser Val Lys
1 5 10 15

<210> 1787
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1787
Ser Ile Ser Gly Ser Gly Arg Asp Thr Leu Tyr Ala Asp Ser Val Lys
1 5 10 15

<210> 1788
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1788
Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Glu Ser Val Lys
1 5 10 15

<210> 1789
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1789
Ser Ile Ser Gly Ser Gly Thr Asp Thr Leu Tyr Ala Glu Ser Val Lys
1 5 10 15

<210> 1790
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1790
Ser Ile Ser Gly Ser Gly Arg Asp Thr Leu Tyr Ala Glu Ser Val Lys
1 5 10 15

<210> 1791
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1791
Gly Gly Ser Leu Ser Lys
1 5

<210> 1792
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1792
Gly Gly Ser Leu Ser Val
1 5

<210> 1793
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1793
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr
20 25 30

```
Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60

Gln Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Ala Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Phe Leu Val Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220
```

```
Glu Ala Glu Tyr Tyr Cys Thr Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240


Gly Gly Gly Thr Lys Leu Thr Val Leu
                245


<210> 1794
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 1794
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Glu Phe Asn Lys Tyr
            20                  25                  30


Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ala Arg Ile Arg Ser Lys Tyr Asn Lys Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60


Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80


Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95


Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
            100                 105                 110


Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125
```

```
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Ser Phe Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Asp Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245


<210> 1795
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 1795
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr
            20                  25                  30
```

```
Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser His Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Ser Thr Gly Tyr Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Ser Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Ile Phe
225                 230                 235                 240
```

```
Gly Gly Gly Thr Lys Leu Thr Val Leu
                245


<210> 1796
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 1796
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Met Phe Asn Lys Tyr
            20                  25                  30


Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ala Arg Ile Arg Ser Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60


Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80


Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95


Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
            100                 105                 110


Ala Thr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125


Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140
```

```
Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160


Thr Cys Gly Ser Ser Phe Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175


Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190


Thr Lys Leu Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205


Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220


Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Ser Trp Val Phe
225                 230                 235                 240


Gly Gly Gly Thr Lys Leu Thr Val Leu
                245


<210> 1797
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 1797
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Thr Tyr
            20                  25                  30


Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45
```

```
Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Lys Asp
    50                  55                  60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Pro Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Ser Thr Gly Ala Val Val Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Glu Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240
```

Gly Gly Gly Thr Lys Leu Thr Val Leu
245

<210> 1798
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1798
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Tyr Asn Lys Tyr
20 25 30

Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
50 55 60

Glu Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Pro Ile Ser Tyr Trp
100 105 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
130 135 140

```
Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160


Thr Cys Gly Ser Ser Lys Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175


Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190


Thr Lys Glu Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205


Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220


Glu Ala Glu Tyr Tyr Cys Thr Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240


Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1799
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1799

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Asn Thr Phe Asn Lys Tyr
            20                  25                  30


Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45
```

```
Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Glu Thr Tyr Tyr Ala Asp
    50                  55                  60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Thr Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Tyr Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Tyr Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1800
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1800
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Asn Tyr
20 25 30

Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
50 55 60

Ala Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Gln Ile Ser Tyr Trp
100 105 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
130 135 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145 150 155 160

```
Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Asp Gly Asn Tyr Pro Asn
                165                 170                 175


Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190


Ile Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205


Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220


Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240


Gly Gly Gly Thr Lys Leu Thr Val Leu
                245


<210> 1801
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      polypeptide

<400> 1801
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr
            20                  25                  30


Ala Val Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60
```

```
Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Glu Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Ile Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1802
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1802
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr
20 25 30

Pro Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
50 55 60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Asn Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Val Arg His Gly Asn Phe Asn Asn Ser Tyr Ile Ser Tyr Trp
100 105 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
130 135 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145 150 155 160

```
Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Lys Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Met Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Ala Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1803
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1803

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Asn Tyr
            20                  25                  30

Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Arg Ile Arg Ser Gly Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60
```

```
Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Tyr Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Phe Asn Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ala Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1804
<211> 249

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1804
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Glu Phe Asn Lys Tyr
20 25 30

Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Glu Thr Tyr Tyr Ala Asp
50 55 60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Leu Ile Ser Tyr Trp
100 105 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
130 135 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145 150 155 160

Thr Cys Gly Ser Ser Ser Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
165 170 175

```
Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Phe Gly Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1805
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1805

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr
            20                  25                  30

Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80
```

```
Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1806
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1806
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr
20 25 30

Ala Leu Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Glu Tyr Ala Asp
50 55 60

Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Pro Ile Ser Tyr Trp
100 105 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
130 135 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145 150 155 160

Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
165 170 175

```
Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190


Thr Asn Phe Leu Ala Pro Gly Thr Pro Glu Arg Phe Ser Gly Ser Leu
        195                 200                 205


Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220


Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Ala Phe
225                 230                 235                 240


Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1807
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1807

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Glu Tyr
            20                  25                  30


Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60


Asp Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80
```

```
Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Gly Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Val Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Glu Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
```

<210> 1808
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1808
Gly Gly Gly Gly Ser Gly Gly Gly Ser
1 5

<210> 1809
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MISC_FEATURE
<222> (1)..(20)
<223> This sequence may encompass 1-10 "Gly Ser"
repeating units

<400> 1809
Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser
1 5 10 15

Gly Ser Gly Ser
20

<210> 1810
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<221> MISC_FEATURE
<222> (1)..(30)
<223> This sequence may encompass 1-10 "Gly Gly Ser"
repeating units

<400> 1810

Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly
1 5 10 15

Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser
20 25 30

<210> 1811
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<221> MISC_FEATURE
<222> (1)..(40)
<223> This sequence may encompass 1-10 "Gly Gly Gly Ser" repeating units

<400> 1811
Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
20 25 30

Gly Gly Gly Ser Gly Gly Gly Ser
35 40

<210> 1812
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<221> MISC_FEATURE
<222> (1)..(40)

<223> This sequence may encompass 1-10 "Gly Gly Ser Gly"
repeating units

<400> 1812
Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly
20 25 30

Gly Gly Ser Gly Gly Gly Ser Gly
35 40

<210> 1813
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<221> MISC_FEATURE
<222> (1)..(50)
<223> This sequence may encompass 1-10 "Gly Gly Ser Gly Gly"
repeating units

<400> 1813
Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
1 5 10 15

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
20 25 30

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
35 40 45

Gly Gly
50

<210> 1814

<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<221> MISC_FEATURE
<222> (1)..(50)
<223> This sequence may encompass 1-10 "Gly Gly Gly Gly Ser"
repeating units

<400> 1814
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
20 25 30

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
35 40 45

Gly Ser
50

<210> 1815
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<221> MISC_FEATURE
<222> (1)..(50)
<223> This sequence may encompass 1-10 "Gly Gly Gly Gly Gly"
repeating units

<400> 1815
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly

1 5 10 15

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
20 25 30

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
35 40 45

Gly Gly
50

<210> 1816
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<221> MISC_FEATURE
<222> (1)..(30)
<223> This sequence may encompass 1-10 "Gly Gly Gly" repeating units

<400> 1816
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
20 25 30

<210> 1817
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1817

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser
20

<210> 1818
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1818
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 1819
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic 6xHis tag

<400> 1819
His His His His His His
1 5

<210> 1820
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1820
Gly Asn Thr Phe Asn Lys Tyr Ala Met Asn
1 5 10

<210> 1821
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1821
Gly Phe Glu Phe Asn Lys Tyr Ala Met Asn
1 5 10

<210> 1822
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1822
Gly Phe Met Phe Asn Lys Tyr Ala Met Asn
1 5 10

<210> 1823
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1823
Gly Phe Thr Tyr Asn Lys Tyr Ala Met Asn
1 5 10

<210> 1824
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1824
Gly Phe Thr Phe Asn Asn Tyr Ala Met Asn
1 5 10

<210> 1825
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1825
Gly Phe Thr Phe Asn Gly Tyr Ala Met Asn
1 5 10

<210> 1826
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1826
Gly Phe Thr Phe Asn Thr Tyr Ala Met Asn
1 5 10

<210> 1827
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1827
Gly Phe Thr Phe Asn Glu Tyr Ala Met Asn
1 5 10

<210> 1828
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1828
Gly Phe Thr Phe Asn Lys Tyr Pro Met Asn
1 5 10

<210> 1829
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1829
Gly Phe Thr Phe Asn Lys Tyr Ala Val Asn
1 5 10

<210> 1830
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1830
Gly Phe Thr Phe Asn Lys Tyr Ala Ile Asn
1 5 10

<210> 1831
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1831

Gly Phe Thr Phe Asn Lys Tyr Ala Leu Asn
1 5 10

<210> 1832
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1832
Arg Ile Arg Ser Gly Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys

<210> 1833
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1833
Arg Ile Arg Ser Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys

<210> 1834
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1834

Arg Ile Arg Ser Lys Tyr Asn Lys Tyr Ala Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys

<210> 1835
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1835
Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Glu Thr Tyr Tyr Ala Asp Ser
1 5 10 15

Val Lys

<210> 1836
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1836
Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Glu Tyr Ala Asp Ser
1 5 10 15

Val Lys

<210> 1837
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1837
Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Lys Asp Ser
1 5 10 15

Val Lys

<210> 1838
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1838
Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Glu
1 5 10 15

Val Lys

<210> 1839
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1839
Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ala
1 5 10 15

Val Lys

<210> 1840
<211> 18

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1840
Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Gln
1 5 10 15

Val Lys

<210> 1841
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1841
Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Asp
1 5 10 15

Val Lys

<210> 1842
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1842
His Ala Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
1 5 10

<210> 1843
<211> 14

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1843
His Thr Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
1 5 10

<210> 1844
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1844
His Gly Asn Phe Asn Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
1 5 10

<210> 1845
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1845
His Gly Asn Phe Gly Asp Ser Tyr Ile Ser Tyr Trp Ala Tyr
1 5 10

<210> 1846
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1846

His Gly Asn Phe Gly Asn Ser His Ile Ser Tyr Trp Ala Tyr
1   5   10

<210> 1847
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 1847
His Gly Asn Phe Gly Asn Ser Pro Ile Ser Tyr Trp Ala Tyr
1   5   10

<210> 1848
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 1848
His Gly Asn Phe Gly Asn Ser Gln Ile Ser Tyr Trp Ala Tyr
1   5   10

<210> 1849
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      peptide

<400> 1849
His Gly Asn Phe Gly Asn Ser Leu Ile Ser Tyr Trp Ala Tyr
1   5   10

<210> 1850
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1850
His Gly Asn Phe Gly Asn Ser Gly Ile Ser Tyr Trp Ala Tyr
1 5 10

<210> 1851
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1851
His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Thr
1 5 10

<210> 1852
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1852
Ala Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
1 5 10

<210> 1853
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1853
Gly Glu Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
1 5 10

<210> 1854
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1854
Gly Ser Tyr Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
1 5 10

<210> 1855
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1855
Gly Ser Ser Phe Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
1 5 10

<210> 1856
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1856
Gly Ser Ser Lys Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
1 5 10

<210> 1857
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1857
Gly Ser Ser Ser Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
1 5 10

<210> 1858
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1858
Gly Ser Ser Thr Gly Tyr Val Thr Ser Gly Asn Tyr Pro Asn
1 5 10

<210> 1859
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1859
Gly Ser Ser Thr Gly Ala Val Val Ser Gly Asn Tyr Pro Asn
1 5 10

<210> 1860
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1860
Gly Ser Ser Thr Gly Ala Val Thr Asp Gly Asn Tyr Pro Asn
1 5 10

<210> 1861
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1861
Gly Ser Ser Thr Gly Ala Val Thr Lys Gly Asn Tyr Pro Asn
1 5 10

<210> 1862
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1862
Gly Ser Ser Thr Gly Ala Val Thr His Gly Asn Tyr Pro Asn
1 5 10

<210> 1863
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1863
Gly Ser Ser Thr Gly Ala Val Thr Val Gly Asn Tyr Pro Asn
1 5 10

<210> 1864
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1864
Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Tyr Tyr Pro Asn
1 5 10

<210> 1865
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1865
Gly Ile Lys Phe Leu Ala Pro
1 5

<210> 1866
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1866
Gly Thr Glu Phe Leu Ala Pro
1 5

<210> 1867
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1867
Gly Thr Tyr Phe Leu Ala Pro
1 5

<210> 1868
<211> 7

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1868
Gly Thr Ser Phe Leu Ala Pro
1 5

<210> 1869
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1869
Gly Thr Asn Phe Leu Ala Pro
1 5

<210> 1870
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1870
Gly Thr Lys Leu Leu Ala Pro
1 5

<210> 1871
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1871

Gly Thr Lys Glu Leu Ala Pro
1 5

<210> 1872
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1872
Gly Thr Lys Ile Leu Ala Pro
1 5

<210> 1873
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1873
Gly Thr Lys Met Leu Ala Pro
1 5

<210> 1874
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1874
Gly Thr Lys Val Leu Ala Pro
1 5

<210> 1875
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1875
Gly Thr Lys Phe Asn Ala Pro
1 5

<210> 1876
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1876
Gly Thr Lys Phe Gly Ala Pro
1 5

<210> 1877
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1877
Gly Thr Lys Phe Leu Val Pro
1 5

<210> 1878
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1878
Thr Leu Trp Tyr Ser Asn Arg Trp Val
1 5

<210> 1879
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1879
Ala Leu Trp Tyr Ser Asn Arg Trp Val
1 5

<210> 1880
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1880
Val Leu Trp Tyr Asp Asn Arg Trp Val
1 5

<210> 1881
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1881
Val Leu Trp Tyr Ala Asn Arg Trp Val
1 5

<210> 1882
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1882
Val Leu Trp Tyr Ser Asn Ser Trp Val
1 5

<210> 1883
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1883
Val Leu Trp Tyr Ser Asn Arg Trp Ile
1 5

<210> 1884
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1884
Val Leu Trp Tyr Ser Asn Arg Trp Ala
1 5

<210> 1885
<211> 618
<212> PRT
<213> Homo sapiens

<400> 1885
Met Val Ser Pro Arg Met Ser Gly Leu Leu Ser Gln Thr Val Ile Leu
1 5 10 15

Ala Leu Ile Phe Leu Pro Gln Thr Arg Pro Ala Gly Val Phe Glu Leu
20 25 30

```
Gln Ile His Ser Phe Gly Pro Gly Pro Gly Pro Gly Ala Pro Arg Ser
        35                  40                  45

Pro Cys Ser Ala Arg Leu Pro Cys Arg Leu Phe Phe Arg Val Cys Leu
    50                  55                  60

Lys Pro Gly Leu Ser Glu Glu Ala Ala Glu Ser Pro Cys Ala Leu Gly
65                  70                  75                  80

Ala Ala Leu Ser Ala Arg Gly Pro Val Tyr Thr Glu Gln Pro Gly Ala
                85                  90                  95

Pro Ala Pro Asp Leu Pro Leu Pro Asp Gly Leu Leu Gln Val Pro Phe
            100                 105                 110

Arg Asp Ala Trp Pro Gly Thr Phe Ser Phe Ile Ile Glu Thr Trp Arg
        115                 120                 125

Glu Glu Leu Gly Asp Gln Ile Gly Gly Pro Ala Trp Ser Leu Leu Ala
    130                 135                 140

Arg Val Ala Gly Arg Arg Arg Leu Ala Ala Gly Gly Pro Trp Ala Arg
145                 150                 155                 160

Asp Ile Gln Arg Ala Gly Ala Trp Glu Leu Arg Phe Ser Tyr Arg Ala
                165                 170                 175

Arg Cys Glu Pro Pro Ala Val Gly Thr Ala Cys Thr Arg Leu Cys Arg
            180                 185                 190

Pro Arg Ser Ala Pro Ser Arg Cys Gly Pro Gly Leu Arg Pro Cys Ala
        195                 200                 205

Pro Leu Glu Asp Glu Cys Glu Ala Pro Leu Val Cys Arg Ala Gly Cys
    210                 215                 220

Ser Pro Glu His Gly Phe Cys Glu Gln Pro Gly Glu Cys Arg Cys Leu
225                 230                 235                 240
```

```
Glu Gly Trp Thr Gly Pro Leu Cys Thr Val Pro Val Ser Thr Ser Ser
                245                 250                 255

Cys Leu Ser Pro Arg Gly Pro Ser Ser Ala Thr Thr Gly Cys Leu Val
            260                 265                 270

Pro Gly Pro Gly Pro Cys Asp Gly Asn Pro Cys Ala Asn Gly Gly Ser
        275                 280                 285

Cys Ser Glu Thr Pro Arg Ser Phe Glu Cys Thr Cys Pro Arg Gly Phe
    290                 295                 300

Tyr Gly Leu Arg Cys Glu Val Ser Gly Val Thr Cys Ala Asp Gly Pro
305                 310                 315                 320

Cys Phe Asn Gly Gly Leu Cys Val Gly Gly Ala Asp Pro Asp Ser Ala
                325                 330                 335

Tyr Ile Cys His Cys Pro Pro Gly Phe Gln Gly Ser Asn Cys Glu Lys
            340                 345                 350

Arg Val Asp Arg Cys Ser Leu Gln Pro Cys Arg Asn Gly Gly Leu Cys
        355                 360                 365

Leu Asp Leu Gly His Ala Leu Arg Cys Arg Cys Arg Ala Gly Phe Ala
    370                 375                 380

Gly Pro Arg Cys Glu His Asp Leu Asp Asp Cys Ala Gly Arg Ala Cys
385                 390                 395                 400

Ala Asn Gly Gly Thr Cys Val Glu Gly Gly Gly Ala His Arg Cys Ser
                405                 410                 415

Cys Ala Leu Gly Phe Gly Gly Arg Asp Cys Arg Glu Arg Ala Asp Pro
            420                 425                 430
```

```
Cys Ala Ala Arg Pro Cys Ala His Gly Gly Arg Cys Tyr Ala His Phe
        435                 440                 445

Ser Gly Leu Val Cys Ala Cys Ala Pro Gly Tyr Met Gly Ala Arg Cys
    450                 455                 460

Glu Phe Pro Val His Pro Asp Gly Ala Ser Ala Leu Pro Ala Ala Pro
465                 470                 475                 480

Pro Gly Leu Arg Pro Gly Asp Pro Gln Arg Tyr Leu Leu Pro Pro Ala
                485                 490                 495

Leu Gly Leu Leu Val Ala Ala Gly Val Ala Gly Ala Ala Leu Leu Leu
            500                 505                 510

Val His Val Arg Arg Arg Gly His Ser Gln Asp Ala Gly Ser Arg Leu
        515                 520                 525

Leu Ala Gly Thr Pro Glu Pro Ser Val His Ala Leu Pro Asp Ala Leu
    530                 535                 540

Asn Asn Leu Arg Thr Gln Glu Gly Ser Gly Asp Gly Pro Ser Ser Ser
545                 550                 555                 560

Val Asp Trp Asn Arg Pro Glu Asp Val Asp Pro Gln Gly Ile Tyr Val
                565                 570                 575

Ile Ser Ala Pro Ser Ile Tyr Ala Arg Glu Val Ala Thr Pro Leu Phe
            580                 585                 590

Pro Pro Leu His Thr Gly Arg Ala Gly Gln Arg Gln His Leu Leu Phe
        595                 600                 605

Pro Tyr Pro Ser Ser Ile Leu Ser Val Lys
    610                 615
```

<210> 1886
<211> 117

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1886
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Leu Ser Ser Val Ser Val Leu
20 25 30

Ser Ile Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
35 40 45

Ala Gly Ile Ser Thr Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95

Ala Tyr Ser Trp Thr Thr Ser Leu Pro Tyr Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser
115

<210> 1887
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1887

Leu Ser Ser Val Ser Val Leu Ser Ile Ala
1 5 10

<210> 1888
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1888
Gly Ile Ser Thr Asp Gly Ser Thr Val Tyr Ile Asp Ser Val Lys Gly
1 5 10 15

<210> 1889
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1889
Tyr Ser Trp Thr Thr Ser Leu Pro Tyr
1 5

<210> 1890
<211> 505
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1890
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr
20 25 30

```
Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60

Gln Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Ala Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Ala Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Phe Leu Val Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Thr Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240
```

```
Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gly Gly Gly Ser Gly Gly
                245                 250                 255

Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro
            260                 265                 270

Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
        275                 280                 285

Lys Phe Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu
    290                 295                 300

Trp Val Ser Ser Ile Ser Gly Ser Gly Arg Asp Thr Leu Tyr Ala Asp
305                 310                 315                 320

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr
                325                 330                 335

Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr
            340                 345                 350

Tyr Cys Thr Ile Gly Gly Ser Leu Ser Val Ser Ser Gln Gly Thr Leu
        355                 360                 365

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val
    370                 375                 380

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
385                 390                 395                 400

Thr Leu Ser Cys Ala Ala Ser Ser Ser Ser Val Ser Leu Leu Ser Leu
                405                 410                 415

Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val Ala Gly
            420                 425                 430
```

```
Ile Ser Asp Asp Gly Ser Ile Val Tyr Met Asp Ser Val Lys Gly Arg
        435                 440                 445


Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu Gln Met
    450                 455                 460


Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr Ala Tyr
465                 470                 475                 480


Ser Trp Ile Thr Arg Ser Pro Tyr Trp Gly Gln Gly Thr Leu Val Thr
                485                 490                 495


Val Ser Ser His His His His His His
            500                 505
```

<210> 1891
<211> 505
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1891

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Thr Leu Ser Cys Ala Ala Ser Ser Ser Ser Val Ser Leu Leu
            20                  25                  30


Ser Leu Ala Trp Tyr Arg Gln Ala Pro Gly Lys Lys Arg Glu Leu Val
        35                  40                  45


Ala Gly Ile Ser Asp Asp Gly Ser Ile Val Tyr Met Asp Ser Val Lys
    50                  55                  60


Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Val Tyr Leu
65                  70                  75                  80
```

```
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
                85                  90                  95

Ala Tyr Ser Trp Ile Thr Arg Ser Pro Tyr Trp Gly Gln Gly Thr Leu
            100                 105                 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val
        115                 120                 125

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu
    130                 135                 140

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Lys Phe Gly Met
145                 150                 155                 160

Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser
                165                 170                 175

Ile Ser Gly Ser Gly Arg Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly
            180                 185                 190

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln
        195                 200                 205

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile
    210                 215                 220

Gly Gly Ser Leu Ser Val Ser Ser Gln Gly Thr Leu Val Thr Val Ser
225                 230                 235                 240

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu
                245                 250                 255

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys
            260                 265                 270

Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Ile Asn Trp Val Arg
        275                 280                 285
```

```
Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys
    290                 295                 300

Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Gln Val Lys Asp Arg Phe
305                 310                 315                 320

Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn
                325                 330                 335

Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Ala
            340                 345                 350

Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly
        355                 360                 365

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
    370                 375                 380

Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu
385                 390                 395                 400

Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Ala Ser Ser Thr
                405                 410                 415

Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro
            420                 425                 430

Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Val Pro
        435                 440                 445

Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala
    450                 455                 460

Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys
465                 470                 475                 480
```

```
Thr Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu
                485                 490                 495


Thr Val Leu His His His His His His
            500                 505


<210> 1892
<211> 618
<212> PRT
<213> Homo sapiens

<400> 1892
Met Val Ser Pro Arg Met Ser Gly Leu Leu Ser Gln Thr Val Ile Leu
1               5                   10                  15


Ala Leu Ile Phe Leu Pro Gln Thr Arg Pro Ala Gly Val Phe Glu Leu
            20                  25                  30


Gln Ile His Ser Phe Gly Pro Gly Pro Gly Pro Gly Ala Pro Arg Ser
        35                  40                  45


Pro Cys Ser Ala Arg Leu Pro Cys Arg Leu Phe Phe Arg Val Cys Leu
    50                  55                  60


Lys Pro Gly Leu Ser Glu Glu Ala Ala Glu Ser Pro Cys Ala Leu Gly
65                  70                  75                  80


Ala Ala Leu Ser Ala Arg Gly Pro Val Tyr Thr Glu Gln Pro Gly Ala
                85                  90                  95


Pro Ala Pro Asp Leu Pro Leu Pro Asp Gly Leu Leu Gln Val Pro Phe
            100                 105                 110


Arg Asp Ala Trp Pro Gly Thr Phe Ser Phe Ile Ile Glu Thr Trp Arg
        115                 120                 125


Glu Glu Leu Gly Asp Gln Ile Gly Gly Pro Ala Trp Ser Leu Leu Ala
    130                 135                 140
```

```
Arg Val Ala Gly Arg Arg Arg Leu Ala Ala Gly Gly Pro Trp Ala Arg
145                 150                 155                 160

Asp Ile Gln Arg Ala Gly Ala Trp Glu Leu Arg Phe Ser Tyr Arg Ala
                165                 170                 175

Arg Cys Glu Pro Pro Ala Val Gly Thr Ala Cys Thr Arg Leu Cys Arg
            180                 185                 190

Pro Arg Ser Ala Pro Ser Arg Cys Gly Pro Gly Leu Arg Pro Cys Ala
        195                 200                 205

Pro Leu Glu Asp Glu Cys Glu Ala Pro Leu Val Cys Arg Ala Gly Cys
    210                 215                 220

Ser Pro Glu His Gly Phe Cys Glu Gln Pro Gly Glu Cys Arg Cys Leu
225                 230                 235                 240

Glu Gly Trp Thr Gly Pro Leu Cys Thr Val Pro Val Ser Thr Ser Ser
                245                 250                 255

Cys Leu Ser Pro Arg Gly Pro Ser Ser Ala Thr Thr Gly Cys Leu Val
            260                 265                 270

Pro Gly Pro Gly Pro Cys Asp Gly Asn Pro Cys Ala Asn Gly Gly Ser
        275                 280                 285

Cys Ser Glu Thr Pro Arg Ser Phe Glu Cys Thr Cys Pro Arg Gly Phe
    290                 295                 300

Tyr Gly Leu Arg Cys Glu Val Ser Gly Val Thr Cys Ala Asp Gly Pro
305                 310                 315                 320

Cys Phe Asn Gly Gly Leu Cys Val Gly Gly Ala Asp Pro Asp Ser Ala
                325                 330                 335

Tyr Ile Cys His Cys Pro Pro Gly Phe Gln Gly Ser Asn Cys Glu Lys
            340                 345                 350
```

```
Arg Val Asp Arg Cys Ser Leu Gln Pro Cys Arg Asn Gly Gly Leu Cys
        355                 360                 365

Leu Asp Leu Gly His Ala Leu Arg Cys Arg Cys Arg Ala Gly Phe Ala
    370                 375                 380

Gly Pro Arg Cys Glu His Asp Leu Asp Asp Cys Ala Gly Arg Ala Cys
385                 390                 395                 400

Ala Asn Gly Gly Thr Cys Val Glu Gly Gly Gly Ala His Arg Cys Ser
                405                 410                 415

Cys Ala Leu Gly Phe Gly Gly Arg Asp Cys Arg Glu Arg Ala Asp Pro
            420                 425                 430

Cys Ala Ala Arg Pro Cys Ala His Gly Gly Arg Cys Tyr Ala His Phe
        435                 440                 445

Ser Gly Leu Val Cys Ala Cys Ala Pro Gly Tyr Met Gly Ala Arg Cys
    450                 455                 460

Glu Phe Pro Val His Pro Asp Gly Ala Ser Ala Leu Pro Ala Ala Pro
465                 470                 475                 480

Pro Gly Leu Arg Pro Gly Asp Pro Gln Arg Tyr Leu Leu Pro Pro Ala
                485                 490                 495

Leu Gly Leu Leu Val Ala Ala Gly Val Ala Gly Ala Ala Leu Leu Leu
            500                 505                 510

Val His Val Arg Arg Arg Gly His Ser Gln Asp Ala Gly Ser Arg Leu
        515                 520                 525

Leu Ala Gly Thr Pro Glu Pro Ser Val His Ala Leu Pro Asp Ala Leu
    530                 535                 540
```

```
Asn Asn Leu Arg Thr Gln Glu Gly Ser Gly Asp Gly Pro Ser Ser Ser
545                 550                 555                 560


Val Asp Trp Asn Arg Pro Glu Asp Val Asp Pro Gln Gly Ile Tyr Val
                565                 570                 575


Ile Ser Ala Pro Ser Ile Tyr Ala Arg Glu Val Ala Thr Pro Leu Phe
            580                 585                 590


Pro Pro Leu His Thr Gly Arg Ala Gly Gln Arg Gln His Leu Leu Phe
        595                 600                 605


Pro Tyr Pro Ser Ser Ile Leu Ser Val Lys
    610                 615


<210> 1893
<211> 446
<212> PRT
<213> Homo sapiens

<400> 1893
Arg Ser Pro Cys Ser Ala Arg Leu Pro Cys Arg Leu Phe Phe Arg Val
1               5                   10                  15


Cys Leu Lys Pro Gly Leu Ser Glu Glu Ala Ala Glu Ser Pro Cys Ala
            20                  25                  30


Leu Gly Ala Ala Leu Ser Ala Arg Gly Pro Val Tyr Thr Glu Gln Pro
        35                  40                  45


Gly Ala Pro Ala Pro Asp Leu Pro Leu Pro Asp Gly Leu Leu Gln Val
    50                  55                  60


Pro Phe Arg Asp Ala Trp Pro Gly Thr Phe Ser Phe Ile Ile Glu Thr
65                  70                  75                  80


Trp Arg Glu Glu Leu Gly Asp Gln Ile Gly Gly Pro Ala Trp Ser Leu
                85                  90                  95
```

```
Leu Ala Arg Val Ala Gly Arg Arg Arg Leu Ala Ala Gly Gly Pro Trp
            100                 105                 110

Ala Arg Asp Ile Gln Arg Ala Gly Ala Trp Glu Leu Arg Phe Ser Tyr
        115                 120                 125

Arg Ala Arg Cys Glu Pro Pro Ala Val Gly Thr Ala Cys Thr Arg Leu
    130                 135                 140

Cys Arg Pro Arg Ser Ala Pro Ser Arg Cys Gly Pro Gly Leu Arg Pro
145                 150                 155                 160

Cys Ala Pro Leu Glu Asp Glu Cys Glu Ala Pro Leu Val Cys Arg Ala
                165                 170                 175

Gly Cys Ser Pro Glu His Gly Phe Cys Glu Gln Pro Gly Glu Cys Arg
            180                 185                 190

Cys Leu Glu Gly Trp Thr Gly Pro Leu Cys Thr Val Pro Val Ser Thr
        195                 200                 205

Ser Ser Cys Leu Ser Pro Arg Gly Pro Ser Ser Ala Thr Thr Gly Cys
    210                 215                 220

Leu Val Pro Gly Pro Gly Pro Cys Asp Gly Asn Pro Cys Ala Asn Gly
225                 230                 235                 240

Gly Ser Cys Ser Glu Thr Pro Arg Ser Phe Glu Cys Thr Cys Pro Arg
                245                 250                 255

Gly Phe Tyr Gly Leu Arg Cys Glu Val Ser Gly Val Thr Cys Ala Asp
            260                 265                 270

Gly Pro Cys Phe Asn Gly Gly Leu Cys Val Gly Gly Ala Asp Pro Asp
        275                 280                 285

Ser Ala Tyr Ile Cys His Cys Pro Pro Gly Phe Gln Gly Ser Asn Cys
    290                 295                 300
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Glu Lys Arg Val Asp Arg Cys Ser Leu Gln Pro Cys Arg Asn Gly Gly
305                 310                 315                 320

Leu Cys Leu Asp Leu Gly His Ala Leu Arg Cys Arg Cys Arg Ala Gly
                325                 330                 335

Phe Ala Gly Pro Arg Cys Glu His Asp Leu Asp Asp Cys Ala Gly Arg
            340                 345                 350

Ala Cys Ala Asn Gly Gly Thr Cys Val Glu Gly Gly Gly Ala His Arg
        355                 360                 365

Cys Ser Cys Ala Leu Gly Phe Gly Gly Arg Asp Cys Arg Glu Arg Ala
    370                 375                 380

Asp Pro Cys Ala Ala Arg Pro Cys Ala His Gly Gly Arg Cys Tyr Ala
385                 390                 395                 400

His Phe Ser Gly Leu Val Cys Ala Cys Ala Pro Gly Tyr Met Gly Ala
                405                 410                 415

Arg Cys Glu Phe Pro Val His Pro Asp Gly Ala Ser Ala Leu Pro Ala
            420                 425                 430

Ala Pro Pro Gly Leu Arg Pro Gly Asp Pro Gln Arg Tyr Leu
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<400> 1894
Gly Xaa Ser Xaa Xaa Gly Xaa Xaa Xaa Tyr Xaa Xaa Ser Val Lys Gly
1 5 10 15

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<220>
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peptide

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<223> A, K, P, R, or S

<220>
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<223> D, E, G, K, N, Q, R, S, T, or Y

<220>
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<222> (7)..(7)
<223> S or T

<220>
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<222> (8)..(8)
<223> A, E, F, H, I, K, L, N, Q, R, S, T, V, or Y

<220>
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<223> A, I, L, M, V, or Y

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<223> D, F, H, I, L, N, S, T, V, or Y

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<220>
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<222> (16)..(16)
<223> G or V

<400> 1895
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1 5 10 15

<210> 1896
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1896
Leu Pro Glu Thr Gly
1 5

<210> 1897
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1897
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1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Gly Tyr
20 25 30

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Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60

Glu Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Pro Ile Ser Tyr Trp
            100                 105                 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140

Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Ser Thr Gly Ala Val Val Ser Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Glu Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240
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Gly Gly Gly Thr Lys Leu Thr Val Leu
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<210> 1898
<211> 249
<212> PRT
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<220>
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      polypeptide

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Asn Thr Phe Asn Lys Tyr
            20                  25                  30


Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
    50                  55                  60


Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80


Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95


Tyr Cys Val Arg His Gly Asn Phe Gly Asp Ser Tyr Ile Ser Tyr Trp
            100                 105                 110


Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
        115                 120                 125


Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
    130                 135                 140
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Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu
145                 150                 155                 160

Thr Cys Gly Ser Ser Thr Gly Ala Val Thr His Gly Asn Tyr Pro Asn
                165                 170                 175

Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
            180                 185                 190

Thr Lys Val Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
        195                 200                 205

Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
    210                 215                 220

Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
225                 230                 235                 240

Gly Gly Gly Thr Lys Leu Thr Val Leu
                245
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