SEQUENCE LISTING

<110> ELSTAR THERAPEUTICS, INC.

<120> MULTIFUNCTIONAL MOLECULES THAT BIND TO T CELL RELATED CANCER CELLS AND USES THEREOF

<130> E2070-7022WO

<140>
<141>

<150> 62/808,646
<151> 2019-02-21

<160> 7385

<170> PatentIn version 3.5

<210> 1
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

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

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Thr Tyr
20 25 30

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

Gly Trp Phe Phe Pro Gly Ser Gly Asn Ile Lys Tyr Asn Glu Lys Phe
50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

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

Ala Gly Ser Tyr Tyr Ser Tyr Asp Val Leu Asp Tyr Trp Gly His Gly
100 105 110

Thr Thr Leu Thr Val Ser Ser
115

<210> 2
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 2
Asp Ile Leu Met Thr Gln Ser Gln Lys Phe Met Ser Thr Ser Leu Gly
1 5 10 15

Asp Arg Val Ser Val Ser Cys Lys Ala Ser Gln Asn Val Gly Ile Asn
20 25 30

Val Val Trp His Gln Gln Lys Pro Gly Gln Ser Pro Lys Ala Leu Ile
35 40 45

Tyr Ser Ser Ser His Arg Tyr Ser Gly Val Pro Asp Arg Phe Thr Gly
50 55 60

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

Glu Asp Leu Ala Glu Tyr Phe Cys Gln Gln Phe Lys Ser Tyr Pro Leu
85 90 95

Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
100 105

<210> 3
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 3
Gly Tyr Ser Phe Thr Thr Tyr Tyr Ile His
1 5 10

<210> 4
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 4
Trp Phe Phe Pro Gly Ser Gly Asn Ile Lys Tyr Asn Glu Lys Phe Lys
1 5 10 15

Gly

<210> 5
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5
Ser Tyr Tyr Ser Tyr Asp Val Leu Asp Tyr
1 5 10

<210> 6
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6
Lys Ala Ser Gln Asn Val Gly Ile Asn Val Val
1               5                   10


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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7
Ser Ser Ser His Arg Tyr Ser
1               5


<210> 8
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 8
Gln Gln Phe Lys Ser Tyr Pro Leu Thr
1               5


<210> 9
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

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


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Thr Tyr
            20                  25                  30

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


Gly Trp Phe Phe Pro Gly Ser Gly Asn Ile Lys Tyr Asn Glu Lys Phe
    50                  55                  60


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


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


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


Thr Thr Val Thr Val Ser Ser
        115


<210> 10
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 10
Asp Ile Gln Met Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly
1               5                   10                  15


Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asn Val Gly Ile Asn
            20                  25                  30


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


Tyr Ser Ser Ser His Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60
```

```
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80


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


Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210> 11
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 11
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                   10                  15


Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asn Val Gly Ile Asn
            20                  25                  30


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


Tyr Ser Ser Ser His Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80


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


Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210> 12
<211> 357
```

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 12
caggtgcagc tggttcagtc tggcgccgaa gtgaagaaac ctggctcctc cgtgaaggtg 60

tcctgcaagg cttccggcta ctccttcacc acctactaca tccactgggt ccgacaggcc 120

cctggacaag gattggaatg gatgggctgg ttcttccccg gctccggcaa catcaagtac 180

aacgagaagt tcaagggccg cgtgaccatc accgccgaca cctctacctc taccgcctac 240

atggaactgt ccagcctgag atctgaggac accgccgtgt actactgcgc cggctcctac 300

tactcttacg acgtgctgga ttactggggc cagggcacca cagtgacagt gtcctct 357

<210> 13
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 13
gacatccaga tgacccagtc tccatccttc ctgtccgcct ctgtgggcga cagagtgacc 60

atcacatgca aggcctctca gaacgtgggc atcaacgtcg tgtggcacca gcagaagcct 120

ggcaaggctc ctaaggctct gatctactcc tccagccacc ggtactctgg cgtgccctct 180

agattttccg gctctggctc tggcaccgag tttaccctga caatctccag cctgcagcct 240

gaggacttcg ccacctactt ttgccagcag ttcaagagct accctctgac ctttggccag 300

ggcaccaagc tggaaatcaa g 321

<210> 14
<211> 321
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 14
gacatccaga tgacccagtc tccatcctct ctgtccgcct ctgtgggcga cagagtgacc 60

atcacatgca aggcctctca gaacgtgggc atcaacgtcg tgtggcacca gcagaaacct 120

ggcaaggtgc ccaaggctct gatctactcc tccagccaca gatactccgg cgtgccctct 180

agattctccg gctctggctc tggcaccgac tttaccctga caatctccag cctgcagcct 240

gaggacgtgg ccacctactt ttgccagcag ttcaagagct accctctgac ctttggccag 300

ggcaccaagc tggaaatcaa g 321

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

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

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

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

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

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

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

Ala Arg Arg Gly Glu Gly Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser

100 105 110

Val Thr Val Ser Ser
115

<210> 16
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 16
Glu Asn Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Leu Gly
1 5 10 15

Glu Lys Val Thr Met Ser Cys Arg Ala Ser Ser Ser Val Asn Tyr Ile
20 25 30

Tyr Trp Tyr Gln Gln Lys Ser Asp Ala Ser Pro Lys Leu Trp Ile Tyr
35 40 45

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

Gly Ser Gly Asn Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Gly Glu
65 70 75 80

Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Phe Thr Ser Ser Pro Phe Thr
85 90 95

Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 17
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 17
Gly Phe Thr Phe Ser Asn Phe Gly Met His
1 5 10

<210> 18
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 18
Tyr Ile Ser Ser Gly Ser Ser Thr Ile Tyr Tyr Ala Asp Thr Leu Lys
1 5 10 15

Gly

<210> 19
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 19
Arg Gly Glu Gly Ala Met Asp Tyr
1 5

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 20

Arg Ala Ser Ser Ser Val Asn Tyr Ile Tyr
1 5 10

<210> 21
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 21
Tyr Thr Ser Asn Leu Ala Pro
1 5

<210> 22
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 22
Gln Gln Phe Thr Ser Ser Pro Phe Thr
1 5

<210> 23
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

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

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

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


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


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


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


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


Val Thr Val Ser Ser
        115


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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

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


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


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


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


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

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


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


Val Thr Val Ser Ser
        115


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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 25
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15


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


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


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


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


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


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

Val Thr Val Ser Ser
        115


<210> 26
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 26
Asp Asn Gln Leu Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly
1               5                  10                  15


Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Ser Ser Val Asn Tyr Ile
            20                  25                  30


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


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


Gly Ser Gly Asn Glu Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65                  70                  75                  80


Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Thr Ser Ser Pro Phe Thr
                85                  90                  95


Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210> 27
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 27
Asp Asn Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                  10                  15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Ser Ser Val Asn Tyr Ile
            20                  25                  30

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

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

Gly Ser Gly Asn Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65                  70                  75                  80

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Thr Ser Ser Pro Phe Thr
                85                  90                  95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105

<210> 28
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

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

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

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

Tyr Thr Ser Asn Leu Ala Pro Gly Ile Pro Ala Arg Phe Ser Gly Ser

50 55 60

Gly Ser Gly Asn Glu Tyr Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu
65 70 75 80

Asp Phe Ala Val Tyr Tyr Cys Gln Gln Phe Thr Ser Ser Pro Phe Thr
85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 29
<211> 105
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 29
Gln Asn Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Arg Ala Ser Ser Ser Val Asn Tyr Ile Tyr
20 25 30

Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Tyr
35 40 45

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

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

Glu Ala Asp Tyr Tyr Cys Gln Gln Phe Thr Ser Ser Pro Phe Thr Phe
85 90 95

Gly Thr Gly Thr Lys Val Thr Val Leu
100 105

<210> 30
<211> 105
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 30
Ser Asn Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

Thr Ala Arg Ile Thr Cys Arg Ala Ser Ser Ser Val Asn Tyr Ile Tyr
20 25 30

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

Thr Ser Asn Leu Ala Pro Gly Ile Pro Glu Arg Phe Ser Gly Ser Gly
50 55 60

Ser Gly Asn Met Tyr Thr Leu Thr Ile Ser Gly Ala Gln Val Glu Asp
65 70 75 80

Glu Ala Asp Tyr Tyr Cys Gln Gln Phe Thr Ser Ser Pro Phe Thr Phe
85 90 95

Gly Thr Gly Thr Lys Val Thr Val Leu
100 105

<210> 31
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 31
gaggtgcagc tggttgaatc tggcggagga ttggttcagc ctggcggctc tctgagactg 60

tcttgtgccg cttctggctt caccttctcc aacttcggca tgcactgggt ccgacaggcc 120

cctggaaaag gactggaatg ggtgtcctac atctcctccg gctcctccac catctactac 180

gctgacaccc tgaagggcag attcaccatc tctcgggaca acgccaagaa ctccctgtac 240

ctgcagatga acagcctgag agccgaggac accgccgtgt actactgtgc tagaagaggc 300

gagggcgcca tggattattg gggccaggga accacagtga ccgtgtctag c 351

<210> 32
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 32
gaggtgcagc tggttgaatc tggcggagga ttggttcagc ctggcggctc tctgagactg 60

tcttgtgccg cttctggctt caccttctcc aacttcggca tgcactgggt ccgacaggcc 120

cctggaaaag gactggaatg ggtgtcctac atctcctccg gctcctccac catctactac 180

gctgacaccc tgaagggcag attcaccatc agccgggaca actccaagaa caccctgtac 240

ctgcagatga actccctgag agccgaggac accgccgtgt actactgtgc tagaagaggc 300

gagggcgcca tggattattg gggccaggga accacagtga ccgtgtctag c 351

<210> 33
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 33
caggtgcagc tggtggaatc tggtggcgga gttgtgcagc ctggcagatc cctgagactg 60

tcttgtgccg cctctggctt caccttctcc aacttcggca tgcactgggt ccgacaggcc 120

cctggaaaag gattggagtg ggtcgcctac atctcctccg gctcctccac catctactac 180

gctgacaccc tgaagggcag attcaccatc agccgggaca actccaagaa caccctgtac 240

ctgcagatga actccctgag agccgaggac accgccgtgt actactgtgc tagaagaggc 300

gagggcgcca tggattattg gggccaggga accacagtga ccgtgtctag c 351

<210> 34
<211> 318
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 34
gataaccagc tgacccagtc tcctagcttc ctgtctgcct ctgtgggcga cagagtgaca 60

attacctgcc gggcctcctc ctccgtgaac tacatctact ggtatcagca gaagcccggc 120

aaggccccta agctgctgat ctactacacc tccaatctgg cccctggcgt gccctctaga 180

ttttccggat ctggctccgg caacgagtat accctgacaa tctccagcct gcagcctgag 240

gacttcgcca cctactactg ccagcagttc acctcctctc cattcacctt tggccagggc 300

accaagctgg aaatcaaa 318

<210> 35
<211> 317
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 35
ataaccagct gacccagtct ccttccagcc tgtctgcttc tgtgggcgac agagtgacaa 60

ttacctgccg ggcctcctcc tccgtgaact acatctactg gtatcagcag aagcccggca 120

aggcccctaa gctgctgatc tactacacct ccaatctggc ccctggcgtg ccctctagat 180

tttccggatc tggctccggc aacgactata ccctgacaat ctccagcctg cagcctgagg 240

acttcgccac ctactactgc cagcagttca cctcctctcc attcaccttt ggccagggca 300

ccaagctgga aatcaaa 317

<210> 36
<211> 318
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 36
gagaatgtgc tgacccagtc tcctgccaca ctgtctgtta gccctggcga gagagctacc 60

ctgagctgca gagcctcttc ctccgtgaac tacatctact ggtatcagca gaagcccggc 120

caggctccta gactgctgat ctactacacc tccaatctgg cccctggcat ccctgccaga 180

ttttccggat ctggctccgg caacgagtat accctgacca tctccagcct gcagtccgag 240

gactttgctg tgtactattg ccagcagttc acaagcagcc ctttcacctt tggccagggc 300

accaagctgg aaatcaaa 318

<210> 37
<211> 315
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 37
cagaatgtgc tgacccaacc tccttccgcc tctggcacac ctggacagag agtgacaatc 60

tcctgccggg cctcctcctc cgtgaactac atctactggt atcagcagct gcccggcacc 120

gctcctaaac tgctgatcta ctacacctcc aatctggccc ctggcgtgcc cgatagattt 180

tccggatctg gctccggcaa ctcctacagc ctggctatct ctggcctgag atctgaggac 240

gaggccgact actactgcca gcagttcacc tcctctccat tcacctttgg caccggcacc 300

aaagtgacag ttctt 315

<210> 38
<211> 315
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 38
tctaatgagc tgacccagcc tccttccgtg tccgtgtctc ctggacagac cgccagaatt 60

acctgccggg cctcctcctc cgtgaactac atctactggt atcagcagaa gtccggccag 120

gctcctgtgc tcgtgatcta ctacacctcc aatctggccc ctggcatccc tgagagattc 180

tccggatctg gctccggcaa catgtacacc ctgaccatct ctggcgccca ggtggaagat 240

gaggccgact actactgcca gcagttcacc tcctctccat tcacctttgg caccggcacc 300

aaagtgacag ttctt 315

<210> 39
<211> 107
<212> PRT
<213> Homo sapiens

<400> 39
Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
1 5 10 15

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

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

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
50 55 60

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
65 70 75 80

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
85 90 95

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
100 105

<210> 40
<211> 326
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 40
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg
1 5 10 15

Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
65 70 75 80

Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Arg Val Glu Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro
100 105 110

Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
115 120 125

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
145 150 155 160

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe

```
                165                 170                 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
            180                 185                 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
        195                 200                 205

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
    210                 215                 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225                 230                 235                 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
                245                 250                 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
            260                 265                 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
        275                 280                 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
    290                 295                 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
305                 310                 315                 320

Leu Ser Leu Ser Leu Gly
                325


<210> 41
<211> 330
<212> PRT
<213> Homo sapiens

<400> 41
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1               5                   10                  15
```

```
Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
            20                  25                  30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
        35                  40                  45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
    50                  55                  60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65                  70                  75                  80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
                85                  90                  95

Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
            100                 105                 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
        115                 120                 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
    130                 135                 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145                 150                 155                 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
                165                 170                 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
            180                 185                 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
        195                 200                 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
    210                 215                 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
```

225 230 235 240

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 42
<211> 330
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 42
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

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

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

```
Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65                  70                  75                  80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
                85                  90                  95

Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
            100                 105                 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
        115                 120                 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
    130                 135                 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145                 150                 155                 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
                165                 170                 175

Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
            180                 185                 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
        195                 200                 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
    210                 215                 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
225                 230                 235                 240

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
                245                 250                 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
            260                 265                 270
```

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 43
<211> 344
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 43
atgagcatcg gcctcctgtg ctgtgcagcc ttgtctctcc tgtgggcagg tccagtgaat 60

gctggtgtca ctcagacccc aaaattccag gtcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatgaatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgaggc tgattcatta ctcagttggt gctggtatca ctgaccaagg agaagtcccc 240

aatggctaca atgtctccag atcaaccaca gaggatttcc cgctcaggct gctgtcggct 300

gctccctccc agacatctgt gtacttctgt gccagcagtt actc 344

<210> 44
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 44
Met Ser Ile Gly Leu Leu Cys Cys Ala Ala Leu Ser Leu Leu Trp Ala
1 5 10 15

Gly Pro Val Asn Ala Gly Val Thr Gln Thr Pro Lys Phe Gln Val Leu
            20                  25                  30

Lys Thr Gly Gln Ser Met Thr Leu Gln Cys Ala Gln Asp Met Asn His
        35                  40                  45

Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Met Gly Leu Arg Leu
    50                  55                  60

Ile His Tyr Ser Val Gly Ala Gly Ile Thr Asp Gln Gly Glu Val Pro
65                  70                  75                  80

Asn Gly Tyr Asn Val Ser Arg Ser Thr Thr Glu Asp Phe Pro Leu Arg
                85                  90                  95

Leu Leu Ser Ala Ala Pro Ser Gln Thr Ser Val Tyr Phe Cys Ala Ser
            100                 105                 110

Ser Tyr

<210> 45
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 45
Thr Tyr Tyr Ile His
1               5

<210> 46
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

peptide"

<400> 46
Trp Phe Phe Pro Gly Ser Gly Asn Ile Lys Tyr Asn Glu Lys Phe Lys
1 5 10 15

Gly

<210> 47
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 47
Ser Tyr Tyr Ser Tyr Asp Val Leu Asp Tyr
1 5 10

<210> 48
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 48
Gly Tyr Ser Phe Thr Thr Tyr
1 5

<210> 49
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 49
Phe Pro Gly Ser Gly Asn

1 5

<210> 50
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 50
Ser Tyr Tyr Ser Tyr Asp Val Leu Asp Tyr
1 5 10

<210> 51
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 51
Lys Ala Ser Gln Asn Val Gly Ile Asn Val Val
1 5 10

<210> 52
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 52
Ser Ser Ser His Arg Tyr Ser
1 5

<210> 53
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 53
Gln Gln Phe Lys Ser Tyr Pro Leu Thr
1 5

<210> 54
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 54
Lys Ala Ser Gln Asn Val Gly Ile Asn Val Val
1 5 10

<210> 55
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 55
Ser Ser Ser His Arg Tyr Ser
1 5

<210> 56
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 56
Gln Gln Phe Lys Ser Tyr Pro Leu Thr
1 5

<210> 57
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 57
Asn Phe Gly Met His
1 5

<210> 58
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 58
Tyr Ile Ser Ser Gly Ser Ser Thr Ile Tyr Tyr Ala Asp Thr Leu Lys
1 5 10 15

Gly

<210> 59
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 59
Arg Gly Glu Gly Ala Met Asp Tyr
1 5

<210> 60
<211> 7

<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 60
Gly Phe Thr Phe Ser Asn Phe
1 5

<210> 61
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 61
Ser Ser Gly Ser Ser Thr
1 5

<210> 62
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 62
Arg Gly Glu Gly Ala Met Asp Tyr
1 5

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 63
Arg Ala Ser Ser Ser Val Asn Tyr Ile Tyr
1               5                   10


<210> 64
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 64
Tyr Thr Ser Asn Leu Ala Pro
1               5


<210> 65
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 65
Gln Gln Phe Thr Ser Ser Pro Phe Thr
1               5


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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 66
Arg Ala Ser Ser Ser Val Asn Tyr Ile Tyr
1               5                   10


<210> 67
<211> 7
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 67
Tyr Thr Ser Asn Leu Ala Pro
1 5

<210> 68
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 68
Gln Gln Phe Thr Ser Ser Pro Phe Thr
1 5

<210> 69

<400> 69
000

<210> 70

<400> 70
000

<210> 71

<400> 71
000

<210> 72

<400> 72
000

<210> 73

<400> 73
000

<210> 74

<400> 74
000

<210> 75
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 75
Ala Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys Ala Ala Ala
1 5 10

<210> 76
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 76
Ala Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys
1 5 10 15

Ala Ala Ala

<210> 77
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 77
Ala Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys
1               5                   10                  15

Glu Ala Ala Ala Lys Ala Ala Ala
            20

<210> 78
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 78
Ala Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys
1               5                   10                  15

Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys Ala Ala Ala
            20                  25

<210> 79

<400> 79
000

<210> 80

<400> 80
000

<210> 81

<400> 81
000

<210> 82

<400> 82
000

<210> 83

<400> 83
000

<210> 84

<400> 84
000

<210> 85

<400> 85
000

<210> 86

<400> 86
000

<210> 87

<400> 87
000

<210> 88

<400> 88
000

<210> 89

<400> 89
000

<210> 90

<400> 90
000

<210> 91

<400> 91
000

<210> 92
<211> 390
<212> PRT
<213> Homo sapiens

<400> 92
Met Pro Pro Ser Gly Leu Arg Leu Leu Leu Leu Leu Leu Pro Leu Leu
1               5                  10                  15

Trp Leu Leu Val Leu Thr Pro Gly Arg Pro Ala Ala Gly Leu Ser Thr
            20                  25                  30

Cys Lys Thr Ile Asp Met Glu Leu Val Lys Arg Lys Arg Ile Glu Ala
        35                  40                  45

Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser Pro Pro Ser
    50                  55                  60

Gln Gly Glu Val Pro Pro Gly Pro Leu Pro Glu Ala Val Leu Ala Leu
65                  70                  75                  80

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

Pro Glu Pro Glu Ala Asp Tyr Tyr Ala Lys Glu Val Thr Arg Val Leu
            100                 105                 110

Met Val Glu Thr His Asn Glu Ile Tyr Asp Lys Phe Lys Gln Ser Thr
        115                 120                 125

His Ser Ile Tyr Met Phe Phe Asn Thr Ser Glu Leu Arg Glu Ala Val
    130                 135                 140

Pro Glu Pro Val Leu Leu Ser Arg Ala Glu Leu Arg Leu Leu Arg Leu
145                 150                 155                 160

Lys Leu Lys Val Glu Gln His Val Glu Leu Tyr Gln Lys Tyr Ser Asn
                165                 170                 175

Asn Ser Trp Arg Tyr Leu Ser Asn Arg Leu Leu Ala Pro Ser Asp Ser
            180                 185                 190

```
Pro Glu Trp Leu Ser Phe Asp Val Thr Gly Val Val Arg Gln Trp Leu
        195                 200                 205

Ser Arg Gly Gly Glu Ile Glu Gly Phe Arg Leu Ser Ala His Cys Ser
    210                 215                 220

Cys Asp Ser Arg Asp Asn Thr Leu Gln Val Asp Ile Asn Gly Phe Thr
225                 230                 235                 240

Thr Gly Arg Arg Gly Asp Leu Ala Thr Ile His Gly Met Asn Arg Pro
                245                 250                 255

Phe Leu Leu Leu Met Ala Thr Pro Leu Glu Arg Ala Gln His Leu Gln
            260                 265                 270

Ser Ser Arg His Arg Arg Ala Leu Asp Thr Asn Tyr Cys Phe Ser Ser
        275                 280                 285

Thr Glu Lys Asn Cys Cys Val Arg Gln Leu Tyr Ile Asp Phe Arg Lys
    290                 295                 300

Asp Leu Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His Ala Asn
305                 310                 315                 320

Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr Gln Tyr
                325                 330                 335

Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala Ser Ala
            340                 345                 350

Ala Pro Cys Cys Val Pro Gln Ala Leu Glu Pro Leu Pro Ile Val Tyr
        355                 360                 365

Tyr Val Gly Arg Lys Pro Lys Val Glu Gln Leu Ser Asn Met Ile Val
    370                 375                 380

Arg Ser Cys Lys Cys Ser
385                 390
```

<210> 93
<211> 414
<212> PRT
<213> Homo sapiens

<400> 93
Met His Tyr Cys Val Leu Ser Ala Phe Leu Ile Leu His Leu Val Thr
1               5                  10                  15

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

Met Arg Lys Arg Ile Glu Ala Ile Arg Gly Gln Ile Leu Ser Lys Leu
        35                  40                  45

Lys Leu Thr Ser Pro Pro Glu Asp Tyr Pro Glu Pro Glu Glu Val Pro
    50                  55                  60

Pro Glu Val Ile Ser Ile Tyr Asn Ser Thr Arg Asp Leu Leu Gln Glu
65                  70                  75                  80

Lys Ala Ser Arg Arg Ala Ala Ala Cys Glu Arg Glu Arg Ser Asp Glu
                85                  90                  95

Glu Tyr Tyr Ala Lys Glu Val Tyr Lys Ile Asp Met Pro Pro Phe Phe
            100                 105                 110

Pro Ser Glu Asn Ala Ile Pro Pro Thr Phe Tyr Arg Pro Tyr Phe Arg
        115                 120                 125

Ile Val Arg Phe Asp Val Ser Ala Met Glu Lys Asn Ala Ser Asn Leu
    130                 135                 140

Val Lys Ala Glu Phe Arg Val Phe Arg Leu Gln Asn Pro Lys Ala Arg
145                 150                 155                 160

Val Pro Glu Gln Arg Ile Glu Leu Tyr Gln Ile Leu Lys Ser Lys Asp
                165                 170                 175

Leu Thr Ser Pro Thr Gln Arg Tyr Ile Asp Ser Lys Val Val Lys Thr
            180                 185                 190

```
Arg Ala Glu Gly Glu Trp Leu Ser Phe Asp Val Thr Asp Ala Val His
        195                 200                 205

Glu Trp Leu His His Lys Asp Arg Asn Leu Gly Phe Lys Ile Ser Leu
    210                 215                 220

His Cys Pro Cys Cys Thr Phe Val Pro Ser Asn Asn Tyr Ile Ile Pro
225                 230                 235                 240

Asn Lys Ser Glu Glu Leu Glu Ala Arg Phe Ala Gly Ile Asp Gly Thr
                245                 250                 255

Ser Thr Tyr Thr Ser Gly Asp Gln Lys Thr Ile Lys Ser Thr Arg Lys
            260                 265                 270

Lys Asn Ser Gly Lys Thr Pro His Leu Leu Leu Met Leu Leu Pro Ser
        275                 280                 285

Tyr Arg Leu Glu Ser Gln Gln Thr Asn Arg Arg Lys Lys Arg Ala Leu
    290                 295                 300

Asp Ala Ala Tyr Cys Phe Arg Asn Val Gln Asp Asn Cys Cys Leu Arg
305                 310                 315                 320

Pro Leu Tyr Ile Asp Phe Lys Arg Asp Leu Gly Trp Lys Trp Ile His
                325                 330                 335

Glu Pro Lys Gly Tyr Asn Ala Asn Phe Cys Ala Gly Ala Cys Pro Tyr
            340                 345                 350

Leu Trp Ser Ser Asp Thr Gln His Ser Arg Val Leu Ser Leu Tyr Asn
        355                 360                 365

Thr Ile Asn Pro Glu Ala Ser Ala Ser Pro Cys Cys Val Ser Gln Asp
    370                 375                 380

Leu Glu Pro Leu Thr Ile Leu Tyr Tyr Ile Gly Lys Thr Pro Lys Ile
385                 390                 395                 400
```

```
Glu Gln Leu Ser Asn Met Ile Val Lys Ser Cys Lys Cys Ser
                405                 410


<210> 94
<211> 412
<212> PRT
<213> Homo sapiens

<400> 94
Met Lys Met His Leu Gln Arg Ala Leu Val Val Leu Ala Leu Leu Asn
1               5                   10                  15


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


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


Ser Lys Leu Arg Leu Thr Ser Pro Pro Glu Pro Thr Val Met Thr His
    50                  55                  60


Val Pro Tyr Gln Val Leu Ala Leu Tyr Asn Ser Thr Arg Glu Leu Leu
65                  70                  75                  80


Glu Glu Met His Gly Glu Arg Glu Glu Gly Cys Thr Gln Glu Asn Thr
                85                  90                  95


Glu Ser Glu Tyr Tyr Ala Lys Glu Ile His Lys Phe Asp Met Ile Gln
            100                 105                 110


Gly Leu Ala Glu His Asn Glu Leu Ala Val Cys Pro Lys Gly Ile Thr
        115                 120                 125


Ser Lys Val Phe Arg Phe Asn Val Ser Ser Val Glu Lys Asn Arg Thr
    130                 135                 140


Asn Leu Phe Arg Ala Glu Phe Arg Val Leu Arg Val Pro Asn Pro Ser
145                 150                 155                 160


Ser Lys Arg Asn Glu Gln Arg Ile Glu Leu Phe Gln Ile Leu Arg Pro
                165                 170                 175
```

```
Asp Glu His Ile Ala Lys Gln Arg Tyr Ile Gly Gly Lys Asn Leu Pro
            180                 185                 190

Thr Arg Gly Thr Ala Glu Trp Leu Ser Phe Asp Val Thr Asp Thr Val
        195                 200                 205

Arg Glu Trp Leu Leu Arg Arg Glu Ser Asn Leu Gly Leu Glu Ile Ser
    210                 215                 220

Ile His Cys Pro Cys His Thr Phe Gln Pro Asn Gly Asp Ile Leu Glu
225                 230                 235                 240

Asn Ile His Glu Val Met Glu Ile Lys Phe Lys Gly Val Asp Asn Glu
                245                 250                 255

Asp Asp His Gly Arg Gly Asp Leu Gly Arg Leu Lys Lys Gln Lys Asp
            260                 265                 270

His His Asn Pro His Leu Ile Leu Met Met Ile Pro Pro His Arg Leu
        275                 280                 285

Asp Asn Pro Gly Gln Gly Gly Gln Arg Lys Lys Arg Ala Leu Asp Thr
    290                 295                 300

Asn Tyr Cys Phe Arg Asn Leu Glu Glu Asn Cys Cys Val Arg Pro Leu
305                 310                 315                 320

Tyr Ile Asp Phe Arg Gln Asp Leu Gly Trp Lys Trp Val His Glu Pro
                325                 330                 335

Lys Gly Tyr Tyr Ala Asn Phe Cys Ser Gly Pro Cys Pro Tyr Leu Arg
            340                 345                 350

Ser Ala Asp Thr Thr His Ser Thr Val Leu Gly Leu Tyr Asn Thr Leu
        355                 360                 365

Asn Pro Glu Ala Ser Ala Ser Pro Cys Cys Val Pro Gln Asp Leu Glu
    370                 375                 380
```

Pro Leu Thr Ile Leu Tyr Tyr Val Gly Arg Thr Pro Lys Val Glu Gln
385 390 395 400

Leu Ser Asn Met Val Val Lys Ser Cys Lys Cys Ser
405 410

<210> 95
<211> 503
<212> PRT
<213> Homo sapiens

<400> 95
Met Glu Ala Ala Val Ala Ala Pro Arg Pro Arg Leu Leu Leu Leu Val
1 5 10 15

Leu Ala Ala Ala Ala Ala Ala Ala Ala Ala Leu Leu Pro Gly Ala Thr
20 25 30

Ala Leu Gln Cys Phe Cys His Leu Cys Thr Lys Asp Asn Phe Thr Cys
35 40 45

Val Thr Asp Gly Leu Cys Phe Val Ser Val Thr Glu Thr Thr Asp Lys
50 55 60

Val Ile His Asn Ser Met Cys Ile Ala Glu Ile Asp Leu Ile Pro Arg
65 70 75 80

Asp Arg Pro Phe Val Cys Ala Pro Ser Ser Lys Thr Gly Ser Val Thr
85 90 95

Thr Thr Tyr Cys Cys Asn Gln Asp His Cys Asn Lys Ile Glu Leu Pro
100 105 110

Thr Thr Val Lys Ser Ser Pro Gly Leu Gly Pro Val Glu Leu Ala Ala
115 120 125

Val Ile Ala Gly Pro Val Cys Phe Val Cys Ile Ser Leu Met Leu Met
130 135 140

Val Tyr Ile Cys His Asn Arg Thr Val Ile His His Arg Val Pro Asn
145 150 155 160

```
Glu Glu Asp Pro Ser Leu Asp Arg Pro Phe Ile Ser Glu Gly Thr Thr
                165                 170                 175

Leu Lys Asp Leu Ile Tyr Asp Met Thr Thr Ser Gly Ser Gly Ser Gly
            180                 185                 190

Leu Pro Leu Leu Val Gln Arg Thr Ile Ala Arg Thr Ile Val Leu Gln
        195                 200                 205

Glu Ser Ile Gly Lys Gly Arg Phe Gly Glu Val Trp Arg Gly Lys Trp
    210                 215                 220

Arg Gly Glu Glu Val Ala Val Lys Ile Phe Ser Ser Arg Glu Glu Arg
225                 230                 235                 240

Ser Trp Phe Arg Glu Ala Glu Ile Tyr Gln Thr Val Met Leu Arg His
                245                 250                 255

Glu Asn Ile Leu Gly Phe Ile Ala Ala Asp Asn Lys Asp Asn Gly Thr
            260                 265                 270

Trp Thr Gln Leu Trp Leu Val Ser Asp Tyr His Glu His Gly Ser Leu
        275                 280                 285

Phe Asp Tyr Leu Asn Arg Tyr Thr Val Thr Val Glu Gly Met Ile Lys
    290                 295                 300

Leu Ala Leu Ser Thr Ala Ser Gly Leu Ala His Leu His Met Glu Ile
305                 310                 315                 320

Val Gly Thr Gln Gly Lys Pro Ala Ile Ala His Arg Asp Leu Lys Ser
                325                 330                 335

Lys Asn Ile Leu Val Lys Lys Asn Gly Thr Cys Cys Ile Ala Asp Leu
            340                 345                 350

Gly Leu Ala Val Arg His Asp Ser Ala Thr Asp Thr Ile Asp Ile Ala
        355                 360                 365
```

Pro Asn His Arg Val Gly Thr Lys Arg Tyr Met Ala Pro Glu Val Leu
370 375 380

Asp Asp Ser Ile Asn Met Lys His Phe Glu Ser Phe Lys Arg Ala Asp
385 390 395 400

Ile Tyr Ala Met Gly Leu Val Phe Trp Glu Ile Ala Arg Arg Cys Ser
405 410 415

Ile Gly Gly Ile His Glu Asp Tyr Gln Leu Pro Tyr Tyr Asp Leu Val
420 425 430

Pro Ser Asp Pro Ser Val Glu Glu Met Arg Lys Val Val Cys Glu Gln
435 440 445

Lys Leu Arg Pro Asn Ile Pro Asn Arg Trp Gln Ser Cys Glu Ala Leu
450 455 460

Arg Val Met Ala Lys Ile Met Arg Glu Cys Trp Tyr Ala Asn Gly Ala
465 470 475 480

Ala Arg Leu Thr Ala Leu Arg Ile Lys Lys Thr Leu Ser Gln Leu Ser
485 490 495

Gln Gln Glu Gly Ile Lys Met
500

<210> 96
<211> 507
<212> PRT
<213> Homo sapiens

<400> 96
Met Glu Ala Ala Val Ala Ala Pro Arg Pro Arg Leu Leu Leu Leu Val
1 5 10 15

Leu Ala Ala Ala Ala Ala Ala Ala Ala Ala Leu Leu Pro Gly Ala Thr
20 25 30

Ala Leu Gln Cys Phe Cys His Leu Cys Thr Lys Asp Asn Phe Thr Cys
35 40 45

```
Val Thr Asp Gly Leu Cys Phe Val Ser Val Thr Glu Thr Thr Asp Lys
    50                  55                  60

Val Ile His Asn Ser Met Cys Ile Ala Glu Ile Asp Leu Ile Pro Arg
65                  70                  75                  80

Asp Arg Pro Phe Val Cys Ala Pro Ser Ser Lys Thr Gly Ser Val Thr
                85                  90                  95

Thr Thr Tyr Cys Cys Asn Gln Asp His Cys Asn Lys Ile Glu Leu Pro
            100                 105                 110

Thr Thr Gly Pro Phe Ser Val Lys Ser Ser Pro Gly Leu Gly Pro Val
        115                 120                 125

Glu Leu Ala Ala Val Ile Ala Gly Pro Val Cys Phe Val Cys Ile Ser
    130                 135                 140

Leu Met Leu Met Val Tyr Ile Cys His Asn Arg Thr Val Ile His His
145                 150                 155                 160

Arg Val Pro Asn Glu Glu Asp Pro Ser Leu Asp Arg Pro Phe Ile Ser
                165                 170                 175

Glu Gly Thr Thr Leu Lys Asp Leu Ile Tyr Asp Met Thr Thr Ser Gly
            180                 185                 190

Ser Gly Ser Gly Leu Pro Leu Leu Val Gln Arg Thr Ile Ala Arg Thr
        195                 200                 205

Ile Val Leu Gln Glu Ser Ile Gly Lys Gly Arg Phe Gly Glu Val Trp
    210                 215                 220

Arg Gly Lys Trp Arg Gly Glu Glu Val Ala Val Lys Ile Phe Ser Ser
225                 230                 235                 240

Arg Glu Glu Arg Ser Trp Phe Arg Glu Ala Glu Ile Tyr Gln Thr Val
                245                 250                 255
```

```
Met Leu Arg His Glu Asn Ile Leu Gly Phe Ile Ala Ala Asp Asn Lys
            260                 265                 270

Asp Asn Gly Thr Trp Thr Gln Leu Trp Leu Val Ser Asp Tyr His Glu
        275                 280                 285

His Gly Ser Leu Phe Asp Tyr Leu Asn Arg Tyr Thr Val Thr Val Glu
    290                 295                 300

Gly Met Ile Lys Leu Ala Leu Ser Thr Ala Ser Gly Leu Ala His Leu
305                 310                 315                 320

His Met Glu Ile Val Gly Thr Gln Gly Lys Pro Ala Ile Ala His Arg
                325                 330                 335

Asp Leu Lys Ser Lys Asn Ile Leu Val Lys Lys Asn Gly Thr Cys Cys
            340                 345                 350

Ile Ala Asp Leu Gly Leu Ala Val Arg His Asp Ser Ala Thr Asp Thr
        355                 360                 365

Ile Asp Ile Ala Pro Asn His Arg Val Gly Thr Lys Arg Tyr Met Ala
    370                 375                 380

Pro Glu Val Leu Asp Asp Ser Ile Asn Met Lys His Phe Glu Ser Phe
385                 390                 395                 400

Lys Arg Ala Asp Ile Tyr Ala Met Gly Leu Val Phe Trp Glu Ile Ala
                405                 410                 415

Arg Arg Cys Ser Ile Gly Gly Ile His Glu Asp Tyr Gln Leu Pro Tyr
            420                 425                 430

Tyr Asp Leu Val Pro Ser Asp Pro Ser Val Glu Glu Met Arg Lys Val
        435                 440                 445

Val Cys Glu Gln Lys Leu Arg Pro Asn Ile Pro Asn Arg Trp Gln Ser
    450                 455                 460
```

```
Cys Glu Ala Leu Arg Val Met Ala Lys Ile Met Arg Glu Cys Trp Tyr
465                 470                 475                 480


Ala Asn Gly Ala Ala Arg Leu Thr Ala Leu Arg Ile Lys Lys Thr Leu
                485                 490                 495


Ser Gln Leu Ser Gln Gln Glu Gly Ile Lys Met
            500                 505
```

<210> 97
<211> 426
<212> PRT
<213> Homo sapiens

<400> 97

```
Met Glu Ala Ala Val Ala Ala Pro Arg Pro Arg Leu Leu Leu Leu Val
1               5                   10                  15


Leu Ala Ala Ala Ala Ala Ala Ala Ala Ala Leu Leu Pro Gly Ala Thr
            20                  25                  30


Ala Leu Gln Cys Phe Cys His Leu Cys Thr Lys Asp Asn Phe Thr Cys
        35                  40                  45


Val Thr Asp Gly Leu Cys Phe Val Ser Val Thr Glu Thr Thr Asp Lys
    50                  55                  60


Val Ile His Asn Ser Met Cys Ile Ala Glu Ile Asp Leu Ile Pro Arg
65                  70                  75                  80


Asp Arg Pro Phe Val Cys Ala Pro Ser Ser Lys Thr Gly Ser Val Thr
                85                  90                  95


Thr Thr Tyr Cys Cys Asn Gln Asp His Cys Asn Lys Ile Glu Leu Pro
            100                 105                 110


Thr Thr Gly Leu Pro Leu Leu Val Gln Arg Thr Ile Ala Arg Thr Ile
        115                 120                 125


Val Leu Gln Glu Ser Ile Gly Lys Gly Arg Phe Gly Glu Val Trp Arg
    130                 135                 140
```

```
Gly Lys Trp Arg Gly Glu Glu Val Ala Val Lys Ile Phe Ser Ser Arg
145                 150                 155                 160

Glu Glu Arg Ser Trp Phe Arg Glu Ala Glu Ile Tyr Gln Thr Val Met
                165                 170                 175

Leu Arg His Glu Asn Ile Leu Gly Phe Ile Ala Ala Asp Asn Lys Asp
            180                 185                 190

Asn Gly Thr Trp Thr Gln Leu Trp Leu Val Ser Asp Tyr His Glu His
        195                 200                 205

Gly Ser Leu Phe Asp Tyr Leu Asn Arg Tyr Thr Val Thr Val Glu Gly
    210                 215                 220

Met Ile Lys Leu Ala Leu Ser Thr Ala Ser Gly Leu Ala His Leu His
225                 230                 235                 240

Met Glu Ile Val Gly Thr Gln Gly Lys Pro Ala Ile Ala His Arg Asp
                245                 250                 255

Leu Lys Ser Lys Asn Ile Leu Val Lys Lys Asn Gly Thr Cys Cys Ile
            260                 265                 270

Ala Asp Leu Gly Leu Ala Val Arg His Asp Ser Ala Thr Asp Thr Ile
        275                 280                 285

Asp Ile Ala Pro Asn His Arg Val Gly Thr Lys Arg Tyr Met Ala Pro
    290                 295                 300

Glu Val Leu Asp Asp Ser Ile Asn Met Lys His Phe Glu Ser Phe Lys
305                 310                 315                 320

Arg Ala Asp Ile Tyr Ala Met Gly Leu Val Phe Trp Glu Ile Ala Arg
                325                 330                 335

Arg Cys Ser Ile Gly Gly Ile His Glu Asp Tyr Gln Leu Pro Tyr Tyr
            340                 345                 350
```

Asp Leu Val Pro Ser Asp Pro Ser Val Glu Glu Met Arg Lys Val Val
355 360 365

Cys Glu Gln Lys Leu Arg Pro Asn Ile Pro Asn Arg Trp Gln Ser Cys
370 375 380

Glu Ala Leu Arg Val Met Ala Lys Ile Met Arg Glu Cys Trp Tyr Ala
385 390 395 400

Asn Gly Ala Ala Arg Leu Thr Ala Leu Arg Ile Lys Lys Thr Leu Ser
405 410 415

Gln Leu Ser Gln Gln Glu Gly Ile Lys Met
420 425

<210> 98
<211> 567
<212> PRT
<213> Homo sapiens

<400> 98
Met Gly Arg Gly Leu Leu Arg Gly Leu Trp Pro Leu His Ile Val Leu
1 5 10 15

Trp Thr Arg Ile Ala Ser Thr Ile Pro Pro His Val Gln Lys Ser Val
20 25 30

Asn Asn Asp Met Ile Val Thr Asp Asn Asn Gly Ala Val Lys Phe Pro
35 40 45

Gln Leu Cys Lys Phe Cys Asp Val Arg Phe Ser Thr Cys Asp Asn Gln
50 55 60

Lys Ser Cys Met Ser Asn Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro
65 70 75 80

Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr
85 90 95

Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His Asp Phe Ile
100 105 110

```
Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu Lys Lys Lys
        115                 120                 125

Pro Gly Glu Thr Phe Phe Met Cys Ser Cys Ser Ser Asp Glu Cys Asn
    130                 135                 140

Asp Asn Ile Ile Phe Ser Glu Glu Tyr Asn Thr Ser Asn Pro Asp Leu
145                 150                 155                 160

Leu Leu Val Ile Phe Gln Val Thr Gly Ile Ser Leu Leu Pro Pro Leu
                165                 170                 175

Gly Val Ala Ile Ser Val Ile Ile Ile Phe Tyr Cys Tyr Arg Val Asn
            180                 185                 190

Arg Gln Gln Lys Leu Ser Ser Thr Trp Glu Thr Gly Lys Thr Arg Lys
        195                 200                 205

Leu Met Glu Phe Ser Glu His Cys Ala Ile Ile Leu Glu Asp Asp Arg
    210                 215                 220

Ser Asp Ile Ser Ser Thr Cys Ala Asn Asn Ile Asn His Asn Thr Glu
225                 230                 235                 240

Leu Leu Pro Ile Glu Leu Asp Thr Leu Val Gly Lys Gly Arg Phe Ala
                245                 250                 255

Glu Val Tyr Lys Ala Lys Leu Lys Gln Asn Thr Ser Glu Gln Phe Glu
            260                 265                 270

Thr Val Ala Val Lys Ile Phe Pro Tyr Glu Glu Tyr Ala Ser Trp Lys
        275                 280                 285

Thr Glu Lys Asp Ile Phe Ser Asp Ile Asn Leu Lys His Glu Asn Ile
    290                 295                 300

Leu Gln Phe Leu Thr Ala Glu Glu Arg Lys Thr Glu Leu Gly Lys Gln
305                 310                 315                 320
```

```
Tyr Trp Leu Ile Thr Ala Phe His Ala Lys Gly Asn Leu Gln Glu Tyr
                325                 330                 335

Leu Thr Arg His Val Ile Ser Trp Glu Asp Leu Arg Lys Leu Gly Ser
            340                 345                 350

Ser Leu Ala Arg Gly Ile Ala His Leu His Ser Asp His Thr Pro Cys
        355                 360                 365

Gly Arg Pro Lys Met Pro Ile Val His Arg Asp Leu Lys Ser Ser Asn
    370                 375                 380

Ile Leu Val Lys Asn Asp Leu Thr Cys Cys Leu Cys Asp Phe Gly Leu
385                 390                 395                 400

Ser Leu Arg Leu Asp Pro Thr Leu Ser Val Asp Asp Leu Ala Asn Ser
                405                 410                 415

Gly Gln Val Gly Thr Ala Arg Tyr Met Ala Pro Glu Val Leu Glu Ser
            420                 425                 430

Arg Met Asn Leu Glu Asn Val Glu Ser Phe Lys Gln Thr Asp Val Tyr
        435                 440                 445

Ser Met Ala Leu Val Leu Trp Glu Met Thr Ser Arg Cys Asn Ala Val
    450                 455                 460

Gly Glu Val Lys Asp Tyr Glu Pro Pro Phe Gly Ser Lys Val Arg Glu
465                 470                 475                 480

His Pro Cys Val Glu Ser Met Lys Asp Asn Val Leu Arg Asp Arg Gly
                485                 490                 495

Arg Pro Glu Ile Pro Ser Phe Trp Leu Asn His Gln Gly Ile Gln Met
            500                 505                 510

Val Cys Glu Thr Leu Thr Glu Cys Trp Asp His Asp Pro Glu Ala Arg
        515                 520                 525

Leu Thr Ala Gln Cys Val Ala Glu Arg Phe Ser Glu Leu Glu His Leu
```

```
    530                 535                 540

Asp Arg Leu Ser Gly Arg Ser Cys Ser Glu Glu Lys Ile Pro Glu Asp
545                 550                 555                 560

Gly Ser Leu Asn Thr Thr Lys
                565
```

<210> 99
<211> 592
<212> PRT
<213> Homo sapiens

<400> 99

```
Met Gly Arg Gly Leu Leu Arg Gly Leu Trp Pro Leu His Ile Val Leu
1               5                   10                  15

Trp Thr Arg Ile Ala Ser Thr Ile Pro Pro His Val Gln Lys Ser Asp
            20                  25                  30

Val Glu Met Glu Ala Gln Lys Asp Glu Ile Ile Cys Pro Ser Cys Asn
        35                  40                  45

Arg Thr Ala His Pro Leu Arg His Ile Asn Asn Asp Met Ile Val Thr
    50                  55                  60

Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys Asp
65                  70                  75                  80

Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn Cys
                85                  90                  95

Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala Val
            100                 105                 110

Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys His Asp
        115                 120                 125

Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro
    130                 135                 140
```

```
Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe Met
145                 150                 155                 160

Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe Ser Glu
                165                 170                 175

Glu Tyr Asn Thr Ser Asn Pro Asp Leu Leu Leu Val Ile Phe Gln Val
            180                 185                 190

Thr Gly Ile Ser Leu Leu Pro Pro Leu Gly Val Ala Ile Ser Val Ile
        195                 200                 205

Ile Ile Phe Tyr Cys Tyr Arg Val Asn Arg Gln Gln Lys Leu Ser Ser
    210                 215                 220

Thr Trp Glu Thr Gly Lys Thr Arg Lys Leu Met Glu Phe Ser Glu His
225                 230                 235                 240

Cys Ala Ile Ile Leu Glu Asp Asp Arg Ser Asp Ile Ser Ser Thr Cys
                245                 250                 255

Ala Asn Asn Ile Asn His Asn Thr Glu Leu Leu Pro Ile Glu Leu Asp
            260                 265                 270

Thr Leu Val Gly Lys Gly Arg Phe Ala Glu Val Tyr Lys Ala Lys Leu
        275                 280                 285

Lys Gln Asn Thr Ser Glu Gln Phe Glu Thr Val Ala Val Lys Ile Phe
    290                 295                 300

Pro Tyr Glu Glu Tyr Ala Ser Trp Lys Thr Glu Lys Asp Ile Phe Ser
305                 310                 315                 320

Asp Ile Asn Leu Lys His Glu Asn Ile Leu Gln Phe Leu Thr Ala Glu
                325                 330                 335

Glu Arg Lys Thr Glu Leu Gly Lys Gln Tyr Trp Leu Ile Thr Ala Phe
            340                 345                 350

His Ala Lys Gly Asn Leu Gln Glu Tyr Leu Thr Arg His Val Ile Ser
```

```
        355                 360                 365

Trp Glu Asp Leu Arg Lys Leu Gly Ser Ser Leu Ala Arg Gly Ile Ala
    370                 375                 380

His Leu His Ser Asp His Thr Pro Cys Gly Arg Pro Lys Met Pro Ile
385                 390                 395                 400

Val His Arg Asp Leu Lys Ser Ser Asn Ile Leu Val Lys Asn Asp Leu
                405                 410                 415

Thr Cys Cys Leu Cys Asp Phe Gly Leu Ser Leu Arg Leu Asp Pro Thr
            420                 425                 430

Leu Ser Val Asp Asp Leu Ala Asn Ser Gly Gln Val Gly Thr Ala Arg
        435                 440                 445

Tyr Met Ala Pro Glu Val Leu Glu Ser Arg Met Asn Leu Glu Asn Val
    450                 455                 460

Glu Ser Phe Lys Gln Thr Asp Val Tyr Ser Met Ala Leu Val Leu Trp
465                 470                 475                 480

Glu Met Thr Ser Arg Cys Asn Ala Val Gly Glu Val Lys Asp Tyr Glu
                485                 490                 495

Pro Pro Phe Gly Ser Lys Val Arg Glu His Pro Cys Val Glu Ser Met
            500                 505                 510

Lys Asp Asn Val Leu Arg Asp Arg Gly Arg Pro Glu Ile Pro Ser Phe
        515                 520                 525

Trp Leu Asn His Gln Gly Ile Gln Met Val Cys Glu Thr Leu Thr Glu
    530                 535                 540

Cys Trp Asp His Asp Pro Glu Ala Arg Leu Thr Ala Gln Cys Val Ala
545                 550                 555                 560

Glu Arg Phe Ser Glu Leu Glu His Leu Asp Arg Leu Ser Gly Arg Ser
                565                 570                 575
```

```
Cys Ser Glu Glu Lys Ile Pro Glu Asp Gly Ser Leu Asn Thr Thr Lys
            580                 585                 590


<210> 100
<211> 137
<212> PRT
<213> Homo sapiens

<400> 100
Thr Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile Val
1               5                   10                  15


Thr Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys
            20                  25                  30


Asp Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn
        35                  40                  45


Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala
    50                  55                  60


Val Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys His
65                  70                  75                  80


Asp Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser
                85                  90                  95


Pro Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe
            100                 105                 110


Met Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe Ser
        115                 120                 125


Glu Glu Tyr Asn Thr Ser Asn Pro Asp
    130                 135


<210> 101
<211> 136
<212> PRT
<213> Homo sapiens
```

<400> 101
Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile Val Thr
1               5                  10                  15

Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys Asp
            20                  25                  30

Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn Cys
        35                  40                  45

Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala Val
    50                  55                  60

Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys His Asp
65                  70                  75                  80

Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro
                85                  90                  95

Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe Met
            100                 105                 110

Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe Ser Glu
        115                 120                 125

Glu Tyr Asn Thr Ser Asn Pro Asp
    130                 135

<210> 102
<211> 162
<212> PRT
<213> Homo sapiens

<400> 102
Thr Ile Pro Pro His Val Gln Lys Ser Asp Val Glu Met Glu Ala Gln
1               5                  10                  15

Lys Asp Glu Ile Ile Cys Pro Ser Cys Asn Arg Thr Ala His Pro Leu
            20                  25                  30

Arg His Ile Asn Asn Asp Met Ile Val Thr Asp Asn Asn Gly Ala Val
        35                  40                  45

```
Lys Phe Pro Gln Leu Cys Lys Phe Cys Asp Val Arg Phe Ser Thr Cys
    50                  55                  60

Asp Asn Gln Lys Ser Cys Met Ser Asn Cys Ser Ile Thr Ser Ile Cys
65                  70                  75                  80

Glu Lys Pro Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu
                85                  90                  95

Asn Ile Thr Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His
            100                 105                 110

Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu
        115                 120                 125

Lys Lys Lys Pro Gly Glu Thr Phe Phe Met Cys Ser Cys Ser Ser Asp
    130                 135                 140

Glu Cys Asn Asp Asn Ile Ile Phe Ser Glu Glu Tyr Asn Thr Ser Asn
145                 150                 155                 160

Pro Asp
```

<210> 103
<211> 101
<212> PRT
<213> Homo sapiens

<400> 103

```
Gln Leu Cys Lys Phe Cys Asp Val Arg Phe Ser Thr Cys Asp Asn Gln
1               5                   10                  15

Lys Ser Cys Met Ser Asn Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro
            20                  25                  30

Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr
        35                  40                  45

Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His Asp Phe Ile
```

```
    50                  55                  60

Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu Lys Lys Lys
65                  70                  75                  80

Pro Gly Glu Thr Phe Phe Met Cys Ser Cys Ser Ser Asp Glu Cys Asn
                85                  90                  95

Asp Asn Ile Ile Phe
            100
```

<210> 104
<211> 93
<212> PRT
<213> Homo sapiens

<400> 104

```
Leu Gln Cys Phe Cys His Leu Cys Thr Lys Asp Asn Phe Thr Cys Val
1               5                   10                  15

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

Ile His Asn Ser Met Cys Ile Ala Glu Ile Asp Leu Ile Pro Arg Asp
        35                  40                  45

Arg Pro Phe Val Cys Ala Pro Ser Ser Lys Thr Gly Ser Val Thr Thr
    50                  55                  60

Thr Tyr Cys Cys Asn Gln Asp His Cys Asn Lys Ile Glu Leu Pro Thr
65                  70                  75                  80

Thr Val Lys Ser Ser Pro Gly Leu Gly Pro Val Glu Leu
                85                  90
```

<210> 105
<211> 79
<212> PRT
<213> Homo sapiens

<400> 105

```
Ala Leu Gln Cys Phe Cys His Leu Cys Thr Lys Asp Asn Phe Thr Cys
1               5                   10                  15
```

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

Val Ile His Asn Ser Met Cys Ile Ala Glu Ile Asp Leu Ile Pro Arg
        35                  40                  45

Asp Arg Pro Phe Val Cys Ala Pro Ser Ser Lys Thr Gly Ser Val Thr
    50                  55                  60

Thr Thr Tyr Cys Cys Asn Gln Asp His Cys Asn Lys Ile Glu Leu
65                  70                  75

<210> 106
<211> 851
<212> PRT
<213> Homo sapiens

<400> 106
Met Thr Ser His Tyr Val Ile Ala Ile Phe Ala Leu Met Ser Ser Cys
1               5                   10                  15

Leu Ala Thr Ala Gly Pro Glu Pro Gly Ala Leu Cys Glu Leu Ser Pro
            20                  25                  30

Val Ser Ala Ser His Pro Val Gln Ala Leu Met Glu Ser Phe Thr Val
        35                  40                  45

Leu Ser Gly Cys Ala Ser Arg Gly Thr Thr Gly Leu Pro Gln Glu Val
    50                  55                  60

His Val Leu Asn Leu Arg Thr Ala Gly Gln Gly Pro Gly Gln Leu Gln
65                  70                  75                  80

Arg Glu Val Thr Leu His Leu Asn Pro Ile Ser Ser Val His Ile His
                85                  90                  95

His Lys Ser Val Val Phe Leu Leu Asn Ser Pro His Pro Leu Val Trp
            100                 105                 110

His Leu Lys Thr Glu Arg Leu Ala Thr Gly Val Ser Arg Leu Phe Leu

```
        115                 120                 125

Val Ser Glu Gly Ser Val Val Gln Phe Ser Ser Ala Asn Phe Ser Leu
    130                 135                 140

Thr Ala Glu Thr Glu Glu Arg Asn Phe Pro His Gly Asn Glu His Leu
145                 150                 155                 160

Leu Asn Trp Ala Arg Lys Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu
                165                 170                 175

Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val
            180                 185                 190

Phe Pro Pro Lys Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu Asn Tyr
        195                 200                 205

Leu Ala Glu Tyr Leu Gln Pro Lys Ala Ala Glu Gly Cys Val Met Ser
    210                 215                 220

Ser Gln Pro Gln Asn Glu Glu Val His Ile Ile Glu Leu Ile Thr Pro
225                 230                 235                 240

Asn Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp Ile Thr Ile Asp Ile
                245                 250                 255

Arg Pro Ser Gln Glu Asp Leu Glu Val Val Lys Asn Leu Ile Leu Ile
            260                 265                 270

Leu Lys Cys Lys Lys Ser Val Asn Trp Val Ile Lys Ser Phe Asp Val
        275                 280                 285

Lys Gly Ser Leu Lys Ile Ile Ala Pro Asn Ser Ile Gly Phe Gly Lys
    290                 295                 300

Glu Ser Glu Arg Ser Met Thr Met Thr Lys Ser Ile Arg Asp Asp Ile
305                 310                 315                 320

Pro Ser Thr Gln Gly Asn Leu Val Lys Trp Ala Leu Asp Asn Gly Tyr
                325                 330                 335
```

```
Ser Pro Ile Thr Ser Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His
            340                 345                 350

Leu Arg Leu Glu Asn Asn Ala Glu Glu Met Gly Asp Glu Glu Val His
        355                 360                 365

Thr Ile Pro Pro Glu Leu Arg Ile Leu Leu Asp Pro Gly Ala Leu Pro
    370                 375                 380

Ala Leu Gln Asn Pro Pro Ile Arg Gly Gly Glu Gly Gln Asn Gly Gly
385                 390                 395                 400

Leu Pro Phe Pro Phe Pro Asp Ile Ser Arg Arg Val Trp Asn Glu Glu
                405                 410                 415

Gly Glu Asp Gly Leu Pro Arg Pro Lys Asp Pro Val Ile Pro Ser Ile
            420                 425                 430

Gln Leu Phe Pro Gly Leu Arg Glu Pro Glu Glu Val Gln Gly Ser Val
        435                 440                 445

Asp Ile Ala Leu Ser Val Lys Cys Asp Asn Glu Lys Met Ile Val Ala
    450                 455                 460

Val Glu Lys Asp Ser Phe Gln Ala Ser Gly Tyr Ser Gly Met Asp Val
465                 470                 475                 480

Thr Leu Leu Asp Pro Thr Cys Lys Ala Lys Met Asn Gly Thr His Phe
                485                 490                 495

Val Leu Glu Ser Pro Leu Asn Gly Cys Gly Thr Arg Pro Arg Trp Ser
            500                 505                 510

Ala Leu Asp Gly Val Val Tyr Tyr Asn Ser Ile Val Ile Gln Val Pro
        515                 520                 525

Ala Leu Gly Asp Ser Ser Gly Trp Pro Asp Gly Tyr Glu Asp Leu Glu
    530                 535                 540
```

```
Ser Gly Asp Asn Gly Phe Pro Gly Asp Met Asp Glu Gly Asp Ala Ser
545                 550                 555                 560

Leu Phe Thr Arg Pro Glu Ile Val Val Phe Asn Cys Ser Leu Gln Gln
                565                 570                 575

Val Arg Asn Pro Ser Ser Phe Gln Glu Gln Pro His Gly Asn Ile Thr
            580                 585                 590

Phe Asn Met Glu Leu Tyr Asn Thr Asp Leu Phe Leu Val Pro Ser Gln
        595                 600                 605

Gly Val Phe Ser Val Pro Glu Asn Gly His Val Tyr Val Glu Val Ser
    610                 615                 620

Val Thr Lys Ala Glu Gln Glu Leu Gly Phe Ala Ile Gln Thr Cys Phe
625                 630                 635                 640

Ile Ser Pro Tyr Ser Asn Pro Asp Arg Met Ser His Tyr Thr Ile Ile
                645                 650                 655

Glu Asn Ile Cys Pro Lys Asp Glu Ser Val Lys Phe Tyr Ser Pro Lys
            660                 665                 670

Arg Val His Phe Pro Ile Pro Gln Ala Asp Met Asp Lys Lys Arg Phe
        675                 680                 685

Ser Phe Val Phe Lys Pro Val Phe Asn Thr Ser Leu Leu Phe Leu Gln
    690                 695                 700

Cys Glu Leu Thr Leu Cys Thr Lys Met Glu Lys His Pro Gln Lys Leu
705                 710                 715                 720

Pro Lys Cys Val Pro Pro Asp Glu Ala Cys Thr Ser Leu Asp Ala Ser
                725                 730                 735

Ile Ile Trp Ala Met Met Gln Asn Lys Lys Thr Phe Thr Lys Pro Leu
            740                 745                 750
```

```
Ala Val Ile His His Glu Ala Glu Ser Lys Glu Lys Gly Pro Ser Met
        755                 760                 765

Lys Glu Pro Asn Pro Ile Ser Pro Pro Ile Phe His Gly Leu Asp Thr
    770                 775                 780

Leu Thr Val Met Gly Ile Ala Phe Ala Ala Phe Val Ile Gly Ala Leu
785                 790                 795                 800

Leu Thr Gly Ala Leu Trp Tyr Ile Tyr Ser His Thr Gly Glu Thr Ala
                805                 810                 815

Gly Arg Gln Gln Val Pro Thr Ser Pro Pro Ala Ser Glu Asn Ser Ser
            820                 825                 830

Ala Ala His Ser Ile Gly Ser Thr Gln Ser Thr Pro Cys Ser Ser Ser
        835                 840                 845

Ser Thr Ala
    850
```

<210> 107
<211> 850
<212> PRT
<213> Homo sapiens

<400> 107

```
Met Thr Ser His Tyr Val Ile Ala Ile Phe Ala Leu Met Ser Ser Cys
1               5                   10                  15

Leu Ala Thr Ala Gly Pro Glu Pro Gly Ala Leu Cys Glu Leu Ser Pro
            20                  25                  30

Val Ser Ala Ser His Pro Val Gln Ala Leu Met Glu Ser Phe Thr Val
        35                  40                  45

Leu Ser Gly Cys Ala Ser Arg Gly Thr Thr Gly Leu Pro Gln Glu Val
    50                  55                  60

His Val Leu Asn Leu Arg Thr Ala Gly Gln Gly Pro Gly Gln Leu Gln
65                  70                  75                  80
```

```
Arg Glu Val Thr Leu His Leu Asn Pro Ile Ser Ser Val His Ile His
                85                  90                  95

His Lys Ser Val Val Phe Leu Leu Asn Ser Pro His Pro Leu Val Trp
            100                 105                 110

His Leu Lys Thr Glu Arg Leu Ala Thr Gly Val Ser Arg Leu Phe Leu
        115                 120                 125

Val Ser Glu Gly Ser Val Val Gln Phe Ser Ser Ala Asn Phe Ser Leu
    130                 135                 140

Thr Ala Glu Thr Glu Glu Arg Asn Phe Pro His Gly Asn Glu His Leu
145                 150                 155                 160

Leu Asn Trp Ala Arg Lys Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu
                165                 170                 175

Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val
            180                 185                 190

Phe Pro Pro Lys Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu Asn Tyr
        195                 200                 205

Leu Ala Glu Tyr Leu Gln Pro Lys Ala Ala Glu Gly Cys Val Met Ser
    210                 215                 220

Ser Gln Pro Gln Asn Glu Glu Val His Ile Ile Glu Leu Ile Thr Pro
225                 230                 235                 240

Asn Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp Ile Thr Ile Asp Ile
                245                 250                 255

Arg Pro Ser Gln Glu Asp Leu Glu Val Val Lys Asn Leu Ile Leu Ile
            260                 265                 270

Leu Lys Cys Lys Lys Ser Val Asn Trp Val Ile Lys Ser Phe Asp Val
        275                 280                 285
```

```
Lys Gly Ser Leu Lys Ile Ile Ala Pro Asn Ser Ile Gly Phe Gly Lys
    290                 295                 300

Glu Ser Glu Arg Ser Met Thr Met Thr Lys Ser Ile Arg Asp Asp Ile
305                 310                 315                 320

Pro Ser Thr Gln Gly Asn Leu Val Lys Trp Ala Leu Asp Asn Gly Tyr
                325                 330                 335

Ser Pro Ile Thr Ser Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His
            340                 345                 350

Leu Arg Leu Glu Asn Asn Glu Glu Met Gly Asp Glu Glu Val His Thr
        355                 360                 365

Ile Pro Pro Glu Leu Arg Ile Leu Leu Asp Pro Gly Ala Leu Pro Ala
    370                 375                 380

Leu Gln Asn Pro Pro Ile Arg Gly Gly Glu Gly Gln Asn Gly Gly Leu
385                 390                 395                 400

Pro Phe Pro Phe Pro Asp Ile Ser Arg Arg Val Trp Asn Glu Glu Gly
                405                 410                 415

Glu Asp Gly Leu Pro Arg Pro Lys Asp Pro Val Ile Pro Ser Ile Gln
            420                 425                 430

Leu Phe Pro Gly Leu Arg Glu Pro Glu Glu Val Gln Gly Ser Val Asp
        435                 440                 445

Ile Ala Leu Ser Val Lys Cys Asp Asn Glu Lys Met Ile Val Ala Val
    450                 455                 460

Glu Lys Asp Ser Phe Gln Ala Ser Gly Tyr Ser Gly Met Asp Val Thr
465                 470                 475                 480

Leu Leu Asp Pro Thr Cys Lys Ala Lys Met Asn Gly Thr His Phe Val
                485                 490                 495

Leu Glu Ser Pro Leu Asn Gly Cys Gly Thr Arg Pro Arg Trp Ser Ala
```

```
            500                 505                 510

Leu Asp Gly Val Val Tyr Tyr Asn Ser Ile Val Ile Gln Val Pro Ala
        515                 520                 525

Leu Gly Asp Ser Ser Gly Trp Pro Asp Gly Tyr Glu Asp Leu Glu Ser
    530                 535                 540

Gly Asp Asn Gly Phe Pro Gly Asp Met Asp Glu Gly Asp Ala Ser Leu
545                 550                 555                 560

Phe Thr Arg Pro Glu Ile Val Val Phe Asn Cys Ser Leu Gln Gln Val
                565                 570                 575

Arg Asn Pro Ser Ser Phe Gln Glu Gln Pro His Gly Asn Ile Thr Phe
            580                 585                 590

Asn Met Glu Leu Tyr Asn Thr Asp Leu Phe Leu Val Pro Ser Gln Gly
        595                 600                 605

Val Phe Ser Val Pro Glu Asn Gly His Val Tyr Val Glu Val Ser Val
    610                 615                 620

Thr Lys Ala Glu Gln Glu Leu Gly Phe Ala Ile Gln Thr Cys Phe Ile
625                 630                 635                 640

Ser Pro Tyr Ser Asn Pro Asp Arg Met Ser His Tyr Thr Ile Ile Glu
                645                 650                 655

Asn Ile Cys Pro Lys Asp Glu Ser Val Lys Phe Tyr Ser Pro Lys Arg
            660                 665                 670

Val His Phe Pro Ile Pro Gln Ala Asp Met Asp Lys Lys Arg Phe Ser
        675                 680                 685

Phe Val Phe Lys Pro Val Phe Asn Thr Ser Leu Leu Phe Leu Gln Cys
    690                 695                 700

Glu Leu Thr Leu Cys Thr Lys Met Glu Lys His Pro Gln Lys Leu Pro
705                 710                 715                 720
```

```
Lys Cys Val Pro Pro Asp Glu Ala Cys Thr Ser Leu Asp Ala Ser Ile
                725                 730                 735

Ile Trp Ala Met Met Gln Asn Lys Lys Thr Phe Thr Lys Pro Leu Ala
            740                 745                 750

Val Ile His His Glu Ala Glu Ser Lys Glu Lys Gly Pro Ser Met Lys
        755                 760                 765

Glu Pro Asn Pro Ile Ser Pro Pro Ile Phe His Gly Leu Asp Thr Leu
    770                 775                 780

Thr Val Met Gly Ile Ala Phe Ala Ala Phe Val Ile Gly Ala Leu Leu
785                 790                 795                 800

Thr Gly Ala Leu Trp Tyr Ile Tyr Ser His Thr Gly Glu Thr Ala Gly
                805                 810                 815

Arg Gln Gln Val Pro Thr Ser Pro Pro Ala Ser Glu Asn Ser Ser Ala
            820                 825                 830

Ala His Ser Ile Gly Ser Thr Gln Ser Thr Pro Cys Ser Ser Ser Ser
        835                 840                 845

Thr Ala
    850
```

<210> 108
<211> 767
<212> PRT
<213> Homo sapiens

<400> 108

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

His Pro Val Gln Ala Leu Met Glu Ser Phe Thr Val Leu Ser Gly Cys
            20                  25                  30

Ala Ser Arg Gly Thr Thr Gly Leu Pro Gln Glu Val His Val Leu Asn
```

```
        35                  40                  45

Leu Arg Thr Ala Gly Gln Gly Pro Gly Gln Leu Gln Arg Glu Val Thr
    50                  55                  60

Leu His Leu Asn Pro Ile Ser Ser Val His Ile His His Lys Ser Val
65                  70                  75                  80

Val Phe Leu Leu Asn Ser Pro His Pro Leu Val Trp His Leu Lys Thr
                85                  90                  95

Glu Arg Leu Ala Thr Gly Val Ser Arg Leu Phe Leu Val Ser Glu Gly
            100                 105                 110

Ser Val Val Gln Phe Ser Ser Ala Asn Phe Ser Leu Thr Ala Glu Thr
        115                 120                 125

Glu Glu Arg Asn Phe Pro His Gly Asn Glu His Leu Leu Asn Trp Ala
    130                 135                 140

Arg Lys Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu Leu Lys Ile Ala
145                 150                 155                 160

Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val Phe Pro Pro Lys
                165                 170                 175

Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu Asn Tyr Leu Ala Glu Tyr
            180                 185                 190

Leu Gln Pro Lys Ala Ala Glu Gly Cys Val Met Ser Ser Gln Pro Gln
        195                 200                 205

Asn Glu Glu Val His Ile Ile Glu Leu Ile Thr Pro Asn Ser Asn Pro
    210                 215                 220

Tyr Ser Ala Phe Gln Val Asp Ile Thr Ile Asp Ile Arg Pro Ser Gln
225                 230                 235                 240

Glu Asp Leu Glu Val Val Lys Asn Leu Ile Leu Ile Leu Lys Cys Lys
                245                 250                 255
```

```
Lys Ser Val Asn Trp Val Ile Lys Ser Phe Asp Val Lys Gly Ser Leu
            260                 265                 270

Lys Ile Ile Ala Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser Glu Arg
        275                 280                 285

Ser Met Thr Met Thr Lys Ser Ile Arg Asp Asp Ile Pro Ser Thr Gln
    290                 295                 300

Gly Asn Leu Val Lys Trp Ala Leu Asp Asn Gly Tyr Ser Pro Ile Thr
305                 310                 315                 320

Ser Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His Leu Arg Leu Glu
                325                 330                 335

Asn Asn Ala Glu Glu Met Gly Asp Glu Glu Val His Thr Ile Pro Pro
            340                 345                 350

Glu Leu Arg Ile Leu Leu Asp Pro Gly Ala Leu Pro Ala Leu Gln Asn
        355                 360                 365

Pro Pro Ile Arg Gly Gly Glu Gly Gln Asn Gly Gly Leu Pro Phe Pro
    370                 375                 380

Phe Pro Asp Ile Ser Arg Arg Val Trp Asn Glu Glu Gly Glu Asp Gly
385                 390                 395                 400

Leu Pro Arg Pro Lys Asp Pro Val Ile Pro Ser Ile Gln Leu Phe Pro
                405                 410                 415

Gly Leu Arg Glu Pro Glu Glu Val Gln Gly Ser Val Asp Ile Ala Leu
            420                 425                 430

Ser Val Lys Cys Asp Asn Glu Lys Met Ile Val Ala Val Glu Lys Asp
        435                 440                 445

Ser Phe Gln Ala Ser Gly Tyr Ser Gly Met Asp Val Thr Leu Leu Asp
    450                 455                 460
```

```
Pro Thr Cys Lys Ala Lys Met Asn Gly Thr His Phe Val Leu Glu Ser
465                 470                 475                 480

Pro Leu Asn Gly Cys Gly Thr Arg Pro Arg Trp Ser Ala Leu Asp Gly
                485                 490                 495

Val Val Tyr Tyr Asn Ser Ile Val Ile Gln Val Pro Ala Leu Gly Asp
            500                 505                 510

Ser Ser Gly Trp Pro Asp Gly Tyr Glu Asp Leu Glu Ser Gly Asp Asn
        515                 520                 525

Gly Phe Pro Gly Asp Met Asp Glu Gly Asp Ala Ser Leu Phe Thr Arg
    530                 535                 540

Pro Glu Ile Val Val Phe Asn Cys Ser Leu Gln Gln Val Arg Asn Pro
545                 550                 555                 560

Ser Ser Phe Gln Glu Gln Pro His Gly Asn Ile Thr Phe Asn Met Glu
                565                 570                 575

Leu Tyr Asn Thr Asp Leu Phe Leu Val Pro Ser Gln Gly Val Phe Ser
            580                 585                 590

Val Pro Glu Asn Gly His Val Tyr Val Glu Val Ser Val Thr Lys Ala
        595                 600                 605

Glu Gln Glu Leu Gly Phe Ala Ile Gln Thr Cys Phe Ile Ser Pro Tyr
    610                 615                 620

Ser Asn Pro Asp Arg Met Ser His Tyr Thr Ile Ile Glu Asn Ile Cys
625                 630                 635                 640

Pro Lys Asp Glu Ser Val Lys Phe Tyr Ser Pro Lys Arg Val His Phe
                645                 650                 655

Pro Ile Pro Gln Ala Asp Met Asp Lys Lys Arg Phe Ser Phe Val Phe
            660                 665                 670
```

Lys Pro Val Phe Asn Thr Ser Leu Leu Phe Leu Gln Cys Glu Leu Thr
675 680 685

Leu Cys Thr Lys Met Glu Lys His Pro Gln Lys Leu Pro Lys Cys Val
690 695 700

Pro Pro Asp Glu Ala Cys Thr Ser Leu Asp Ala Ser Ile Ile Trp Ala
705 710 715 720

Met Met Gln Asn Lys Lys Thr Phe Thr Lys Pro Leu Ala Val Ile His
725 730 735

His Glu Ala Glu Ser Lys Glu Lys Gly Pro Ser Met Lys Glu Pro Asn
740 745 750

Pro Ile Ser Pro Pro Ile Phe His Gly Leu Asp Thr Leu Thr Val
755 760 765

<210> 109

<400> 109
000

<210> 110

<400> 110
000

<210> 111

<400> 111
000

<210> 112

<400> 112
000

<210> 113

<400> 113
000

<210> 114

<400> 114
000


<210> 115

<400> 115
000


<210> 116

<400> 116
000


<210> 117
<211> 361
<212> PRT
<213> Homo sapiens

<400> 117
Leu Ser Thr Cys Lys Thr Ile Asp Met Glu Leu Val Lys Arg Lys Arg
1               5                  10                  15


Ile Glu Ala Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser
            20                  25                  30


Pro Pro Ser Gln Gly Glu Val Pro Pro Gly Pro Leu Pro Glu Ala Val
        35                  40                  45


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


Glu Pro Glu Pro Glu Pro Glu Ala Asp Tyr Tyr Ala Lys Glu Val Thr
65                  70                  75                  80


Arg Val Leu Met Val Glu Thr His Asn Glu Ile Tyr Asp Lys Phe Lys
                85                  90                  95


Gln Ser Thr His Ser Ile Tyr Met Phe Phe Asn Thr Ser Glu Leu Arg
            100                 105                 110

```
Glu Ala Val Pro Glu Pro Val Leu Leu Ser Arg Ala Glu Leu Arg Leu
        115                 120                 125

Leu Arg Leu Lys Leu Lys Val Glu Gln His Val Glu Leu Tyr Gln Lys
    130                 135                 140

Tyr Ser Asn Asn Ser Trp Arg Tyr Leu Ser Asn Arg Leu Leu Ala Pro
145                 150                 155                 160

Ser Asp Ser Pro Glu Trp Leu Ser Phe Asp Val Thr Gly Val Val Arg
                165                 170                 175

Gln Trp Leu Ser Arg Gly Gly Glu Ile Glu Gly Phe Arg Leu Ser Ala
            180                 185                 190

His Cys Ser Cys Asp Ser Arg Asp Asn Thr Leu Gln Val Asp Ile Asn
        195                 200                 205

Gly Phe Thr Thr Gly Arg Arg Gly Asp Leu Ala Thr Ile His Gly Met
    210                 215                 220

Asn Arg Pro Phe Leu Leu Leu Met Ala Thr Pro Leu Glu Arg Ala Gln
225                 230                 235                 240

His Leu Gln Ser Ser Arg His Arg Arg Ala Leu Asp Thr Asn Tyr Cys
                245                 250                 255

Phe Ser Ser Thr Glu Lys Asn Cys Cys Val Arg Gln Leu Tyr Ile Asp
            260                 265                 270

Phe Arg Lys Asp Leu Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr
        275                 280                 285

His Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp
    290                 295                 300

Thr Gln Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly
305                 310                 315                 320

Ala Ser Ala Ala Pro Cys Cys Val Pro Gln Ala Leu Glu Pro Leu Pro
```

```
                325                 330                 335

Ile Val Tyr Tyr Val Gly Arg Lys Pro Lys Val Glu Gln Leu Ser Asn
            340                 345                 350

Met Ile Val Arg Ser Cys Lys Cys Ser
        355                 360
```

<210> 118
<211> 394
<212> PRT
<213> Homo sapiens

<400> 118

```
Leu Ser Thr Cys Ser Thr Leu Asp Met Asp Gln Phe Met Arg Lys Arg
1               5                   10                  15

Ile Glu Ala Ile Arg Gly Gln Ile Leu Ser Lys Leu Lys Leu Thr Ser
            20                  25                  30

Pro Pro Glu Asp Tyr Pro Glu Pro Glu Glu Val Pro Pro Glu Val Ile
        35                  40                  45

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

Arg Ala Ala Ala Cys Glu Arg Glu Arg Ser Asp Glu Glu Tyr Tyr Ala
65                  70                  75                  80

Lys Glu Val Tyr Lys Ile Asp Met Pro Pro Phe Phe Pro Ser Glu Asn
                85                  90                  95

Ala Ile Pro Pro Thr Phe Tyr Arg Pro Tyr Phe Arg Ile Val Arg Phe
            100                 105                 110

Asp Val Ser Ala Met Glu Lys Asn Ala Ser Asn Leu Val Lys Ala Glu
        115                 120                 125

Phe Arg Val Phe Arg Leu Gln Asn Pro Lys Ala Arg Val Pro Glu Gln
    130                 135                 140
```

```
Arg Ile Glu Leu Tyr Gln Ile Leu Lys Ser Lys Asp Leu Thr Ser Pro
145                 150                 155                 160

Thr Gln Arg Tyr Ile Asp Ser Lys Val Val Lys Thr Arg Ala Glu Gly
                165                 170                 175

Glu Trp Leu Ser Phe Asp Val Thr Asp Ala Val His Glu Trp Leu His
            180                 185                 190

His Lys Asp Arg Asn Leu Gly Phe Lys Ile Ser Leu His Cys Pro Cys
        195                 200                 205

Cys Thr Phe Val Pro Ser Asn Asn Tyr Ile Ile Pro Asn Lys Ser Glu
    210                 215                 220

Glu Leu Glu Ala Arg Phe Ala Gly Ile Asp Gly Thr Ser Thr Tyr Thr
225                 230                 235                 240

Ser Gly Asp Gln Lys Thr Ile Lys Ser Thr Arg Lys Lys Asn Ser Gly
                245                 250                 255

Lys Thr Pro His Leu Leu Leu Met Leu Leu Pro Ser Tyr Arg Leu Glu
            260                 265                 270

Ser Gln Gln Thr Asn Arg Arg Lys Lys Arg Ala Leu Asp Ala Ala Tyr
        275                 280                 285

Cys Phe Arg Asn Val Gln Asp Asn Cys Cys Leu Arg Pro Leu Tyr Ile
    290                 295                 300

Asp Phe Lys Arg Asp Leu Gly Trp Lys Trp Ile His Glu Pro Lys Gly
305                 310                 315                 320

Tyr Asn Ala Asn Phe Cys Ala Gly Ala Cys Pro Tyr Leu Trp Ser Ser
                325                 330                 335

Asp Thr Gln His Ser Arg Val Leu Ser Leu Tyr Asn Thr Ile Asn Pro
            340                 345                 350

Glu Ala Ser Ala Ser Pro Cys Cys Val Ser Gln Asp Leu Glu Pro Leu
```

```
        355                 360                 365

Thr Ile Leu Tyr Tyr Ile Gly Lys Thr Pro Lys Ile Glu Gln Leu Ser
    370                 375                 380

Asn Met Ile Val Lys Ser Cys Lys Cys Ser
385                 390
```

<210> 119
<211> 389
<212> PRT
<213> Homo sapiens

<400> 119

```
Leu Ser Thr Cys Thr Thr Leu Asp Phe Gly His Ile Lys Lys Lys Arg
1               5                   10                  15

Val Glu Ala Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Thr Ser
            20                  25                  30

Pro Pro Glu Pro Thr Val Met Thr His Val Pro Tyr Gln Val Leu Ala
        35                  40                  45

Leu Tyr Asn Ser Thr Arg Glu Leu Leu Glu Glu Met His Gly Glu Arg
    50                  55                  60

Glu Glu Gly Cys Thr Gln Glu Asn Thr Glu Ser Glu Tyr Tyr Ala Lys
65                  70                  75                  80

Glu Ile His Lys Phe Asp Met Ile Gln Gly Leu Ala Glu His Asn Glu
                85                  90                  95

Leu Ala Val Cys Pro Lys Gly Ile Thr Ser Lys Val Phe Arg Phe Asn
            100                 105                 110

Val Ser Ser Val Glu Lys Asn Arg Thr Asn Leu Phe Arg Ala Glu Phe
        115                 120                 125

Arg Val Leu Arg Val Pro Asn Pro Ser Ser Lys Arg Asn Glu Gln Arg
    130                 135                 140
```

```
Ile Glu Leu Phe Gln Ile Leu Arg Pro Asp Glu His Ile Ala Lys Gln
145                 150                 155                 160

Arg Tyr Ile Gly Gly Lys Asn Leu Pro Thr Arg Gly Thr Ala Glu Trp
                165                 170                 175

Leu Ser Phe Asp Val Thr Asp Thr Val Arg Glu Trp Leu Leu Arg Arg
            180                 185                 190

Glu Ser Asn Leu Gly Leu Glu Ile Ser Ile His Cys Pro Cys His Thr
        195                 200                 205

Phe Gln Pro Asn Gly Asp Ile Leu Glu Asn Ile His Glu Val Met Glu
    210                 215                 220

Ile Lys Phe Lys Gly Val Asp Asn Glu Asp Asp His Gly Arg Gly Asp
225                 230                 235                 240

Leu Gly Arg Leu Lys Lys Gln Lys Asp His His Asn Pro His Leu Ile
                245                 250                 255

Leu Met Met Ile Pro Pro His Arg Leu Asp Asn Pro Gly Gln Gly Gly
            260                 265                 270

Gln Arg Lys Lys Arg Ala Leu Asp Thr Asn Tyr Cys Phe Arg Asn Leu
        275                 280                 285

Glu Glu Asn Cys Cys Val Arg Pro Leu Tyr Ile Asp Phe Arg Gln Asp
    290                 295                 300

Leu Gly Trp Lys Trp Val His Glu Pro Lys Gly Tyr Tyr Ala Asn Phe
305                 310                 315                 320

Cys Ser Gly Pro Cys Pro Tyr Leu Arg Ser Ala Asp Thr Thr His Ser
                325                 330                 335

Thr Val Leu Gly Leu Tyr Asn Thr Leu Asn Pro Glu Ala Ser Ala Ser
            340                 345                 350

Pro Cys Cys Val Pro Gln Asp Leu Glu Pro Leu Thr Ile Leu Tyr Tyr
```

```
        355                 360                 365

Val Gly Arg Thr Pro Lys Val Glu Gln Leu Ser Asn Met Val Val Lys
    370                 375                 380

Ser Cys Lys Cys Ser
385
```

<210> 120
<211> 470
<212> PRT
<213> Homo sapiens

<400> 120

```
Leu Gln Cys Phe Cys His Leu Cys Thr Lys Asp Asn Phe Thr Cys Val
1               5                   10                  15

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

Ile His Asn Ser Met Cys Ile Ala Glu Ile Asp Leu Ile Pro Arg Asp
        35                  40                  45

Arg Pro Phe Val Cys Ala Pro Ser Ser Lys Thr Gly Ser Val Thr Thr
    50                  55                  60

Thr Tyr Cys Cys Asn Gln Asp His Cys Asn Lys Ile Glu Leu Pro Thr
65                  70                  75                  80

Thr Val Lys Ser Ser Pro Gly Leu Gly Pro Val Glu Leu Ala Ala Val
                85                  90                  95

Ile Ala Gly Pro Val Cys Phe Val Cys Ile Ser Leu Met Leu Met Val
            100                 105                 110

Tyr Ile Cys His Asn Arg Thr Val Ile His His Arg Val Pro Asn Glu
        115                 120                 125

Glu Asp Pro Ser Leu Asp Arg Pro Phe Ile Ser Glu Gly Thr Thr Leu
    130                 135                 140
```

```
Lys Asp Leu Ile Tyr Asp Met Thr Thr Ser Gly Ser Gly Ser Gly Leu
145                 150                 155                 160

Pro Leu Leu Val Gln Arg Thr Ile Ala Arg Thr Ile Val Leu Gln Glu
                165                 170                 175

Ser Ile Gly Lys Gly Arg Phe Gly Glu Val Trp Arg Gly Lys Trp Arg
            180                 185                 190

Gly Glu Glu Val Ala Val Lys Ile Phe Ser Ser Arg Glu Glu Arg Ser
        195                 200                 205

Trp Phe Arg Glu Ala Glu Ile Tyr Gln Thr Val Met Leu Arg His Glu
    210                 215                 220

Asn Ile Leu Gly Phe Ile Ala Ala Asp Asn Lys Asp Asn Gly Thr Trp
225                 230                 235                 240

Thr Gln Leu Trp Leu Val Ser Asp Tyr His Glu His Gly Ser Leu Phe
                245                 250                 255

Asp Tyr Leu Asn Arg Tyr Thr Val Thr Val Glu Gly Met Ile Lys Leu
            260                 265                 270

Ala Leu Ser Thr Ala Ser Gly Leu Ala His Leu His Met Glu Ile Val
        275                 280                 285

Gly Thr Gln Gly Lys Pro Ala Ile Ala His Arg Asp Leu Lys Ser Lys
    290                 295                 300

Asn Ile Leu Val Lys Lys Asn Gly Thr Cys Cys Ile Ala Asp Leu Gly
305                 310                 315                 320

Leu Ala Val Arg His Asp Ser Ala Thr Asp Thr Ile Asp Ile Ala Pro
                325                 330                 335

Asn His Arg Val Gly Thr Lys Arg Tyr Met Ala Pro Glu Val Leu Asp
            340                 345                 350

Asp Ser Ile Asn Met Lys His Phe Glu Ser Phe Lys Arg Ala Asp Ile
```

```
        355                 360                 365

Tyr Ala Met Gly Leu Val Phe Trp Glu Ile Ala Arg Arg Cys Ser Ile
    370                 375                 380

Gly Gly Ile His Glu Asp Tyr Gln Leu Pro Tyr Tyr Asp Leu Val Pro
385                 390                 395                 400

Ser Asp Pro Ser Val Glu Glu Met Arg Lys Val Val Cys Glu Gln Lys
                405                 410                 415

Leu Arg Pro Asn Ile Pro Asn Arg Trp Gln Ser Cys Glu Ala Leu Arg
            420                 425                 430

Val Met Ala Lys Ile Met Arg Glu Cys Trp Tyr Ala Asn Gly Ala Ala
        435                 440                 445

Arg Leu Thr Ala Leu Arg Ile Lys Lys Thr Leu Ser Gln Leu Ser Gln
    450                 455                 460

Gln Glu Gly Ile Lys Met
465                 470
```

<210> 121
<211> 474
<212> PRT
<213> Homo sapiens

<400> 121

```
Leu Gln Cys Phe Cys His Leu Cys Thr Lys Asp Asn Phe Thr Cys Val
1               5                   10                  15

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

Ile His Asn Ser Met Cys Ile Ala Glu Ile Asp Leu Ile Pro Arg Asp
        35                  40                  45

Arg Pro Phe Val Cys Ala Pro Ser Ser Lys Thr Gly Ser Val Thr Thr
    50                  55                  60
```

```
Thr Tyr Cys Cys Asn Gln Asp His Cys Asn Lys Ile Glu Leu Pro Thr
65                  70                  75                  80

Thr Gly Pro Phe Ser Val Lys Ser Ser Pro Gly Leu Gly Pro Val Glu
                85                  90                  95

Leu Ala Ala Val Ile Ala Gly Pro Val Cys Phe Val Cys Ile Ser Leu
            100                 105                 110

Met Leu Met Val Tyr Ile Cys His Asn Arg Thr Val Ile His His Arg
        115                 120                 125

Val Pro Asn Glu Glu Asp Pro Ser Leu Asp Arg Pro Phe Ile Ser Glu
    130                 135                 140

Gly Thr Thr Leu Lys Asp Leu Ile Tyr Asp Met Thr Thr Ser Gly Ser
145                 150                 155                 160

Gly Ser Gly Leu Pro Leu Leu Val Gln Arg Thr Ile Ala Arg Thr Ile
                165                 170                 175

Val Leu Gln Glu Ser Ile Gly Lys Gly Arg Phe Gly Glu Val Trp Arg
            180                 185                 190

Gly Lys Trp Arg Gly Glu Glu Val Ala Val Lys Ile Phe Ser Ser Arg
        195                 200                 205

Glu Glu Arg Ser Trp Phe Arg Glu Ala Glu Ile Tyr Gln Thr Val Met
    210                 215                 220

Leu Arg His Glu Asn Ile Leu Gly Phe Ile Ala Ala Asp Asn Lys Asp
225                 230                 235                 240

Asn Gly Thr Trp Thr Gln Leu Trp Leu Val Ser Asp Tyr His Glu His
                245                 250                 255

Gly Ser Leu Phe Asp Tyr Leu Asn Arg Tyr Thr Val Thr Val Glu Gly
            260                 265                 270

Met Ile Lys Leu Ala Leu Ser Thr Ala Ser Gly Leu Ala His Leu His
```

```
        275                 280                 285

Met Glu Ile Val Gly Thr Gln Gly Lys Pro Ala Ile Ala His Arg Asp
    290                 295                 300

Leu Lys Ser Lys Asn Ile Leu Val Lys Lys Asn Gly Thr Cys Cys Ile
305                 310                 315                 320

Ala Asp Leu Gly Leu Ala Val Arg His Asp Ser Ala Thr Asp Thr Ile
                325                 330                 335

Asp Ile Ala Pro Asn His Arg Val Gly Thr Lys Arg Tyr Met Ala Pro
            340                 345                 350

Glu Val Leu Asp Asp Ser Ile Asn Met Lys His Phe Glu Ser Phe Lys
        355                 360                 365

Arg Ala Asp Ile Tyr Ala Met Gly Leu Val Phe Trp Glu Ile Ala Arg
    370                 375                 380

Arg Cys Ser Ile Gly Gly Ile His Glu Asp Tyr Gln Leu Pro Tyr Tyr
385                 390                 395                 400

Asp Leu Val Pro Ser Asp Pro Ser Val Glu Glu Met Arg Lys Val Val
                405                 410                 415

Cys Glu Gln Lys Leu Arg Pro Asn Ile Pro Asn Arg Trp Gln Ser Cys
            420                 425                 430

Glu Ala Leu Arg Val Met Ala Lys Ile Met Arg Glu Cys Trp Tyr Ala
        435                 440                 445

Asn Gly Ala Ala Arg Leu Thr Ala Leu Arg Ile Lys Lys Thr Leu Ser
    450                 455                 460

Gln Leu Ser Gln Gln Glu Gly Ile Lys Met
465                 470
```

<210> 122
<211> 393

<212> PRT
<213> Homo sapiens

<400> 122
Leu Gln Cys Phe Cys His Leu Cys Thr Lys Asp Asn Phe Thr Cys Val
1               5                  10                  15

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

Ile His Asn Ser Met Cys Ile Ala Glu Ile Asp Leu Ile Pro Arg Asp
        35                  40                  45

Arg Pro Phe Val Cys Ala Pro Ser Ser Lys Thr Gly Ser Val Thr Thr
    50                  55                  60

Thr Tyr Cys Cys Asn Gln Asp His Cys Asn Lys Ile Glu Leu Pro Thr
65                  70                  75                  80

Thr Gly Leu Pro Leu Leu Val Gln Arg Thr Ile Ala Arg Thr Ile Val
                85                  90                  95

Leu Gln Glu Ser Ile Gly Lys Gly Arg Phe Gly Glu Val Trp Arg Gly
            100                 105                 110

Lys Trp Arg Gly Glu Glu Val Ala Val Lys Ile Phe Ser Ser Arg Glu
        115                 120                 125

Glu Arg Ser Trp Phe Arg Glu Ala Glu Ile Tyr Gln Thr Val Met Leu
    130                 135                 140

Arg His Glu Asn Ile Leu Gly Phe Ile Ala Ala Asp Asn Lys Asp Asn
145                 150                 155                 160

Gly Thr Trp Thr Gln Leu Trp Leu Val Ser Asp Tyr His Glu His Gly
                165                 170                 175

Ser Leu Phe Asp Tyr Leu Asn Arg Tyr Thr Val Thr Val Glu Gly Met
            180                 185                 190

Ile Lys Leu Ala Leu Ser Thr Ala Ser Gly Leu Ala His Leu His Met

```
        195                 200                 205

Glu Ile Val Gly Thr Gln Gly Lys Pro Ala Ile Ala His Arg Asp Leu
    210                 215                 220

Lys Ser Lys Asn Ile Leu Val Lys Lys Asn Gly Thr Cys Cys Ile Ala
225                 230                 235                 240

Asp Leu Gly Leu Ala Val Arg His Asp Ser Ala Thr Asp Thr Ile Asp
                245                 250                 255

Ile Ala Pro Asn His Arg Val Gly Thr Lys Arg Tyr Met Ala Pro Glu
            260                 265                 270

Val Leu Asp Asp Ser Ile Asn Met Lys His Phe Glu Ser Phe Lys Arg
        275                 280                 285

Ala Asp Ile Tyr Ala Met Gly Leu Val Phe Trp Glu Ile Ala Arg Arg
    290                 295                 300

Cys Ser Ile Gly Gly Ile His Glu Asp Tyr Gln Leu Pro Tyr Tyr Asp
305                 310                 315                 320

Leu Val Pro Ser Asp Pro Ser Val Glu Glu Met Arg Lys Val Val Cys
                325                 330                 335

Glu Gln Lys Leu Arg Pro Asn Ile Pro Asn Arg Trp Gln Ser Cys Glu
            340                 345                 350

Ala Leu Arg Val Met Ala Lys Ile Met Arg Glu Cys Trp Tyr Ala Asn
        355                 360                 365

Gly Ala Ala Arg Leu Thr Ala Leu Arg Ile Lys Lys Thr Leu Ser Gln
    370                 375                 380

Leu Ser Gln Gln Glu Gly Ile Lys Met
385                 390

<210> 123
<211> 545
```

<212> PRT
<213> Homo sapiens

<400> 123
Thr Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile Val
1               5                  10                  15

Thr Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys
            20                  25                  30

Asp Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn
        35                  40                  45

Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala
    50                  55                  60

Val Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys His
65                  70                  75                  80

Asp Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser
                85                  90                  95

Pro Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe
            100                 105                 110

Met Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe Ser
        115                 120                 125

Glu Glu Tyr Asn Thr Ser Asn Pro Asp Leu Leu Leu Val Ile Phe Gln
    130                 135                 140

Val Thr Gly Ile Ser Leu Leu Pro Pro Leu Gly Val Ala Ile Ser Val
145                 150                 155                 160

Ile Ile Ile Phe Tyr Cys Tyr Arg Val Asn Arg Gln Gln Lys Leu Ser
                165                 170                 175

Ser Thr Trp Glu Thr Gly Lys Thr Arg Lys Leu Met Glu Phe Ser Glu
            180                 185                 190

His Cys Ala Ile Ile Leu Glu Asp Asp Arg Ser Asp Ile Ser Ser Thr

```
        195                 200                 205

Cys Ala Asn Asn Ile Asn His Asn Thr Glu Leu Leu Pro Ile Glu Leu
    210                 215                 220

Asp Thr Leu Val Gly Lys Gly Arg Phe Ala Glu Val Tyr Lys Ala Lys
225                 230                 235                 240

Leu Lys Gln Asn Thr Ser Glu Gln Phe Glu Thr Val Ala Val Lys Ile
                245                 250                 255

Phe Pro Tyr Glu Glu Tyr Ala Ser Trp Lys Thr Glu Lys Asp Ile Phe
            260                 265                 270

Ser Asp Ile Asn Leu Lys His Glu Asn Ile Leu Gln Phe Leu Thr Ala
        275                 280                 285

Glu Glu Arg Lys Thr Glu Leu Gly Lys Gln Tyr Trp Leu Ile Thr Ala
    290                 295                 300

Phe His Ala Lys Gly Asn Leu Gln Glu Tyr Leu Thr Arg His Val Ile
305                 310                 315                 320

Ser Trp Glu Asp Leu Arg Lys Leu Gly Ser Ser Leu Ala Arg Gly Ile
                325                 330                 335

Ala His Leu His Ser Asp His Thr Pro Cys Gly Arg Pro Lys Met Pro
            340                 345                 350

Ile Val His Arg Asp Leu Lys Ser Ser Asn Ile Leu Val Lys Asn Asp
        355                 360                 365

Leu Thr Cys Cys Leu Cys Asp Phe Gly Leu Ser Leu Arg Leu Asp Pro
    370                 375                 380

Thr Leu Ser Val Asp Asp Leu Ala Asn Ser Gly Gln Val Gly Thr Ala
385                 390                 395                 400

Arg Tyr Met Ala Pro Glu Val Leu Glu Ser Arg Met Asn Leu Glu Asn
                405                 410                 415
```

```
Val Glu Ser Phe Lys Gln Thr Asp Val Tyr Ser Met Ala Leu Val Leu
            420                 425                 430

Trp Glu Met Thr Ser Arg Cys Asn Ala Val Gly Glu Val Lys Asp Tyr
        435                 440                 445

Glu Pro Pro Phe Gly Ser Lys Val Arg Glu His Pro Cys Val Glu Ser
    450                 455                 460

Met Lys Asp Asn Val Leu Arg Asp Arg Gly Arg Pro Glu Ile Pro Ser
465                 470                 475                 480

Phe Trp Leu Asn His Gln Gly Ile Gln Met Val Cys Glu Thr Leu Thr
                485                 490                 495

Glu Cys Trp Asp His Asp Pro Glu Ala Arg Leu Thr Ala Gln Cys Val
            500                 505                 510

Ala Glu Arg Phe Ser Glu Leu Glu His Leu Asp Arg Leu Ser Gly Arg
        515                 520                 525

Ser Cys Ser Glu Glu Lys Ile Pro Glu Asp Gly Ser Leu Asn Thr Thr
    530                 535                 540

Lys
545
```

<210> 124
<211> 570
<212> PRT
<213> Homo sapiens

```
<400> 124
Thr Ile Pro Pro His Val Gln Lys Ser Asp Val Glu Met Glu Ala Gln
1               5                   10                  15

Lys Asp Glu Ile Ile Cys Pro Ser Cys Asn Arg Thr Ala His Pro Leu
            20                  25                  30

Arg His Ile Asn Asn Asp Met Ile Val Thr Asp Asn Asn Gly Ala Val
```

```
        35                  40                  45

Lys Phe Pro Gln Leu Cys Lys Phe Cys Asp Val Arg Phe Ser Thr Cys
    50                  55                  60

Asp Asn Gln Lys Ser Cys Met Ser Asn Cys Ser Ile Thr Ser Ile Cys
65                  70                  75                  80

Glu Lys Pro Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu
                85                  90                  95

Asn Ile Thr Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His
            100                 105                 110

Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu
        115                 120                 125

Lys Lys Lys Pro Gly Glu Thr Phe Phe Met Cys Ser Cys Ser Ser Asp
    130                 135                 140

Glu Cys Asn Asp Asn Ile Ile Phe Ser Glu Glu Tyr Asn Thr Ser Asn
145                 150                 155                 160

Pro Asp Leu Leu Leu Val Ile Phe Gln Val Thr Gly Ile Ser Leu Leu
                165                 170                 175

Pro Pro Leu Gly Val Ala Ile Ser Val Ile Ile Ile Phe Tyr Cys Tyr
            180                 185                 190

Arg Val Asn Arg Gln Gln Lys Leu Ser Ser Thr Trp Glu Thr Gly Lys
        195                 200                 205

Thr Arg Lys Leu Met Glu Phe Ser Glu His Cys Ala Ile Ile Leu Glu
    210                 215                 220

Asp Asp Arg Ser Asp Ile Ser Ser Thr Cys Ala Asn Asn Ile Asn His
225                 230                 235                 240

Asn Thr Glu Leu Leu Pro Ile Glu Leu Asp Thr Leu Val Gly Lys Gly
                245                 250                 255
```

```
Arg Phe Ala Glu Val Tyr Lys Ala Lys Leu Lys Gln Asn Thr Ser Glu
            260                 265                 270

Gln Phe Glu Thr Val Ala Val Lys Ile Phe Pro Tyr Glu Glu Tyr Ala
        275                 280                 285

Ser Trp Lys Thr Glu Lys Asp Ile Phe Ser Asp Ile Asn Leu Lys His
    290                 295                 300

Glu Asn Ile Leu Gln Phe Leu Thr Ala Glu Glu Arg Lys Thr Glu Leu
305                 310                 315                 320

Gly Lys Gln Tyr Trp Leu Ile Thr Ala Phe His Ala Lys Gly Asn Leu
                325                 330                 335

Gln Glu Tyr Leu Thr Arg His Val Ile Ser Trp Glu Asp Leu Arg Lys
            340                 345                 350

Leu Gly Ser Ser Leu Ala Arg Gly Ile Ala His Leu His Ser Asp His
        355                 360                 365

Thr Pro Cys Gly Arg Pro Lys Met Pro Ile Val His Arg Asp Leu Lys
    370                 375                 380

Ser Ser Asn Ile Leu Val Lys Asn Asp Leu Thr Cys Cys Leu Cys Asp
385                 390                 395                 400

Phe Gly Leu Ser Leu Arg Leu Asp Pro Thr Leu Ser Val Asp Asp Leu
                405                 410                 415

Ala Asn Ser Gly Gln Val Gly Thr Ala Arg Tyr Met Ala Pro Glu Val
            420                 425                 430

Leu Glu Ser Arg Met Asn Leu Glu Asn Val Glu Ser Phe Lys Gln Thr
        435                 440                 445

Asp Val Tyr Ser Met Ala Leu Val Leu Trp Glu Met Thr Ser Arg Cys
    450                 455                 460
```

```
Asn Ala Val Gly Glu Val Lys Asp Tyr Glu Pro Pro Phe Gly Ser Lys
465                 470                 475                 480


Val Arg Glu His Pro Cys Val Glu Ser Met Lys Asp Asn Val Leu Arg
                485                 490                 495


Asp Arg Gly Arg Pro Glu Ile Pro Ser Phe Trp Leu Asn His Gln Gly
            500                 505                 510


Ile Gln Met Val Cys Glu Thr Leu Thr Glu Cys Trp Asp His Asp Pro
        515                 520                 525


Glu Ala Arg Leu Thr Ala Gln Cys Val Ala Glu Arg Phe Ser Glu Leu
    530                 535                 540


Glu His Leu Asp Arg Leu Ser Gly Arg Ser Cys Ser Glu Glu Lys Ile
545                 550                 555                 560


Pro Glu Asp Gly Ser Leu Asn Thr Thr Lys
                565                 570


<210> 125
<211> 831
<212> PRT
<213> Homo sapiens

<400> 125
Gly Pro Glu Pro Gly Ala Leu Cys Glu Leu Ser Pro Val Ser Ala Ser
1               5                   10                  15


His Pro Val Gln Ala Leu Met Glu Ser Phe Thr Val Leu Ser Gly Cys
            20                  25                  30


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


Leu Arg Thr Ala Gly Gln Gly Pro Gly Gln Leu Gln Arg Glu Val Thr
    50                  55                  60


Leu His Leu Asn Pro Ile Ser Ser Val His Ile His His Lys Ser Val
65                  70                  75                  80
```

```
Val Phe Leu Leu Asn Ser Pro His Pro Leu Val Trp His Leu Lys Thr
                85                  90                  95

Glu Arg Leu Ala Thr Gly Val Ser Arg Leu Phe Leu Val Ser Glu Gly
            100                 105                 110

Ser Val Val Gln Phe Ser Ser Ala Asn Phe Ser Leu Thr Ala Glu Thr
        115                 120                 125

Glu Glu Arg Asn Phe Pro His Gly Asn Glu His Leu Leu Asn Trp Ala
    130                 135                 140

Arg Lys Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu Leu Lys Ile Ala
145                 150                 155                 160

Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val Phe Pro Pro Lys
                165                 170                 175

Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu Asn Tyr Leu Ala Glu Tyr
            180                 185                 190

Leu Gln Pro Lys Ala Ala Glu Gly Cys Val Met Ser Ser Gln Pro Gln
        195                 200                 205

Asn Glu Glu Val His Ile Ile Glu Leu Ile Thr Pro Asn Ser Asn Pro
    210                 215                 220

Tyr Ser Ala Phe Gln Val Asp Ile Thr Ile Asp Ile Arg Pro Ser Gln
225                 230                 235                 240

Glu Asp Leu Glu Val Val Lys Asn Leu Ile Leu Ile Leu Lys Cys Lys
                245                 250                 255

Lys Ser Val Asn Trp Val Ile Lys Ser Phe Asp Val Lys Gly Ser Leu
            260                 265                 270

Lys Ile Ile Ala Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser Glu Arg
        275                 280                 285
```

```
Ser Met Thr Met Thr Lys Ser Ile Arg Asp Asp Ile Pro Ser Thr Gln
    290                 295                 300

Gly Asn Leu Val Lys Trp Ala Leu Asp Asn Gly Tyr Ser Pro Ile Thr
305                 310                 315                 320

Ser Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His Leu Arg Leu Glu
                325                 330                 335

Asn Asn Ala Glu Glu Met Gly Asp Glu Glu Val His Thr Ile Pro Pro
            340                 345                 350

Glu Leu Arg Ile Leu Leu Asp Pro Gly Ala Leu Pro Ala Leu Gln Asn
        355                 360                 365

Pro Pro Ile Arg Gly Gly Glu Gly Gln Asn Gly Gly Leu Pro Phe Pro
    370                 375                 380

Phe Pro Asp Ile Ser Arg Arg Val Trp Asn Glu Glu Gly Glu Asp Gly
385                 390                 395                 400

Leu Pro Arg Pro Lys Asp Pro Val Ile Pro Ser Ile Gln Leu Phe Pro
                405                 410                 415

Gly Leu Arg Glu Pro Glu Glu Val Gln Gly Ser Val Asp Ile Ala Leu
            420                 425                 430

Ser Val Lys Cys Asp Asn Glu Lys Met Ile Val Ala Val Glu Lys Asp
        435                 440                 445

Ser Phe Gln Ala Ser Gly Tyr Ser Gly Met Asp Val Thr Leu Leu Asp
    450                 455                 460

Pro Thr Cys Lys Ala Lys Met Asn Gly Thr His Phe Val Leu Glu Ser
465                 470                 475                 480

Pro Leu Asn Gly Cys Gly Thr Arg Pro Arg Trp Ser Ala Leu Asp Gly
                485                 490                 495
```

```
Val Val Tyr Tyr Asn Ser Ile Val Ile Gln Val Pro Ala Leu Gly Asp
            500                 505                 510

Ser Ser Gly Trp Pro Asp Gly Tyr Glu Asp Leu Glu Ser Gly Asp Asn
        515                 520                 525

Gly Phe Pro Gly Asp Met Asp Glu Gly Asp Ala Ser Leu Phe Thr Arg
    530                 535                 540

Pro Glu Ile Val Val Phe Asn Cys Ser Leu Gln Gln Val Arg Asn Pro
545                 550                 555                 560

Ser Ser Phe Gln Glu Gln Pro His Gly Asn Ile Thr Phe Asn Met Glu
                565                 570                 575

Leu Tyr Asn Thr Asp Leu Phe Leu Val Pro Ser Gln Gly Val Phe Ser
            580                 585                 590

Val Pro Glu Asn Gly His Val Tyr Val Glu Val Ser Val Thr Lys Ala
        595                 600                 605

Glu Gln Glu Leu Gly Phe Ala Ile Gln Thr Cys Phe Ile Ser Pro Tyr
    610                 615                 620

Ser Asn Pro Asp Arg Met Ser His Tyr Thr Ile Ile Glu Asn Ile Cys
625                 630                 635                 640

Pro Lys Asp Glu Ser Val Lys Phe Tyr Ser Pro Lys Arg Val His Phe
                645                 650                 655

Pro Ile Pro Gln Ala Asp Met Asp Lys Lys Arg Phe Ser Phe Val Phe
            660                 665                 670

Lys Pro Val Phe Asn Thr Ser Leu Leu Phe Leu Gln Cys Glu Leu Thr
        675                 680                 685

Leu Cys Thr Lys Met Glu Lys His Pro Gln Lys Leu Pro Lys Cys Val
    690                 695                 700

Pro Pro Asp Glu Ala Cys Thr Ser Leu Asp Ala Ser Ile Ile Trp Ala
```

705 710 715 720

Met Met Gln Asn Lys Lys Thr Phe Thr Lys Pro Leu Ala Val Ile His
725 730 735

His Glu Ala Glu Ser Lys Glu Lys Gly Pro Ser Met Lys Glu Pro Asn
740 745 750

Pro Ile Ser Pro Pro Ile Phe His Gly Leu Asp Thr Leu Thr Val Met
755 760 765

Gly Ile Ala Phe Ala Ala Phe Val Ile Gly Ala Leu Leu Thr Gly Ala
770 775 780

Leu Trp Tyr Ile Tyr Ser His Thr Gly Glu Thr Ala Gly Arg Gln Gln
785 790 795 800

Val Pro Thr Ser Pro Pro Ala Ser Glu Asn Ser Ser Ala Ala His Ser
805 810 815

Ile Gly Ser Thr Gln Ser Thr Pro Cys Ser Ser Ser Ser Thr Ala
820 825 830

<210> 126
<211> 830
<212> PRT
<213> Homo sapiens

<400> 126
Gly Pro Glu Pro Gly Ala Leu Cys Glu Leu Ser Pro Val Ser Ala Ser
1 5 10 15

His Pro Val Gln Ala Leu Met Glu Ser Phe Thr Val Leu Ser Gly Cys
20 25 30

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

Leu Arg Thr Ala Gly Gln Gly Pro Gly Gln Leu Gln Arg Glu Val Thr
50 55 60

```
Leu His Leu Asn Pro Ile Ser Ser Val His Ile His His Lys Ser Val
65                  70                  75                  80

Val Phe Leu Leu Asn Ser Pro His Pro Leu Val Trp His Leu Lys Thr
                85                  90                  95

Glu Arg Leu Ala Thr Gly Val Ser Arg Leu Phe Leu Val Ser Glu Gly
            100                 105                 110

Ser Val Val Gln Phe Ser Ser Ala Asn Phe Ser Leu Thr Ala Glu Thr
        115                 120                 125

Glu Glu Arg Asn Phe Pro His Gly Asn Glu His Leu Leu Asn Trp Ala
    130                 135                 140

Arg Lys Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu Leu Lys Ile Ala
145                 150                 155                 160

Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val Phe Pro Pro Lys
                165                 170                 175

Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu Asn Tyr Leu Ala Glu Tyr
            180                 185                 190

Leu Gln Pro Lys Ala Ala Glu Gly Cys Val Met Ser Ser Gln Pro Gln
        195                 200                 205

Asn Glu Glu Val His Ile Ile Glu Leu Ile Thr Pro Asn Ser Asn Pro
    210                 215                 220

Tyr Ser Ala Phe Gln Val Asp Ile Thr Ile Asp Ile Arg Pro Ser Gln
225                 230                 235                 240

Glu Asp Leu Glu Val Val Lys Asn Leu Ile Leu Ile Leu Lys Cys Lys
                245                 250                 255

Lys Ser Val Asn Trp Val Ile Lys Ser Phe Asp Val Lys Gly Ser Leu
            260                 265                 270

Lys Ile Ile Ala Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser Glu Arg
```

```
        275                 280                 285

Ser Met Thr Met Thr Lys Ser Ile Arg Asp Asp Ile Pro Ser Thr Gln
    290                 295                 300

Gly Asn Leu Val Lys Trp Ala Leu Asp Asn Gly Tyr Ser Pro Ile Thr
305                 310                 315                 320

Ser Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His Leu Arg Leu Glu
                325                 330                 335

Asn Asn Glu Glu Met Gly Asp Glu Glu Val His Thr Ile Pro Pro Glu
            340                 345                 350

Leu Arg Ile Leu Leu Asp Pro Gly Ala Leu Pro Ala Leu Gln Asn Pro
        355                 360                 365

Pro Ile Arg Gly Gly Glu Gly Gln Asn Gly Gly Leu Pro Phe Pro Phe
    370                 375                 380

Pro Asp Ile Ser Arg Arg Val Trp Asn Glu Glu Gly Glu Asp Gly Leu
385                 390                 395                 400

Pro Arg Pro Lys Asp Pro Val Ile Pro Ser Ile Gln Leu Phe Pro Gly
                405                 410                 415

Leu Arg Glu Pro Glu Glu Val Gln Gly Ser Val Asp Ile Ala Leu Ser
            420                 425                 430

Val Lys Cys Asp Asn Glu Lys Met Ile Val Ala Val Glu Lys Asp Ser
        435                 440                 445

Phe Gln Ala Ser Gly Tyr Ser Gly Met Asp Val Thr Leu Leu Asp Pro
    450                 455                 460

Thr Cys Lys Ala Lys Met Asn Gly Thr His Phe Val Leu Glu Ser Pro
465                 470                 475                 480

Leu Asn Gly Cys Gly Thr Arg Pro Arg Trp Ser Ala Leu Asp Gly Val
                485                 490                 495
```

```
Val Tyr Tyr Asn Ser Ile Val Ile Gln Val Pro Ala Leu Gly Asp Ser
            500                 505                 510

Ser Gly Trp Pro Asp Gly Tyr Glu Asp Leu Glu Ser Gly Asp Asn Gly
        515                 520                 525

Phe Pro Gly Asp Met Asp Glu Gly Asp Ala Ser Leu Phe Thr Arg Pro
    530                 535                 540

Glu Ile Val Val Phe Asn Cys Ser Leu Gln Gln Val Arg Asn Pro Ser
545                 550                 555                 560

Ser Phe Gln Glu Gln Pro His Gly Asn Ile Thr Phe Asn Met Glu Leu
                565                 570                 575

Tyr Asn Thr Asp Leu Phe Leu Val Pro Ser Gln Gly Val Phe Ser Val
            580                 585                 590

Pro Glu Asn Gly His Val Tyr Val Glu Val Ser Val Thr Lys Ala Glu
        595                 600                 605

Gln Glu Leu Gly Phe Ala Ile Gln Thr Cys Phe Ile Ser Pro Tyr Ser
    610                 615                 620

Asn Pro Asp Arg Met Ser His Tyr Thr Ile Ile Glu Asn Ile Cys Pro
625                 630                 635                 640

Lys Asp Glu Ser Val Lys Phe Tyr Ser Pro Lys Arg Val His Phe Pro
                645                 650                 655

Ile Pro Gln Ala Asp Met Asp Lys Lys Arg Phe Ser Phe Val Phe Lys
            660                 665                 670

Pro Val Phe Asn Thr Ser Leu Leu Phe Leu Gln Cys Glu Leu Thr Leu
        675                 680                 685

Cys Thr Lys Met Glu Lys His Pro Gln Lys Leu Pro Lys Cys Val Pro
    690                 695                 700
```

Pro Asp Glu Ala Cys Thr Ser Leu Asp Ala Ser Ile Ile Trp Ala Met
705 710 715 720

Met Gln Asn Lys Lys Thr Phe Thr Lys Pro Leu Ala Val Ile His His
725 730 735

Glu Ala Glu Ser Lys Glu Lys Gly Pro Ser Met Lys Glu Pro Asn Pro
740 745 750

Ile Ser Pro Pro Ile Phe His Gly Leu Asp Thr Leu Thr Val Met Gly
755 760 765

Ile Ala Phe Ala Ala Phe Val Ile Gly Ala Leu Leu Thr Gly Ala Leu
770 775 780

Trp Tyr Ile Tyr Ser His Thr Gly Glu Thr Ala Gly Arg Gln Gln Val
785 790 795 800

Pro Thr Ser Pro Pro Ala Ser Glu Asn Ser Ser Ala Ala His Ser Ile
805 810 815

Gly Ser Thr Gln Ser Thr Pro Cys Ser Ser Ser Ser Thr Ala
820 825 830

<210> 127

<400> 127
000

<210> 128

<400> 128
000

<210> 129

<400> 129
000

<210> 130

<400> 130
000

<210> 131

<400> 131
000

<210> 132

<400> 132
000

<210> 133

<400> 133
000

<210> 134

<400> 134
000

<210> 135

<400> 135
000

<210> 136

<400> 136
000

<210> 137

<400> 137
000

<210> 138

<400> 138
000

<210> 139

<400> 139
000

<210> 140

<400> 140
000

<210> 141

<400> 141
000

<210> 142

<400> 142
000

<210> 143

<400> 143
000

<210> 144

<400> 144
000

<210> 145

<400> 145
000

<210> 146

<400> 146
000

<210> 147

<400> 147
000

<210> 148

<400> 148
000


<210> 149

<400> 149
000


<210> 150

<400> 150
000


<210> 151

<400> 151
000


<210> 152

<400> 152
000


<210> 153

<400> 153
000


<210> 154

<400> 154
000


<210> 155

<400> 155
000


<210> 156

<400> 156
000

<210> 157

<400> 157
000


<210> 158

<400> 158
000


<210> 159

<400> 159
000


<210> 160

<400> 160
000


<210> 161

<400> 161
000


<210> 162

<400> 162
000


<210> 163

<400> 163
000


<210> 164

<400> 164
000


<210> 165

<400> 165
000

<210> 166

<400> 166
000


<210> 167

<400> 167
000


<210> 168

<400> 168
000


<210> 169

<400> 169
000


<210> 170

<400> 170
000


<210> 171

<400> 171
000


<210> 172

<400> 172
000


<210> 173

<400> 173
000


<210> 174

<400> 174

000

<210> 175

<400> 175
000

<210> 176

<400> 176
000

<210> 177

<400> 177
000

<210> 178

<400> 178
000

<210> 179

<400> 179
000

<210> 180

<400> 180
000

<210> 181

<400> 181
000

<210> 182

<400> 182
000

<210> 183

<400> 183
000

<210> 184

<400> 184
000

<210> 185

<400> 185
000

<210> 186

<400> 186
000

<210> 187

<400> 187
000

<210> 188

<400> 188
000

<210> 189

<400> 189
000

<210> 190

<400> 190
000

<210> 191

<400> 191
000

<210> 192

<211> 481
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<220>
<221> VARIANT
<222> (330)..(330)
<223> /replace=" "

<220>
<221> SITE
<222> (1)..(481)
<223> /note="Variant residues given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<400> 192
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

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

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

```
Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
    130                 135                 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145                 150                 155                 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
                165                 170                 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
            180                 185                 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
        195                 200                 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
    210                 215                 220

Gln Pro Arg Glu Pro Gln Val Cys Thr Leu Pro Pro Ser Arg Glu Glu
225                 230                 235                 240

Met Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr
                245                 250                 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
            260                 265                 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
        275                 280                 285

Leu Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
    290                 295                 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305                 310                 315                 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly
                325                 330                 335
```

```
Gly Gly Gly Ser Gly Gly Gly Gly Ser Ile Pro Pro His Val Gln Lys
            340                 345                 350

Ser Val Asn Asn Asp Met Ile Val Thr Asp Asn Asn Gly Ala Val Lys
        355                 360                 365

Phe Pro Gln Leu Cys Lys Phe Cys Asp Val Arg Phe Ser Thr Cys Asp
    370                 375                 380

Asn Gln Lys Ser Cys Met Ser Asn Cys Ser Ile Thr Ser Ile Cys Glu
385                 390                 395                 400

Lys Pro Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn
                405                 410                 415

Ile Thr Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His Asp
            420                 425                 430

Phe Ile Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu Lys
        435                 440                 445

Lys Lys Pro Gly Glu Thr Phe Phe Met Cys Ser Cys Ser Ser Asp Glu
    450                 455                 460

Cys Asn Asp Asn Ile Ile Phe Ser Glu Glu Tyr Asn Thr Ser Asn Pro
465                 470                 475                 480

Asp
```

<210> 193
<211> 481
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<220>

<221> VARIANT
<222> (330)..(330)
<223> /replace=" "

<220>
<221> SITE
<222> (1)..(481)
<223> /note="Variant residues given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<400> 193

```
Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1               5                   10                  15


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


Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
        35                  40                  45


Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
    50                  55                  60


Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65                  70                  75                  80


Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
                85                  90                  95


Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
            100                 105                 110


Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
        115                 120                 125


Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
    130                 135                 140


Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145                 150                 155                 160


Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
```

```
                165                 170                 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
            180                 185                 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
        195                 200                 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
    210                 215                 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu
225                 230                 235                 240

Met Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr
                245                 250                 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
            260                 265                 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
        275                 280                 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
    290                 295                 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305                 310                 315                 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys Gly Gly Gly Gly Ser Gly
                325                 330                 335

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ile Pro Pro His Val Gln Lys
            340                 345                 350

Ser Val Asn Asn Asp Met Ile Val Thr Asp Asn Asn Gly Ala Val Lys
        355                 360                 365

Phe Pro Gln Leu Cys Lys Phe Cys Asp Val Arg Phe Ser Thr Cys Asp
    370                 375                 380
```

```
Asn Gln Lys Ser Cys Met Ser Asn Cys Ser Ile Thr Ser Ile Cys Glu
385                 390                 395                 400


Lys Pro Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn
                405                 410                 415


Ile Thr Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His Asp
            420                 425                 430


Phe Ile Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu Lys
        435                 440                 445


Lys Lys Pro Gly Glu Thr Phe Phe Met Cys Ser Cys Ser Ser Asp Glu
    450                 455                 460


Cys Asn Asp Asn Ile Ile Phe Ser Glu Glu Tyr Asn Thr Ser Asn Pro
465                 470                 475                 480


Asp
```

<210> 194
<211> 378
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<220>
<221> VARIANT
<222> (227)..(227)
<223> /replace=" "

<220>
<221> SITE
<222> (1)..(378)
<223> /note="Variant residues given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<400> 194
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1               5                  10                  15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
            20                  25                  30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
        35                  40                  45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
    50                  55                  60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65                  70                  75                  80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
                85                  90                  95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
            100                 105                 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
        115                 120                 125

Cys Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
    130                 135                 140

Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145                 150                 155                 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
                165                 170                 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val
            180                 185                 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
        195                 200                 205

```
His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
    210                 215                 220

Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
225                 230                 235                 240

Gly Ser Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile
                245                 250                 255

Val Thr Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe
            260                 265                 270

Cys Asp Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser
        275                 280                 285

Asn Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val
    290                 295                 300

Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys
305                 310                 315                 320

His Asp Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala
                325                 330                 335

Ser Pro Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe
            340                 345                 350

Phe Met Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe
        355                 360                 365

Ser Glu Glu Tyr Asn Thr Ser Asn Pro Asp
    370                 375
```

<210> 195
<211> 378
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<220>
<221> VARIANT
<222> (227)..(227)
<223> /replace=" "

<220>
<221> SITE
<222> (1)..(378)
<223> /note="Variant residues given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<400> 195
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met Thr Lys Asn Gln Val Ser
130 135 140

Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

```
Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
                165                 170                 175

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

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
        195                 200                 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
    210                 215                 220

Pro Gly Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
225                 230                 235                 240

Gly Ser Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile
                245                 250                 255

Val Thr Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe
            260                 265                 270

Cys Asp Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser
        275                 280                 285

Asn Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val
    290                 295                 300

Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys
305                 310                 315                 320

His Asp Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala
                325                 330                 335

Ser Pro Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe
            340                 345                 350

Phe Met Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe
        355                 360                 365
```

Ser Glu Glu Tyr Asn Thr Ser Asn Pro Asp
370 375

<210> 196
<211> 481
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<220>
<221> VARIANT
<222> (481)..(481)
<223> /replace=" "

<220>
<221> SITE
<222> (1)..(481)
<223> /note="Variant residues given in the sequence have no preference with respect to those in the annotations for variant positions"

<400> 196
Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile Val Thr
1 5 10 15

Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys Asp
20 25 30

Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn Cys
35 40 45

Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala Val
50 55 60

Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys His Asp
65 70 75 80

Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro
85 90 95

```
Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe Met
            100                 105                 110

Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe Ser Glu
        115                 120                 125

Glu Tyr Asn Thr Ser Asn Pro Asp Gly Gly Gly Gly Ser Gly Gly Gly
    130                 135                 140

Gly Ser Gly Gly Gly Gly Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
145                 150                 155                 160

Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
                165                 170                 175

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
            180                 185                 190

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
        195                 200                 205

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
    210                 215                 220

Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
225                 230                 235                 240

Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys
                245                 250                 255

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
            260                 265                 270

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
        275                 280                 285

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
    290                 295                 300

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
```

305 310 315 320

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
325 330 335

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
340 345 350

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
355 360 365

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Cys Thr
370 375 380

Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Ser
385 390 395 400

Cys Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
405 410 415

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

Asp Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val Asp Lys
435 440 445

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
450 455 460

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
465 470 475 480

Lys

<210> 197
<211> 481
<212> PRT
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<220>
<221> VARIANT
<222> (481)..(481)
<223> /replace=" "

<220>
<221> SITE
<222> (1)..(481)
<223> /note="Variant residues given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<400> 197
Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile Val Thr
1 5 10 15

Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys Asp
20 25 30

Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn Cys
35 40 45

Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala Val
50 55 60

Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys His Asp
65 70 75 80

Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro
85 90 95

Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe Met
100 105 110

Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe Ser Glu
115 120 125

Glu Tyr Asn Thr Ser Asn Pro Asp Gly Gly Gly Gly Ser Gly Gly Gly
130 135 140

```
Gly Ser Gly Gly Gly Gly Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
145                 150                 155                 160

Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
                165                 170                 175

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
            180                 185                 190

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
        195                 200                 205

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
    210                 215                 220

Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
225                 230                 235                 240

Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys
                245                 250                 255

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
            260                 265                 270

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
        275                 280                 285

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
    290                 295                 300

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
305                 310                 315                 320

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
                325                 330                 335

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
            340                 345                 350
```

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
        355                 360                 365

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
    370                 375                 380

Leu Pro Pro Cys Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Trp
385                 390                 395                 400

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
                405                 410                 415

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

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
        435                 440                 445

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
    450                 455                 460

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
465                 470                 475                 480

Lys

<210> 198
<211> 257
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 198
Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile Val Thr
1               5                   10                  15

Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys Asp
            20                  25                  30

```
Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn Cys
        35                  40                  45

Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala Val
    50                  55                  60

Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys His Asp
65                  70                  75                  80

Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro
                85                  90                  95

Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe Met
            100                 105                 110

Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe Ser Glu
        115                 120                 125

Glu Tyr Asn Thr Ser Asn Pro Asp Gly Gly Gly Gly Ser Gly Gly Gly
    130                 135                 140

Gly Ser Gly Gly Gly Gly Ser Gly Gln Pro Lys Ala Asn Pro Thr Val
145                 150                 155                 160

Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln Ala Asn Lys Ala Thr
                165                 170                 175

Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala Val Thr Val Ala
            180                 185                 190

Trp Lys Ala Asp Gly Ser Pro Val Lys Ala Gly Val Glu Thr Thr Lys
        195                 200                 205

Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala Ser Ser Tyr Leu Ser
    210                 215                 220

Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser Tyr Ser Cys Gln Val
225                 230                 235                 240
```

Thr His Glu Gly Ser Thr Val Glu Lys Thr Val Ala Pro Thr Glu Cys
245 250 255

Ser

<210> 199
<211> 258
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 199
Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile Val Thr
1 5 10 15

Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys Asp
20 25 30

Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn Cys
35 40 45

Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala Val
50 55 60

Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val Cys His Asp
65 70 75 80

Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser Pro
85 90 95

Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe Met
100 105 110

Cys Ser Cys Ser Ser Asp Glu Cys Asn Asp Asn Ile Ile Phe Ser Glu
115 120 125

Glu Tyr Asn Thr Ser Asn Pro Asp Gly Gly Gly Gly Ser Gly Gly Gly

```
    130                 135                 140

Gly Ser Gly Gly Gly Gly Ser Arg Thr Val Ala Ala Pro Ser Val Phe
145                 150                 155                 160

Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val
                165                 170                 175

Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp
            180                 185                 190

Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr
        195                 200                 205

Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr
    210                 215                 220

Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val
225                 230                 235                 240

Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly
                245                 250                 255

Glu Cys
```

<210> 200
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 200
```
Phe Thr Gly Tyr Val Met His
1               5
```

<210> 201
<211> 17
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 201
Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe Arg
1 5 10 15

Gly

<210> 202
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 202
Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp Phe
1 5 10 15

<210> 203
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 203
Glu Val Arg Leu Gln Gln Ser Gly Pro Asp Leu Ile Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr
20 25

<210> 204
<211> 14
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 204
Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly
1 5 10

<210> 205
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 205
Lys Ala Thr Leu Thr Ser Asp Lys Ser Ser Thr Thr Ala Tyr Met Glu
1 5 10 15

Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 206
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 206
Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser
1 5 10

<210> 207
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 207
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr
20 25

<210> 208
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 208
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

<210> 209
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 209
Arg Val Thr Met Thr Ser Asp Lys Ser Thr Thr Thr Ala Tyr Met Glu
1 5 10 15

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

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

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 210
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 211
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr
20 25

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 212
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 213

```
Trp Val Thr Met Thr Ser Asp Lys Ser Ile Thr Thr Ala Tyr Met Glu
1               5                   10                  15


Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            20                  25                  30


<210> 214
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 214
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1               5                   10


<210> 215
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 215
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr
            20                  25


<210> 216
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 216
```

Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1               5                   10

<210> 217
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 217
Arg Val Thr Ile Thr Ser Asp Lys Ser Thr Thr Thr Ala Tyr Met Glu
1               5                   10                  15

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            20                  25                  30

<210> 218
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 218
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1               5                   10

<210> 219
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 219
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr
20 25

<210> 220
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 220
Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met Gly
1 5 10

<210> 221
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 221
Arg Val Thr Ile Thr Ser Asp Lys Ser Ala Thr Thr Ala Tyr Met Glu
1 5 10 15

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 222
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 222
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 223
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 223
Arg Ser Ser Gln Arg Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 224
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 224
Arg Val Ser Asn Arg Phe Pro
1 5

<210> 225
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 225
Ser Gln Ser Thr His Val Pro Tyr Thr
1 5

<210> 226
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

peptide"

<400> 226
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15

Asp Gln Ala Ser Ile Ser Cys
20

<210> 227
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 227
Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr
1 5 10 15

<210> 228
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 228
Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Leu Gly Ile Tyr Phe Cys
20 25 30

<210> 229
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

peptide"

<400> 229
Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
1 5 10

<210> 230
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 230
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
1 5 10 15

Glu Pro Ala Ser Ile Ser Cys
20

<210> 231
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 231
Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr
1 5 10 15

<210> 232
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 232
Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr

1 5 10 15

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys
20 25 30

<210> 233
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 233
Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 234
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 234
Glu Val Val Met Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys
20

<210> 235
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 235
Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr

1 5 10 15

<210> 236
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 236
Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr Phe Cys
20 25 30

<210> 237
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 237
Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 238
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 238
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys

20

<210> 239
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 239
Trp Tyr Gln Gln Arg Pro Gly Gln Ser Pro Arg Leu Leu Ile Tyr
1 5 10 15

<210> 240
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 240
Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys
20 25 30

<210> 241
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 241
Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 242

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 242
Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Thr Pro Gly
1 5 10 15

Glu Pro Ala Ser Ile Ser Cys
20

<210> 243
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 243
Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr
1 5 10 15

<210> 244
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 244
Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys
20 25 30

<210> 245

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 245
Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 246
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 246
Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys
20

<210> 247
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 247
Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr
1 5 10 15

<210> 248
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 248
Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1 5 10 15

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys
20 25 30

<210> 249
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 249
Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 250
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 250
Glu Val Arg Leu Gln Gln Ser Gly Pro Asp Leu Ile Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe

```
    50                  55                  60

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

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
            100                 105                 110

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


<210> 251
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 251
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
            20                  25                  30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
    50                  55                  60

Arg Gly Arg Val Thr Met Thr Ser Asp Lys Ser Thr Thr Thr Ala Tyr
65                  70                  75                  80

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
100 105 110

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

<210> 252
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 252
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
50 55 60

Arg Gly Trp Val Thr Met Thr Ser Asp Lys Ser Ile Thr Thr Ala Tyr
65 70 75 80

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
100 105 110

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

<210> 253

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 253
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
50 55 60

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

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
100 105 110

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

<210> 254
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 254

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


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
            20                  25                  30


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


Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
    50                  55                  60


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


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


Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
            100                 105                 110


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


<210> 255
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 255
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Ser Leu Gly
1               5                   10                  15


Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
            20                  25                  30


Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45
```

```
Pro Lys Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Val Pro
    50                  55                  60


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


Ser Arg Val Glu Ala Glu Asp Leu Gly Ile Tyr Phe Cys Ser Gln Ser
                85                  90                  95


Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210> 256
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 256
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
1               5                   10                  15


Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
            20                  25                  30


Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45


Pro Gln Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Val Pro
    50                  55                  60


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


Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys Ser Gln Ser
                85                  90                  95
```

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 257
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 257
Glu Val Val Met Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Gln Gln Lys Pro Gly Gln Ala
35 40 45

Pro Arg Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Ile Pro
50 55 60

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

Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 258
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 258
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1               5                  10                  15

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Gln Gln Arg Pro Gly Gln Ser
        35                  40                  45

Pro Arg Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Val Pro
    50                  55                  60

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

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys Ser Gln Ser
                85                  90                  95

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105                 110

<210> 259
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 259
Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Thr Pro Gly
1               5                  10                  15

Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Val Pro

50 55 60

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

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 260
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 260
Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Val Pro
50 55 60

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

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 261

<400> 261
000


<210> 262

<400> 262
000


<210> 263

<400> 263
000


<210> 264

<400> 264
000


<210> 265

<400> 265
000


<210> 266

<400> 266
000


<210> 267

<400> 267
000


<210> 268

<400> 268
000


<210> 269

<400> 269
000

<210> 270

<400> 270
000


<210> 271

<400> 271
000


<210> 272

<400> 272
000


<210> 273

<400> 273
000


<210> 274

<400> 274
000


<210> 275

<400> 275
000


<210> 276

<400> 276
000


<210> 277

<400> 277
000


<210> 278

<400> 278

000

<210> 279

<400> 279
000

<210> 280

<400> 280
000

<210> 281

<400> 281
000

<210> 282

<400> 282
000

<210> 283

<400> 283
000

<210> 284

<400> 284
000

<210> 285

<400> 285
000

<210> 286

<400> 286
000

<210> 287

<400> 287
000

<210> 288

<400> 288
000

<210> 289

<400> 289
000

<210> 290

<400> 290
000

<210> 291

<400> 291
000

<210> 292

<400> 292
000

<210> 293

<400> 293
000

<210> 294

<400> 294
000

<210> 295

<400> 295
000

<210> 296

<400> 296
000

<210> 297

<400> 297
000

<210> 298

<400> 298
000

<210> 299

<400> 299
000

<210> 300

<400> 300
000

<210> 301

<400> 301
000

<210> 302

<400> 302
000

<210> 303

<400> 303
000

<210> 304

<400> 304
000

<210> 305

<400> 305
000


<210> 306

<400> 306
000


<210> 307

<400> 307
000


<210> 308

<400> 308
000


<210> 309

<400> 309
000


<210> 310

<400> 310
000


<210> 311

<400> 311
000


<210> 312

<400> 312
000


<210> 313

<400> 313
000

<210> 314

<400> 314
000


<210> 315

<400> 315
000


<210> 316

<400> 316
000


<210> 317

<400> 317
000


<210> 318

<400> 318
000


<210> 319

<400> 319
000


<210> 320

<400> 320
000


<210> 321

<400> 321
000


<210> 322

<400> 322
000

<210> 323

<400> 323
000


<210> 324

<400> 324
000


<210> 325

<400> 325
000


<210> 326

<400> 326
000


<210> 327

<400> 327
000


<210> 328

<400> 328
000


<210> 329

<400> 329
000


<210> 330

<400> 330
000


<210> 331

<400> 331

000

<210> 332

<400> 332
000

<210> 333

<400> 333
000

<210> 334

<400> 334
000

<210> 335

<400> 335
000

<210> 336

<400> 336
000

<210> 337

<400> 337
000

<210> 338

<400> 338
000

<210> 339

<400> 339
000

<210> 340

<400> 340
000

<210> 341

<400> 341
000

<210> 342

<400> 342
000

<210> 343

<400> 343
000

<210> 344

<400> 344
000

<210> 345

<400> 345
000

<210> 346

<400> 346
000

<210> 347

<400> 347
000

<210> 348

<400> 348
000

<210> 349

<400> 349
000

<210> 350

<400> 350
000

<210> 351

<400> 351
000

<210> 352

<400> 352
000

<210> 353

<400> 353
000

<210> 354

<400> 354
000

<210> 355

<400> 355
000

<210> 356

<400> 356
000

<210> 357

<400> 357
000

<210> 358

<400> 358
000


<210> 359

<400> 359
000


<210> 360

<400> 360
000


<210> 361

<400> 361
000


<210> 362

<400> 362
000


<210> 363

<400> 363
000


<210> 364

<400> 364
000


<210> 365

<400> 365
000


<210> 366

<400> 366
000

<210> 367

<400> 367
000


<210> 368

<400> 368
000


<210> 369

<400> 369
000


<210> 370

<400> 370
000


<210> 371

<400> 371
000


<210> 372

<400> 372
000


<210> 373

<400> 373
000


<210> 374

<400> 374
000


<210> 375

<400> 375
000

<210> 376

<400> 376
000


<210> 377

<400> 377
000


<210> 378

<400> 378
000


<210> 379

<400> 379
000


<210> 380

<400> 380
000


<210> 381

<400> 381
000


<210> 382

<400> 382
000


<210> 383

<400> 383
000


<210> 384

<400> 384

000

<210> 385

<400> 385
000

<210> 386

<400> 386
000

<210> 387

<400> 387
000

<210> 388

<400> 388
000

<210> 389

<400> 389
000

<210> 390

<400> 390
000

<210> 391

<400> 391
000

<210> 392

<400> 392
000

<210> 393

<400> 393
000

<210> 394

<400> 394
000

<210> 395

<400> 395
000

<210> 396

<400> 396
000

<210> 397

<400> 397
000

<210> 398

<400> 398
000

<210> 399

<400> 399
000

<210> 400

<400> 400
000

<210> 401

<400> 401
000

<210> 402

<400> 402
000

<210> 403

<400> 403
000

<210> 404

<400> 404
000

<210> 405

<400> 405
000

<210> 406

<400> 406
000

<210> 407

<400> 407
000

<210> 408

<400> 408
000

<210> 409

<400> 409
000

<210> 410

<400> 410
000

<210> 411

<400> 411
000


<210> 412

<400> 412
000


<210> 413

<400> 413
000


<210> 414

<400> 414
000


<210> 415

<400> 415
000


<210> 416

<400> 416
000


<210> 417

<400> 417
000


<210> 418

<400> 418
000


<210> 419

<400> 419
000

<210> 420

<400> 420
000


<210> 421

<400> 421
000


<210> 422

<400> 422
000


<210> 423

<400> 423
000


<210> 424

<400> 424
000


<210> 425

<400> 425
000


<210> 426

<400> 426
000


<210> 427

<400> 427
000


<210> 428

<400> 428
000

<210> 429

<400> 429
000


<210> 430

<400> 430
000


<210> 431

<400> 431
000


<210> 432

<400> 432
000


<210> 433

<400> 433
000


<210> 434

<400> 434
000


<210> 435

<400> 435
000


<210> 436

<400> 436
000


<210> 437

<400> 437

000

<210> 438

<400> 438
000

<210> 439

<400> 439
000

<210> 440

<400> 440
000

<210> 441

<400> 441
000

<210> 442

<400> 442
000

<210> 443

<400> 443
000

<210> 444

<400> 444
000

<210> 445

<400> 445
000

<210> 446

<400> 446
000

<210> 447

<400> 447
000

<210> 448

<400> 448
000

<210> 449

<400> 449
000

<210> 450

<400> 450
000

<210> 451

<400> 451
000

<210> 452

<400> 452
000

<210> 453

<400> 453
000

<210> 454

<400> 454
000

<210> 455

<400> 455
000

<210> 456

<400> 456
000

<210> 457

<400> 457
000

<210> 458

<400> 458
000

<210> 459

<400> 459
000

<210> 460

<400> 460
000

<210> 461

<400> 461
000

<210> 462

<400> 462
000

<210> 463

<400> 463
000

<210> 464

<400> 464
000


<210> 465

<400> 465
000


<210> 466

<400> 466
000


<210> 467

<400> 467
000


<210> 468

<400> 468
000


<210> 469

<400> 469
000


<210> 470

<400> 470
000


<210> 471

<400> 471
000


<210> 472

<400> 472
000

<210> 473

<400> 473
000

<210> 474

<400> 474
000

<210> 475

<400> 475
000

<210> 476

<400> 476
000

<210> 477

<400> 477
000

<210> 478

<400> 478
000

<210> 479

<400> 479
000

<210> 480

<400> 480
000

<210> 481

<400> 481
000

<210> 482

<400> 482
000


<210> 483

<400> 483
000


<210> 484

<400> 484
000


<210> 485

<400> 485
000


<210> 486

<400> 486
000


<210> 487

<400> 487
000


<210> 488

<400> 488
000


<210> 489

<400> 489
000


<210> 490

<400> 490

000

<210> 491

<400> 491
000

<210> 492

<400> 492
000

<210> 493

<400> 493
000

<210> 494

<400> 494
000

<210> 495

<400> 495
000

<210> 496

<400> 496
000

<210> 497

<400> 497
000

<210> 498

<400> 498
000

<210> 499

<400> 499
000

<210> 500

<400> 500
000

<210> 501

<400> 501
000

<210> 502

<400> 502
000

<210> 503

<400> 503
000

<210> 504

<400> 504
000

<210> 505

<400> 505
000

<210> 506

<400> 506
000

<210> 507

<400> 507
000

<210> 508

<400> 508
000

<210> 509

<400> 509
000

<210> 510

<400> 510
000

<210> 511

<400> 511
000

<210> 512

<400> 512
000

<210> 513

<400> 513
000

<210> 514

<400> 514
000

<210> 515

<400> 515
000

<210> 516

<400> 516
000

<210> 517

<400> 517
000


<210> 518

<400> 518
000


<210> 519

<400> 519
000


<210> 520

<400> 520
000


<210> 521

<400> 521
000


<210> 522

<400> 522
000


<210> 523

<400> 523
000


<210> 524

<400> 524
000


<210> 525

<400> 525
000

<210> 526

<400> 526
000


<210> 527

<400> 527
000


<210> 528

<400> 528
000


<210> 529

<400> 529
000


<210> 530

<400> 530
000


<210> 531

<400> 531
000


<210> 532

<400> 532
000


<210> 533

<400> 533
000


<210> 534

<400> 534
000

<210> 535

<400> 535
000


<210> 536

<400> 536
000


<210> 537

<400> 537
000


<210> 538

<400> 538
000


<210> 539

<400> 539
000


<210> 540

<400> 540
000


<210> 541

<400> 541
000


<210> 542

<400> 542
000


<210> 543

<400> 543

000

<210> 544

<400> 544
000

<210> 545

<400> 545
000

<210> 546

<400> 546
000

<210> 547

<400> 547
000

<210> 548

<400> 548
000

<210> 549

<400> 549
000

<210> 550

<400> 550
000

<210> 551

<400> 551
000

<210> 552

<400> 552
000

<210> 553

<400> 553
000

<210> 554

<400> 554
000

<210> 555

<400> 555
000

<210> 556

<400> 556
000

<210> 557

<400> 557
000

<210> 558

<400> 558
000

<210> 559

<400> 559
000

<210> 560

<400> 560
000

<210> 561

<400> 561
000

<210> 562

<400> 562
000

<210> 563

<400> 563
000

<210> 564

<400> 564
000

<210> 565

<400> 565
000

<210> 566

<400> 566
000

<210> 567

<400> 567
000

<210> 568

<400> 568
000

<210> 569

<400> 569
000

<210> 570

<400> 570
000


<210> 571

<400> 571
000


<210> 572

<400> 572
000


<210> 573

<400> 573
000


<210> 574

<400> 574
000


<210> 575

<400> 575
000


<210> 576

<400> 576
000


<210> 577

<400> 577
000


<210> 578

<400> 578
000

<210> 579

<400> 579
000

<210> 580

<400> 580
000

<210> 581

<400> 581
000

<210> 582

<400> 582
000

<210> 583

<400> 583
000

<210> 584

<400> 584
000

<210> 585

<400> 585
000

<210> 586

<400> 586
000

<210> 587

<400> 587
000

<210> 588

<400> 588
000


<210> 589

<400> 589
000


<210> 590

<400> 590
000


<210> 591

<400> 591
000


<210> 592

<400> 592
000


<210> 593

<400> 593
000


<210> 594

<400> 594
000


<210> 595

<400> 595
000


<210> 596

<400> 596

000

<210> 597

<400> 597
000

<210> 598

<400> 598
000

<210> 599

<400> 599
000

<210> 600

<400> 600
000

<210> 601

<400> 601
000

<210> 602

<400> 602
000

<210> 603

<400> 603
000

<210> 604

<400> 604
000

<210> 605

<400> 605
000

<210> 606

<400> 606
000

<210> 607

<400> 607
000

<210> 608

<400> 608
000

<210> 609

<400> 609
000

<210> 610

<400> 610
000

<210> 611

<400> 611
000

<210> 612

<400> 612
000

<210> 613

<400> 613
000

<210> 614

<400> 614
000

<210> 615

<400> 615
000

<210> 616

<400> 616
000

<210> 617

<400> 617
000

<210> 618

<400> 618
000

<210> 619

<400> 619
000

<210> 620

<400> 620
000

<210> 621

<400> 621
000

<210> 622

<400> 622
000

<210> 623

<400> 623
000


<210> 624

<400> 624
000


<210> 625

<400> 625
000


<210> 626

<400> 626
000


<210> 627

<400> 627
000


<210> 628

<400> 628
000


<210> 629

<400> 629
000


<210> 630

<400> 630
000


<210> 631

<400> 631
000

<210> 632

<400> 632
000


<210> 633

<400> 633
000


<210> 634

<400> 634
000


<210> 635

<400> 635
000


<210> 636

<400> 636
000


<210> 637

<400> 637
000


<210> 638

<400> 638
000


<210> 639

<400> 639
000


<210> 640

<400> 640
000

<210> 641

<400> 641
000


<210> 642

<400> 642
000


<210> 643

<400> 643
000


<210> 644

<400> 644
000


<210> 645

<400> 645
000


<210> 646

<400> 646
000


<210> 647

<400> 647
000


<210> 648

<400> 648
000


<210> 649

<400> 649

000

<210> 650

<400> 650
000

<210> 651

<400> 651
000

<210> 652

<400> 652
000

<210> 653

<400> 653
000

<210> 654

<400> 654
000

<210> 655

<400> 655
000

<210> 656

<400> 656
000

<210> 657

<400> 657
000

<210> 658

<400> 658
000

<210> 659

<400> 659
000

<210> 660

<400> 660
000

<210> 661

<400> 661
000

<210> 662

<400> 662
000

<210> 663

<400> 663
000

<210> 664

<400> 664
000

<210> 665

<400> 665
000

<210> 666

<400> 666
000

<210> 667

<400> 667
000

<210> 668

<400> 668
000

<210> 669

<400> 669
000

<210> 670

<400> 670
000

<210> 671

<400> 671
000

<210> 672

<400> 672
000

<210> 673

<400> 673
000

<210> 674

<400> 674
000

<210> 675

<400> 675
000

<210> 676

<400> 676
000


<210> 677

<400> 677
000


<210> 678

<400> 678
000


<210> 679

<400> 679
000


<210> 680

<400> 680
000


<210> 681

<400> 681
000


<210> 682

<400> 682
000


<210> 683

<400> 683
000


<210> 684

<400> 684
000

<210> 685

<400> 685
000

<210> 686

<400> 686
000

<210> 687

<400> 687
000

<210> 688

<400> 688
000

<210> 689

<400> 689
000

<210> 690

<400> 690
000

<210> 691

<400> 691
000

<210> 692

<400> 692
000

<210> 693

<400> 693
000

<210> 694

<400> 694
000


<210> 695

<400> 695
000


<210> 696

<400> 696
000


<210> 697

<400> 697
000


<210> 698

<400> 698
000


<210> 699

<400> 699
000


<210> 700

<400> 700
000


<210> 701

<400> 701
000


<210> 702

<400> 702

000

<210> 703

<400> 703
000

<210> 704

<400> 704
000

<210> 705

<400> 705
000

<210> 706

<400> 706
000

<210> 707

<400> 707
000

<210> 708

<400> 708
000

<210> 709

<400> 709
000

<210> 710

<400> 710
000

<210> 711

<400> 711
000

<210> 712

<400> 712
000

<210> 713

<400> 713
000

<210> 714

<400> 714
000

<210> 715

<400> 715
000

<210> 716

<400> 716
000

<210> 717

<400> 717
000

<210> 718

<400> 718
000

<210> 719

<400> 719
000

<210> 720

<400> 720
000

<210> 721

<400> 721
000

<210> 722

<400> 722
000

<210> 723

<400> 723
000

<210> 724

<400> 724
000

<210> 725

<400> 725
000

<210> 726

<400> 726
000

<210> 727

<400> 727
000

<210> 728

<400> 728
000

<210> 729

<400> 729
000


<210> 730

<400> 730
000


<210> 731

<400> 731
000


<210> 732

<400> 732
000


<210> 733

<400> 733
000


<210> 734

<400> 734
000


<210> 735

<400> 735
000


<210> 736

<400> 736
000


<210> 737

<400> 737
000

<210> 738

<400> 738
000

<210> 739

<400> 739
000

<210> 740

<400> 740
000

<210> 741

<400> 741
000

<210> 742

<400> 742
000

<210> 743

<400> 743
000

<210> 744

<400> 744
000

<210> 745

<400> 745
000

<210> 746

<400> 746
000

<210> 747

<400> 747
000


<210> 748

<400> 748
000


<210> 749

<400> 749
000


<210> 750

<400> 750
000


<210> 751

<400> 751
000


<210> 752

<400> 752
000


<210> 753

<400> 753
000


<210> 754

<400> 754
000


<210> 755

<400> 755

000

<210> 756

<400> 756
000

<210> 757

<400> 757
000

<210> 758

<400> 758
000

<210> 759

<400> 759
000

<210> 760

<400> 760
000

<210> 761

<400> 761
000

<210> 762

<400> 762
000

<210> 763

<400> 763
000

<210> 764

<400> 764
000

<210> 765

<400> 765
000

<210> 766

<400> 766
000

<210> 767

<400> 767
000

<210> 768

<400> 768
000

<210> 769

<400> 769
000

<210> 770

<400> 770
000

<210> 771

<400> 771
000

<210> 772

<400> 772
000

<210> 773

<400> 773
000

<210> 774

<400> 774
000

<210> 775

<400> 775
000

<210> 776

<400> 776
000

<210> 777

<400> 777
000

<210> 778

<400> 778
000

<210> 779

<400> 779
000

<210> 780

<400> 780
000

<210> 781

<400> 781
000

<210> 782

<400> 782
000

<210> 783

<400> 783
000

<210> 784

<400> 784
000

<210> 785

<400> 785
000

<210> 786

<400> 786
000

<210> 787

<400> 787
000

<210> 788

<400> 788
000

<210> 789

<400> 789
000

<210> 790

<400> 790
000

<210> 791

<400> 791
000

<210> 792

<400> 792
000

<210> 793

<400> 793
000

<210> 794

<400> 794
000

<210> 795

<400> 795
000

<210> 796

<400> 796
000

<210> 797

<400> 797
000

<210> 798

<400> 798
000

<210> 799

<400> 799
000

<210> 800

<400> 800
000


<210> 801

<400> 801
000


<210> 802

<400> 802
000


<210> 803

<400> 803
000


<210> 804

<400> 804
000


<210> 805

<400> 805
000


<210> 806

<400> 806
000


<210> 807

<400> 807
000


<210> 808

<400> 808

000

<210> 809

<400> 809
000

<210> 810

<400> 810
000

<210> 811

<400> 811
000

<210> 812

<400> 812
000

<210> 813

<400> 813
000

<210> 814

<400> 814
000

<210> 815

<400> 815
000

<210> 816

<400> 816
000

<210> 817

<400> 817
000

<210> 818

<400> 818
000

<210> 819

<400> 819
000

<210> 820

<400> 820
000

<210> 821

<400> 821
000

<210> 822

<400> 822
000

<210> 823

<400> 823
000

<210> 824

<400> 824
000

<210> 825

<400> 825
000

<210> 826

<400> 826
000

<210> 827

<400> 827
000

<210> 828

<400> 828
000

<210> 829

<400> 829
000

<210> 830

<400> 830
000

<210> 831

<400> 831
000

<210> 832

<400> 832
000

<210> 833

<400> 833
000

<210> 834

<400> 834
000

<210> 835

<400> 835
000


<210> 836

<400> 836
000


<210> 837

<400> 837
000


<210> 838

<400> 838
000


<210> 839

<400> 839
000


<210> 840

<400> 840
000


<210> 841

<400> 841
000


<210> 842

<400> 842
000


<210> 843

<400> 843
000

<210> 844

<400> 844
000

<210> 845

<400> 845
000

<210> 846

<400> 846
000

<210> 847

<400> 847
000

<210> 848

<400> 848
000

<210> 849

<400> 849
000

<210> 850

<400> 850
000

<210> 851

<400> 851
000

<210> 852

<400> 852
000

<210> 853

<400> 853
000


<210> 854

<400> 854
000


<210> 855

<400> 855
000


<210> 856

<400> 856
000


<210> 857

<400> 857
000


<210> 858

<400> 858
000


<210> 859

<400> 859
000


<210> 860

<400> 860
000


<210> 861

<400> 861

000

<210> 862

<400> 862
000

<210> 863

<400> 863
000

<210> 864

<400> 864
000

<210> 865

<400> 865
000

<210> 866

<400> 866
000

<210> 867

<400> 867
000

<210> 868

<400> 868
000

<210> 869

<400> 869
000

<210> 870

<400> 870
000

<210> 871

<400> 871
000

<210> 872

<400> 872
000

<210> 873

<400> 873
000

<210> 874

<400> 874
000

<210> 875

<400> 875
000

<210> 876

<400> 876
000

<210> 877

<400> 877
000

<210> 878

<400> 878
000

<210> 879

<400> 879
000

<210> 880

<400> 880
000

<210> 881

<400> 881
000

<210> 882

<400> 882
000

<210> 883

<400> 883
000

<210> 884

<400> 884
000

<210> 885

<400> 885
000

<210> 886

<400> 886
000

<210> 887

<400> 887
000

<210> 888

<400> 888
000


<210> 889

<400> 889
000


<210> 890

<400> 890
000


<210> 891

<400> 891
000


<210> 892

<400> 892
000


<210> 893

<400> 893
000


<210> 894

<400> 894
000


<210> 895

<400> 895
000


<210> 896

<400> 896
000

<210> 897

<400> 897
000


<210> 898

<400> 898
000


<210> 899

<400> 899
000


<210> 900

<400> 900
000


<210> 901

<400> 901
000


<210> 902

<400> 902
000


<210> 903

<400> 903
000


<210> 904

<400> 904
000


<210> 905

<400> 905
000

<210> 906

<400> 906
000


<210> 907

<400> 907
000


<210> 908

<400> 908
000


<210> 909

<400> 909
000


<210> 910

<400> 910
000


<210> 911

<400> 911
000


<210> 912

<400> 912
000


<210> 913

<400> 913
000


<210> 914

<400> 914

000

<210> 915

<400> 915
000

<210> 916

<400> 916
000

<210> 917

<400> 917
000

<210> 918

<400> 918
000

<210> 919

<400> 919
000

<210> 920

<400> 920
000

<210> 921

<400> 921
000

<210> 922

<400> 922
000

<210> 923

<400> 923
000

<210> 924

<400> 924
000

<210> 925

<400> 925
000

<210> 926

<400> 926
000

<210> 927

<400> 927
000

<210> 928

<400> 928
000

<210> 929

<400> 929
000

<210> 930

<400> 930
000

<210> 931

<400> 931
000

<210> 932

<400> 932
000

<210> 933

<400> 933
000

<210> 934

<400> 934
000

<210> 935

<400> 935
000

<210> 936

<400> 936
000

<210> 937

<400> 937
000

<210> 938

<400> 938
000

<210> 939

<400> 939
000

<210> 940

<400> 940
000

<210> 941

<400> 941
000


<210> 942

<400> 942
000


<210> 943

<400> 943
000


<210> 944

<400> 944
000


<210> 945

<400> 945
000


<210> 946

<400> 946
000


<210> 947

<400> 947
000


<210> 948

<400> 948
000


<210> 949

<400> 949
000

<210> 950

<400> 950
000


<210> 951

<400> 951
000


<210> 952

<400> 952
000


<210> 953

<400> 953
000


<210> 954

<400> 954
000


<210> 955

<400> 955
000


<210> 956

<400> 956
000


<210> 957

<400> 957
000


<210> 958

<400> 958
000

<210> 959

<400> 959
000


<210> 960

<400> 960
000


<210> 961

<400> 961
000


<210> 962

<400> 962
000


<210> 963

<400> 963
000


<210> 964

<400> 964
000


<210> 965

<400> 965
000


<210> 966

<400> 966
000


<210> 967

<400> 967

000

<210> 968

<400> 968
000

<210> 969

<400> 969
000

<210> 970

<400> 970
000

<210> 971

<400> 971
000

<210> 972

<400> 972
000

<210> 973

<400> 973
000

<210> 974

<400> 974
000

<210> 975

<400> 975
000

<210> 976

<400> 976
000

<210> 977

<400> 977
000

<210> 978

<400> 978
000

<210> 979

<400> 979
000

<210> 980

<400> 980
000

<210> 981

<400> 981
000

<210> 982

<400> 982
000

<210> 983

<400> 983
000

<210> 984

<400> 984
000

<210> 985

<400> 985
000

<210> 986

<400> 986
000

<210> 987

<400> 987
000

<210> 988

<400> 988
000

<210> 989

<400> 989
000

<210> 990

<400> 990
000

<210> 991

<400> 991
000

<210> 992

<400> 992
000

<210> 993

<400> 993
000

<210> 994

<400> 994
000


<210> 995

<400> 995
000


<210> 996

<400> 996
000


<210> 997

<400> 997
000


<210> 998

<400> 998
000


<210> 999

<400> 999
000


<210> 1000

<400> 1000
000


<210> 1001

<400> 1001
000


<210> 1002

<400> 1002
000

<210> 1003

<400> 1003
000


<210> 1004

<400> 1004
000


<210> 1005

<400> 1005
000


<210> 1006

<400> 1006
000


<210> 1007

<400> 1007
000


<210> 1008

<400> 1008
000


<210> 1009

<400> 1009
000


<210> 1010

<400> 1010
000


<210> 1011

<400> 1011
000

<210> 1012

<400> 1012
000


<210> 1013

<400> 1013
000


<210> 1014

<400> 1014
000


<210> 1015

<400> 1015
000


<210> 1016

<400> 1016
000


<210> 1017

<400> 1017
000


<210> 1018

<400> 1018
000


<210> 1019

<400> 1019
000


<210> 1020

<400> 1020

000

<210> 1021

<400> 1021
000

<210> 1022

<400> 1022
000

<210> 1023

<400> 1023
000

<210> 1024

<400> 1024
000

<210> 1025

<400> 1025
000

<210> 1026

<400> 1026
000

<210> 1027

<400> 1027
000

<210> 1028

<400> 1028
000

<210> 1029

<400> 1029
000

<210> 1030

<400> 1030
000

<210> 1031

<400> 1031
000

<210> 1032

<400> 1032
000

<210> 1033

<400> 1033
000

<210> 1034

<400> 1034
000

<210> 1035

<400> 1035
000

<210> 1036

<400> 1036
000

<210> 1037

<400> 1037
000

<210> 1038

<400> 1038
000

<210> 1039

<400> 1039
000

<210> 1040

<400> 1040
000

<210> 1041

<400> 1041
000

<210> 1042

<400> 1042
000

<210> 1043

<400> 1043
000

<210> 1044

<400> 1044
000

<210> 1045

<400> 1045
000

<210> 1046

<400> 1046
000

<210> 1047

<400> 1047
000


<210> 1048

<400> 1048
000


<210> 1049

<400> 1049
000


<210> 1050

<400> 1050
000


<210> 1051

<400> 1051
000


<210> 1052

<400> 1052
000


<210> 1053

<400> 1053
000


<210> 1054

<400> 1054
000


<210> 1055

<400> 1055
000

<210> 1056

<400> 1056
000


<210> 1057

<400> 1057
000


<210> 1058

<400> 1058
000


<210> 1059

<400> 1059
000


<210> 1060

<400> 1060
000


<210> 1061

<400> 1061
000


<210> 1062

<400> 1062
000


<210> 1063

<400> 1063
000


<210> 1064

<400> 1064
000

<210> 1065

<400> 1065
000


<210> 1066

<400> 1066
000


<210> 1067

<400> 1067
000


<210> 1068

<400> 1068
000


<210> 1069

<400> 1069
000


<210> 1070

<400> 1070
000


<210> 1071

<400> 1071
000


<210> 1072

<400> 1072
000


<210> 1073

<400> 1073

000

<210> 1074

<400> 1074
000

<210> 1075

<400> 1075
000

<210> 1076

<400> 1076
000

<210> 1077

<400> 1077
000

<210> 1078

<400> 1078
000

<210> 1079

<400> 1079
000

<210> 1080

<400> 1080
000

<210> 1081

<400> 1081
000

<210> 1082

<400> 1082
000

<210> 1083

<400> 1083
000

<210> 1084

<400> 1084
000

<210> 1085

<400> 1085
000

<210> 1086

<400> 1086
000

<210> 1087

<400> 1087
000

<210> 1088

<400> 1088
000

<210> 1089

<400> 1089
000

<210> 1090

<400> 1090
000

<210> 1091

<400> 1091
000

<210> 1092

<400> 1092
000

<210> 1093

<400> 1093
000

<210> 1094

<400> 1094
000

<210> 1095

<400> 1095
000

<210> 1096

<400> 1096
000

<210> 1097

<400> 1097
000

<210> 1098

<400> 1098
000

<210> 1099

<400> 1099
000

<210> 1100

<400> 1100
000


<210> 1101

<400> 1101
000


<210> 1102

<400> 1102
000


<210> 1103

<400> 1103
000


<210> 1104

<400> 1104
000


<210> 1105

<400> 1105
000


<210> 1106

<400> 1106
000


<210> 1107

<400> 1107
000


<210> 1108

<400> 1108
000

<210> 1109

<400> 1109
000


<210> 1110

<400> 1110
000


<210> 1111

<400> 1111
000


<210> 1112

<400> 1112
000


<210> 1113

<400> 1113
000


<210> 1114

<400> 1114
000


<210> 1115

<400> 1115
000


<210> 1116

<400> 1116
000


<210> 1117

<400> 1117
000

<210> 1118

<400> 1118
000


<210> 1119

<400> 1119
000


<210> 1120

<400> 1120
000


<210> 1121

<400> 1121
000


<210> 1122

<400> 1122
000


<210> 1123

<400> 1123
000


<210> 1124

<400> 1124
000


<210> 1125

<400> 1125
000


<210> 1126

<400> 1126

000

<210> 1127

<400> 1127
000

<210> 1128

<400> 1128
000

<210> 1129

<400> 1129
000

<210> 1130

<400> 1130
000

<210> 1131

<400> 1131
000

<210> 1132

<400> 1132
000

<210> 1133

<400> 1133
000

<210> 1134

<400> 1134
000

<210> 1135

<400> 1135
000

<210> 1136

<400> 1136
000

<210> 1137

<400> 1137
000

<210> 1138

<400> 1138
000

<210> 1139

<400> 1139
000

<210> 1140

<400> 1140
000

<210> 1141

<400> 1141
000

<210> 1142

<400> 1142
000

<210> 1143

<400> 1143
000

<210> 1144

<400> 1144
000

<210> 1145

<400> 1145
000

<210> 1146

<400> 1146
000

<210> 1147

<400> 1147
000

<210> 1148

<400> 1148
000

<210> 1149

<400> 1149
000

<210> 1150

<400> 1150
000

<210> 1151

<400> 1151
000

<210> 1152

<400> 1152
000

<210> 1153

<400> 1153
000


<210> 1154

<400> 1154
000


<210> 1155

<400> 1155
000


<210> 1156

<400> 1156
000


<210> 1157

<400> 1157
000


<210> 1158

<400> 1158
000


<210> 1159

<400> 1159
000


<210> 1160

<400> 1160
000


<210> 1161

<400> 1161
000

<210> 1162

<400> 1162
000


<210> 1163

<400> 1163
000


<210> 1164

<400> 1164
000


<210> 1165

<400> 1165
000


<210> 1166

<400> 1166
000


<210> 1167

<400> 1167
000


<210> 1168

<400> 1168
000


<210> 1169

<400> 1169
000


<210> 1170

<400> 1170
000

<210> 1171

<400> 1171
000


<210> 1172

<400> 1172
000


<210> 1173

<400> 1173
000


<210> 1174

<400> 1174
000


<210> 1175

<400> 1175
000


<210> 1176

<400> 1176
000


<210> 1177

<400> 1177
000


<210> 1178

<400> 1178
000


<210> 1179

<400> 1179

000

<210> 1180

<400> 1180
000

<210> 1181

<400> 1181
000

<210> 1182

<400> 1182
000

<210> 1183

<400> 1183
000

<210> 1184

<400> 1184
000

<210> 1185

<400> 1185
000

<210> 1186

<400> 1186
000

<210> 1187

<400> 1187
000

<210> 1188

<400> 1188
000

<210> 1189

<400> 1189
000

<210> 1190

<400> 1190
000

<210> 1191

<400> 1191
000

<210> 1192

<400> 1192
000

<210> 1193

<400> 1193
000

<210> 1194

<400> 1194
000

<210> 1195

<400> 1195
000

<210> 1196

<400> 1196
000

<210> 1197

<400> 1197
000

<210> 1198

<400> 1198
000

<210> 1199

<400> 1199
000

<210> 1200

<400> 1200
000

<210> 1201

<400> 1201
000

<210> 1202

<400> 1202
000

<210> 1203

<400> 1203
000

<210> 1204

<400> 1204
000

<210> 1205

<400> 1205
000

<210> 1206

<400> 1206
000


<210> 1207

<400> 1207
000


<210> 1208

<400> 1208
000


<210> 1209

<400> 1209
000


<210> 1210

<400> 1210
000


<210> 1211

<400> 1211
000


<210> 1212

<400> 1212
000


<210> 1213

<400> 1213
000


<210> 1214

<400> 1214
000

<210> 1215

<400> 1215
000


<210> 1216

<400> 1216
000


<210> 1217

<400> 1217
000


<210> 1218

<400> 1218
000


<210> 1219

<400> 1219
000


<210> 1220

<400> 1220
000


<210> 1221

<400> 1221
000


<210> 1222

<400> 1222
000


<210> 1223

<400> 1223
000

<210> 1224

<400> 1224
000


<210> 1225

<400> 1225
000


<210> 1226

<400> 1226
000


<210> 1227

<400> 1227
000


<210> 1228

<400> 1228
000


<210> 1229

<400> 1229
000


<210> 1230

<400> 1230
000


<210> 1231

<400> 1231
000


<210> 1232

<400> 1232

000

<210> 1233

<400> 1233
000

<210> 1234

<400> 1234
000

<210> 1235

<400> 1235
000

<210> 1236

<400> 1236
000

<210> 1237

<400> 1237
000

<210> 1238

<400> 1238
000

<210> 1239

<400> 1239
000

<210> 1240

<400> 1240
000

<210> 1241

<400> 1241
000

<210> 1242

<400> 1242
000

<210> 1243

<400> 1243
000

<210> 1244

<400> 1244
000

<210> 1245

<400> 1245
000

<210> 1246

<400> 1246
000

<210> 1247

<400> 1247
000

<210> 1248

<400> 1248
000

<210> 1249

<400> 1249
000

<210> 1250

<400> 1250
000

<210> 1251

<400> 1251
000

<210> 1252

<400> 1252
000

<210> 1253

<400> 1253
000

<210> 1254

<400> 1254
000

<210> 1255

<400> 1255
000

<210> 1256

<400> 1256
000

<210> 1257

<400> 1257
000

<210> 1258

<400> 1258
000

<210> 1259

<400> 1259
000


<210> 1260

<400> 1260
000


<210> 1261

<400> 1261
000


<210> 1262

<400> 1262
000


<210> 1263

<400> 1263
000


<210> 1264

<400> 1264
000


<210> 1265

<400> 1265
000


<210> 1266

<400> 1266
000


<210> 1267

<400> 1267
000

<210> 1268

<400> 1268
000


<210> 1269

<400> 1269
000


<210> 1270

<400> 1270
000


<210> 1271

<400> 1271
000


<210> 1272

<400> 1272
000


<210> 1273

<400> 1273
000


<210> 1274

<400> 1274
000


<210> 1275

<400> 1275
000


<210> 1276

<400> 1276
000

<210> 1277

<400> 1277
000

<210> 1278

<400> 1278
000

<210> 1279

<400> 1279
000

<210> 1280

<400> 1280
000

<210> 1281

<400> 1281
000

<210> 1282

<400> 1282
000

<210> 1283

<400> 1283
000

<210> 1284

<400> 1284
000

<210> 1285

<400> 1285

000

<210> 1286

<400> 1286
000

<210> 1287

<400> 1287
000

<210> 1288

<400> 1288
000

<210> 1289

<400> 1289
000

<210> 1290

<400> 1290
000

<210> 1291

<400> 1291
000

<210> 1292

<400> 1292
000

<210> 1293

<400> 1293
000

<210> 1294

<400> 1294
000

<210> 1295

<400> 1295
000

<210> 1296

<400> 1296
000

<210> 1297

<400> 1297
000

<210> 1298

<400> 1298
000

<210> 1299

<400> 1299
000

<210> 1300

<400> 1300
000

<210> 1301

<400> 1301
000

<210> 1302

<400> 1302
000

<210> 1303

<400> 1303
000

<210> 1304

<400> 1304
000

<210> 1305

<400> 1305
000

<210> 1306

<400> 1306
000

<210> 1307

<400> 1307
000

<210> 1308

<400> 1308
000

<210> 1309

<400> 1309
000

<210> 1310

<400> 1310
000

<210> 1311

<400> 1311
000

<210> 1312

<400> 1312
000


<210> 1313

<400> 1313
000


<210> 1314

<400> 1314
000


<210> 1315

<400> 1315
000


<210> 1316

<400> 1316
000


<210> 1317

<400> 1317
000


<210> 1318

<400> 1318
000


<210> 1319

<400> 1319
000


<210> 1320

<400> 1320
000

<210> 1321

<400> 1321
000


<210> 1322

<400> 1322
000


<210> 1323

<400> 1323
000


<210> 1324

<400> 1324
000


<210> 1325

<400> 1325
000


<210> 1326

<400> 1326
000


<210> 1327

<400> 1327
000


<210> 1328

<400> 1328
000


<210> 1329

<400> 1329
000

<210> 1330

<400> 1330
000


<210> 1331

<400> 1331
000


<210> 1332

<400> 1332
000


<210> 1333

<400> 1333
000


<210> 1334

<400> 1334
000


<210> 1335

<400> 1335
000


<210> 1336

<400> 1336
000


<210> 1337

<400> 1337
000


<210> 1338

<400> 1338

000

<210> 1339

<400> 1339
000

<210> 1340

<400> 1340
000

<210> 1341

<400> 1341
000

<210> 1342

<400> 1342
000

<210> 1343

<400> 1343
000

<210> 1344

<400> 1344
000

<210> 1345

<400> 1345
000

<210> 1346

<400> 1346
000

<210> 1347

<400> 1347
000

<210> 1348

<400> 1348
000

<210> 1349

<400> 1349
000

<210> 1350

<400> 1350
000

<210> 1351

<400> 1351
000

<210> 1352

<400> 1352
000

<210> 1353

<400> 1353
000

<210> 1354

<400> 1354
000

<210> 1355

<400> 1355
000

<210> 1356

<400> 1356
000

<210> 1357

<400> 1357
000

<210> 1358

<400> 1358
000

<210> 1359

<400> 1359
000

<210> 1360

<400> 1360
000

<210> 1361

<400> 1361
000

<210> 1362

<400> 1362
000

<210> 1363

<400> 1363
000

<210> 1364

<400> 1364
000

<210> 1365

<400> 1365
000


<210> 1366

<400> 1366
000


<210> 1367

<400> 1367
000


<210> 1368

<400> 1368
000


<210> 1369

<400> 1369
000


<210> 1370

<400> 1370
000


<210> 1371

<400> 1371
000


<210> 1372

<400> 1372
000


<210> 1373

<400> 1373
000

<210> 1374

<400> 1374
000


<210> 1375

<400> 1375
000


<210> 1376

<400> 1376
000


<210> 1377

<400> 1377
000


<210> 1378

<400> 1378
000


<210> 1379

<400> 1379
000


<210> 1380

<400> 1380
000


<210> 1381

<400> 1381
000


<210> 1382

<400> 1382
000

<210> 1383

<400> 1383
000

<210> 1384

<400> 1384
000

<210> 1385

<400> 1385
000

<210> 1386

<400> 1386
000

<210> 1387

<400> 1387
000

<210> 1388

<400> 1388
000

<210> 1389

<400> 1389
000

<210> 1390

<400> 1390
000

<210> 1391

<400> 1391

000

<210> 1392

<400> 1392
000

<210> 1393

<400> 1393
000

<210> 1394

<400> 1394
000

<210> 1395

<400> 1395
000

<210> 1396

<400> 1396
000

<210> 1397

<400> 1397
000

<210> 1398

<400> 1398
000

<210> 1399

<400> 1399
000

<210> 1400

<400> 1400
000

<210> 1401

<400> 1401
000

<210> 1402

<400> 1402
000

<210> 1403

<400> 1403
000

<210> 1404

<400> 1404
000

<210> 1405

<400> 1405
000

<210> 1406

<400> 1406
000

<210> 1407

<400> 1407
000

<210> 1408

<400> 1408
000

<210> 1409

<400> 1409
000

<210> 1410

<400> 1410
000

<210> 1411

<400> 1411
000

<210> 1412

<400> 1412
000

<210> 1413

<400> 1413
000

<210> 1414

<400> 1414
000

<210> 1415

<400> 1415
000

<210> 1416

<400> 1416
000

<210> 1417

<400> 1417
000

<210> 1418

<400> 1418
000


<210> 1419

<400> 1419
000


<210> 1420

<400> 1420
000


<210> 1421

<400> 1421
000


<210> 1422

<400> 1422
000


<210> 1423

<400> 1423
000


<210> 1424

<400> 1424
000


<210> 1425

<400> 1425
000


<210> 1426

<400> 1426
000

<210> 1427

<400> 1427
000


<210> 1428

<400> 1428
000


<210> 1429

<400> 1429
000


<210> 1430

<400> 1430
000


<210> 1431

<400> 1431
000


<210> 1432

<400> 1432
000


<210> 1433

<400> 1433
000


<210> 1434

<400> 1434
000


<210> 1435

<400> 1435
000

<210> 1436

<400> 1436
000


<210> 1437

<400> 1437
000


<210> 1438

<400> 1438
000


<210> 1439

<400> 1439
000


<210> 1440

<400> 1440
000


<210> 1441

<400> 1441
000


<210> 1442

<400> 1442
000


<210> 1443

<400> 1443
000


<210> 1444

<400> 1444

000

<210> 1445

<400> 1445
000

<210> 1446

<400> 1446
000

<210> 1447

<400> 1447
000

<210> 1448

<400> 1448
000

<210> 1449

<400> 1449
000

<210> 1450

<400> 1450
000

<210> 1451

<400> 1451
000

<210> 1452

<400> 1452
000

<210> 1453

<400> 1453
000

<210> 1454

<400> 1454
000

<210> 1455

<400> 1455
000

<210> 1456

<400> 1456
000

<210> 1457

<400> 1457
000

<210> 1458

<400> 1458
000

<210> 1459

<400> 1459
000

<210> 1460

<400> 1460
000

<210> 1461

<400> 1461
000

<210> 1462

<400> 1462
000

<210> 1463

<400> 1463
000

<210> 1464

<400> 1464
000

<210> 1465

<400> 1465
000

<210> 1466

<400> 1466
000

<210> 1467

<400> 1467
000

<210> 1468

<400> 1468
000

<210> 1469

<400> 1469
000

<210> 1470

<400> 1470
000

<210> 1471

<400> 1471
000


<210> 1472

<400> 1472
000


<210> 1473

<400> 1473
000


<210> 1474

<400> 1474
000


<210> 1475

<400> 1475
000


<210> 1476

<400> 1476
000


<210> 1477

<400> 1477
000


<210> 1478

<400> 1478
000


<210> 1479

<400> 1479
000

<210> 1480

<400> 1480
000


<210> 1481

<400> 1481
000


<210> 1482

<400> 1482
000


<210> 1483

<400> 1483
000


<210> 1484

<400> 1484
000


<210> 1485

<400> 1485
000


<210> 1486

<400> 1486
000


<210> 1487

<400> 1487
000


<210> 1488

<400> 1488
000

<210> 1489

<400> 1489
000

<210> 1490

<400> 1490
000

<210> 1491

<400> 1491
000

<210> 1492

<400> 1492
000

<210> 1493

<400> 1493
000

<210> 1494

<400> 1494
000

<210> 1495

<400> 1495
000

<210> 1496

<400> 1496
000

<210> 1497

<400> 1497

000

<210> 1498

<400> 1498
000

<210> 1499

<400> 1499
000

<210> 1500

<400> 1500
000

<210> 1501

<400> 1501
000

<210> 1502

<400> 1502
000

<210> 1503

<400> 1503
000

<210> 1504

<400> 1504
000

<210> 1505

<400> 1505
000

<210> 1506

<400> 1506
000

<210> 1507

<400> 1507
000

<210> 1508

<400> 1508
000

<210> 1509

<400> 1509
000

<210> 1510

<400> 1510
000

<210> 1511

<400> 1511
000

<210> 1512

<400> 1512
000

<210> 1513

<400> 1513
000

<210> 1514

<400> 1514
000

<210> 1515

<400> 1515
000

<210> 1516

<400> 1516
000

<210> 1517

<400> 1517
000

<210> 1518

<400> 1518
000

<210> 1519

<400> 1519
000

<210> 1520

<400> 1520
000

<210> 1521

<400> 1521
000

<210> 1522

<400> 1522
000

<210> 1523

<400> 1523
000

<210> 1524

<400> 1524
000


<210> 1525

<400> 1525
000


<210> 1526

<400> 1526
000


<210> 1527

<400> 1527
000


<210> 1528

<400> 1528
000


<210> 1529

<400> 1529
000


<210> 1530

<400> 1530
000


<210> 1531

<400> 1531
000


<210> 1532

<400> 1532
000

<210> 1533

<400> 1533
000

<210> 1534

<400> 1534
000

<210> 1535

<400> 1535
000

<210> 1536

<400> 1536
000

<210> 1537

<400> 1537
000

<210> 1538

<400> 1538
000

<210> 1539

<400> 1539
000

<210> 1540

<400> 1540
000

<210> 1541

<400> 1541
000

<210> 1542

<400> 1542
000


<210> 1543

<400> 1543
000


<210> 1544

<400> 1544
000


<210> 1545

<400> 1545
000


<210> 1546

<400> 1546
000


<210> 1547

<400> 1547
000


<210> 1548

<400> 1548
000


<210> 1549

<400> 1549
000


<210> 1550

<400> 1550

000

<210> 1551

<400> 1551
000

<210> 1552

<400> 1552
000

<210> 1553

<400> 1553
000

<210> 1554

<400> 1554
000

<210> 1555

<400> 1555
000

<210> 1556

<400> 1556
000

<210> 1557

<400> 1557
000

<210> 1558

<400> 1558
000

<210> 1559

<400> 1559
000

<210> 1560

<400> 1560
000

<210> 1561

<400> 1561
000

<210> 1562

<400> 1562
000

<210> 1563

<400> 1563
000

<210> 1564

<400> 1564
000

<210> 1565

<400> 1565
000

<210> 1566

<400> 1566
000

<210> 1567

<400> 1567
000

<210> 1568

<400> 1568
000

<210> 1569

<400> 1569
000

<210> 1570

<400> 1570
000

<210> 1571

<400> 1571
000

<210> 1572

<400> 1572
000

<210> 1573

<400> 1573
000

<210> 1574

<400> 1574
000

<210> 1575

<400> 1575
000

<210> 1576

<400> 1576
000

<210> 1577

<400> 1577
000


<210> 1578

<400> 1578
000


<210> 1579

<400> 1579
000


<210> 1580

<400> 1580
000


<210> 1581

<400> 1581
000


<210> 1582

<400> 1582
000


<210> 1583

<400> 1583
000


<210> 1584

<400> 1584
000


<210> 1585

<400> 1585
000

<210> 1586

<400> 1586
000

<210> 1587

<400> 1587
000

<210> 1588

<400> 1588
000

<210> 1589

<400> 1589
000

<210> 1590

<400> 1590
000

<210> 1591

<400> 1591
000

<210> 1592

<400> 1592
000

<210> 1593

<400> 1593
000

<210> 1594

<400> 1594
000

<210> 1595

<400> 1595
000


<210> 1596

<400> 1596
000


<210> 1597

<400> 1597
000


<210> 1598

<400> 1598
000


<210> 1599

<400> 1599
000


<210> 1600

<400> 1600
000


<210> 1601

<400> 1601
000


<210> 1602

<400> 1602
000


<210> 1603

<400> 1603

000

<210> 1604

<400> 1604
000

<210> 1605

<400> 1605
000

<210> 1606

<400> 1606
000

<210> 1607

<400> 1607
000

<210> 1608

<400> 1608
000

<210> 1609

<400> 1609
000

<210> 1610

<400> 1610
000

<210> 1611

<400> 1611
000

<210> 1612

<400> 1612
000

<210> 1613

<400> 1613
000

<210> 1614

<400> 1614
000

<210> 1615

<400> 1615
000

<210> 1616

<400> 1616
000

<210> 1617

<400> 1617
000

<210> 1618

<400> 1618
000

<210> 1619

<400> 1619
000

<210> 1620

<400> 1620
000

<210> 1621

<400> 1621
000

<210> 1622

<400> 1622
000

<210> 1623

<400> 1623
000

<210> 1624

<400> 1624
000

<210> 1625

<400> 1625
000

<210> 1626

<400> 1626
000

<210> 1627

<400> 1627
000

<210> 1628

<400> 1628
000

<210> 1629

<400> 1629
000

<210> 1630

<400> 1630
000


<210> 1631

<400> 1631
000


<210> 1632

<400> 1632
000


<210> 1633

<400> 1633
000


<210> 1634

<400> 1634
000


<210> 1635

<400> 1635
000


<210> 1636

<400> 1636
000


<210> 1637

<400> 1637
000


<210> 1638

<400> 1638
000

<210> 1639

<400> 1639
000


<210> 1640

<400> 1640
000


<210> 1641

<400> 1641
000


<210> 1642

<400> 1642
000


<210> 1643

<400> 1643
000


<210> 1644

<400> 1644
000


<210> 1645

<400> 1645
000


<210> 1646

<400> 1646
000


<210> 1647

<400> 1647
000

<210> 1648

<400> 1648
000


<210> 1649

<400> 1649
000


<210> 1650

<400> 1650
000


<210> 1651

<400> 1651
000


<210> 1652

<400> 1652
000


<210> 1653

<400> 1653
000


<210> 1654

<400> 1654
000


<210> 1655

<400> 1655
000


<210> 1656

<400> 1656

000

<210> 1657

<400> 1657
000

<210> 1658

<400> 1658
000

<210> 1659

<400> 1659
000

<210> 1660

<400> 1660
000

<210> 1661

<400> 1661
000

<210> 1662

<400> 1662
000

<210> 1663

<400> 1663
000

<210> 1664

<400> 1664
000

<210> 1665

<400> 1665
000

<210> 1666

<400> 1666
000

<210> 1667

<400> 1667
000

<210> 1668

<400> 1668
000

<210> 1669

<400> 1669
000

<210> 1670

<400> 1670
000

<210> 1671

<400> 1671
000

<210> 1672

<400> 1672
000

<210> 1673

<400> 1673
000

<210> 1674

<400> 1674
000

<210> 1675

<400> 1675
000

<210> 1676

<400> 1676
000

<210> 1677

<400> 1677
000

<210> 1678

<400> 1678
000

<210> 1679

<400> 1679
000

<210> 1680

<400> 1680
000

<210> 1681

<400> 1681
000

<210> 1682

<400> 1682
000

<210> 1683

<400> 1683
000


<210> 1684

<400> 1684
000


<210> 1685

<400> 1685
000


<210> 1686

<400> 1686
000


<210> 1687

<400> 1687
000


<210> 1688

<400> 1688
000


<210> 1689

<400> 1689
000


<210> 1690

<400> 1690
000


<210> 1691

<400> 1691
000

<210> 1692

<400> 1692
000


<210> 1693

<400> 1693
000


<210> 1694

<400> 1694
000


<210> 1695

<400> 1695
000


<210> 1696

<400> 1696
000


<210> 1697

<400> 1697
000


<210> 1698

<400> 1698
000


<210> 1699

<400> 1699
000


<210> 1700

<400> 1700
000

<210> 1701

<400> 1701
000


<210> 1702

<400> 1702
000


<210> 1703

<400> 1703
000


<210> 1704

<400> 1704
000


<210> 1705

<400> 1705
000


<210> 1706

<400> 1706
000


<210> 1707

<400> 1707
000


<210> 1708

<400> 1708
000


<210> 1709

<400> 1709

000

<210> 1710

<400> 1710
000

<210> 1711

<400> 1711
000

<210> 1712

<400> 1712
000

<210> 1713

<400> 1713
000

<210> 1714

<400> 1714
000

<210> 1715

<400> 1715
000

<210> 1716

<400> 1716
000

<210> 1717

<400> 1717
000

<210> 1718

<400> 1718
000

<210> 1719

<400> 1719
000

<210> 1720

<400> 1720
000

<210> 1721

<400> 1721
000

<210> 1722

<400> 1722
000

<210> 1723

<400> 1723
000

<210> 1724

<400> 1724
000

<210> 1725

<400> 1725
000

<210> 1726

<400> 1726
000

<210> 1727

<400> 1727
000

<210> 1728

<400> 1728
000

<210> 1729

<400> 1729
000

<210> 1730

<400> 1730
000

<210> 1731

<400> 1731
000

<210> 1732

<400> 1732
000

<210> 1733

<400> 1733
000

<210> 1734

<400> 1734
000

<210> 1735

<400> 1735
000

<210> 1736

<400> 1736
000

<210> 1737

<400> 1737
000

<210> 1738

<400> 1738
000

<210> 1739

<400> 1739
000

<210> 1740

<400> 1740
000

<210> 1741

<400> 1741
000

<210> 1742

<400> 1742
000

<210> 1743

<400> 1743
000

<210> 1744

<400> 1744
000

<210> 1745

<400> 1745
000

<210> 1746

<400> 1746
000

<210> 1747

<400> 1747
000

<210> 1748

<400> 1748
000

<210> 1749

<400> 1749
000

<210> 1750

<400> 1750
000

<210> 1751

<400> 1751
000

<210> 1752

<400> 1752
000

<210> 1753

<400> 1753
000

<210> 1754

<400> 1754
000


<210> 1755

<400> 1755
000


<210> 1756

<400> 1756
000


<210> 1757

<400> 1757
000


<210> 1758

<400> 1758
000


<210> 1759

<400> 1759
000


<210> 1760

<400> 1760
000


<210> 1761

<400> 1761
000


<210> 1762

<400> 1762

000

<210> 1763

<400> 1763
000

<210> 1764

<400> 1764
000

<210> 1765

<400> 1765
000

<210> 1766

<400> 1766
000

<210> 1767

<400> 1767
000

<210> 1768

<400> 1768
000

<210> 1769

<400> 1769
000

<210> 1770

<400> 1770
000

<210> 1771

<400> 1771
000

<210> 1772

<400> 1772
000

<210> 1773

<400> 1773
000

<210> 1774

<400> 1774
000

<210> 1775

<400> 1775
000

<210> 1776

<400> 1776
000

<210> 1777

<400> 1777
000

<210> 1778

<400> 1778
000

<210> 1779

<400> 1779
000

<210> 1780

<400> 1780
000

<210> 1781

<400> 1781
000

<210> 1782

<400> 1782
000

<210> 1783

<400> 1783
000

<210> 1784

<400> 1784
000

<210> 1785

<400> 1785
000

<210> 1786

<400> 1786
000

<210> 1787

<400> 1787
000

<210> 1788

<400> 1788
000

<210> 1789

<400> 1789
000

<210> 1790

<400> 1790
000

<210> 1791

<400> 1791
000

<210> 1792

<400> 1792
000

<210> 1793

<400> 1793
000

<210> 1794

<400> 1794
000

<210> 1795

<400> 1795
000

<210> 1796

<400> 1796
000

<210> 1797

<400> 1797
000

<210> 1798

<400> 1798
000


<210> 1799

<400> 1799
000


<210> 1800

<400> 1800
000


<210> 1801

<400> 1801
000


<210> 1802

<400> 1802
000


<210> 1803

<400> 1803
000


<210> 1804

<400> 1804
000


<210> 1805

<400> 1805
000


<210> 1806

<400> 1806
000

<210> 1807

<400> 1807
000


<210> 1808

<400> 1808
000


<210> 1809

<400> 1809
000


<210> 1810

<400> 1810
000


<210> 1811

<400> 1811
000


<210> 1812

<400> 1812
000


<210> 1813

<400> 1813
000


<210> 1814

<400> 1814
000


<210> 1815

<400> 1815

000

<210> 1816

<400> 1816
000

<210> 1817

<400> 1817
000

<210> 1818

<400> 1818
000

<210> 1819

<400> 1819
000

<210> 1820

<400> 1820
000

<210> 1821

<400> 1821
000

<210> 1822

<400> 1822
000

<210> 1823

<400> 1823
000

<210> 1824

<400> 1824
000

<210> 1825

<400> 1825
000

<210> 1826

<400> 1826
000

<210> 1827

<400> 1827
000

<210> 1828

<400> 1828
000

<210> 1829

<400> 1829
000

<210> 1830

<400> 1830
000

<210> 1831

<400> 1831
000

<210> 1832

<400> 1832
000

<210> 1833

<400> 1833
000

<210> 1834

<400> 1834
000

<210> 1835

<400> 1835
000

<210> 1836

<400> 1836
000

<210> 1837

<400> 1837
000

<210> 1838

<400> 1838
000

<210> 1839

<400> 1839
000

<210> 1840

<400> 1840
000

<210> 1841

<400> 1841
000

<210> 1842

<400> 1842
000


<210> 1843

<400> 1843
000


<210> 1844

<400> 1844
000


<210> 1845

<400> 1845
000


<210> 1846

<400> 1846
000


<210> 1847

<400> 1847
000


<210> 1848

<400> 1848
000


<210> 1849

<400> 1849
000


<210> 1850

<400> 1850
000

<210> 1851

<400> 1851
000

<210> 1852

<400> 1852
000

<210> 1853

<400> 1853
000

<210> 1854

<400> 1854
000

<210> 1855

<400> 1855
000

<210> 1856

<400> 1856
000

<210> 1857

<400> 1857
000

<210> 1858

<400> 1858
000

<210> 1859

<400> 1859
000

<210> 1860

<400> 1860
000


<210> 1861

<400> 1861
000


<210> 1862

<400> 1862
000


<210> 1863

<400> 1863
000


<210> 1864

<400> 1864
000


<210> 1865

<400> 1865
000


<210> 1866

<400> 1866
000


<210> 1867

<400> 1867
000


<210> 1868

<400> 1868

000

<210> 1869

<400> 1869
000

<210> 1870

<400> 1870
000

<210> 1871

<400> 1871
000

<210> 1872

<400> 1872
000

<210> 1873

<400> 1873
000

<210> 1874

<400> 1874
000

<210> 1875

<400> 1875
000

<210> 1876

<400> 1876
000

<210> 1877

<400> 1877
000

<210> 1878

<400> 1878
000

<210> 1879

<400> 1879
000

<210> 1880

<400> 1880
000

<210> 1881

<400> 1881
000

<210> 1882

<400> 1882
000

<210> 1883

<400> 1883
000

<210> 1884

<400> 1884
000

<210> 1885

<400> 1885
000

<210> 1886

<400> 1886
000

<210> 1887

<400> 1887
000

<210> 1888

<400> 1888
000

<210> 1889

<400> 1889
000

<210> 1890

<400> 1890
000

<210> 1891

<400> 1891
000

<210> 1892

<400> 1892
000

<210> 1893

<400> 1893
000

<210> 1894

<400> 1894
000

<210> 1895

<400> 1895
000


<210> 1896

<400> 1896
000


<210> 1897

<400> 1897
000


<210> 1898

<400> 1898
000


<210> 1899

<400> 1899
000


<210> 1900

<400> 1900
000


<210> 1901

<400> 1901
000


<210> 1902

<400> 1902
000


<210> 1903

<400> 1903
000

<210> 1904

<400> 1904
000


<210> 1905

<400> 1905
000


<210> 1906

<400> 1906
000


<210> 1907

<400> 1907
000


<210> 1908

<400> 1908
000


<210> 1909

<400> 1909
000


<210> 1910

<400> 1910
000


<210> 1911

<400> 1911
000


<210> 1912

<400> 1912
000

<210> 1913

<400> 1913
000


<210> 1914

<400> 1914
000


<210> 1915

<400> 1915
000


<210> 1916

<400> 1916
000


<210> 1917

<400> 1917
000


<210> 1918

<400> 1918
000


<210> 1919

<400> 1919
000


<210> 1920

<400> 1920
000


<210> 1921

<400> 1921

000

<210> 1922

<400> 1922
000

<210> 1923

<400> 1923
000

<210> 1924

<400> 1924
000

<210> 1925

<400> 1925
000

<210> 1926

<400> 1926
000

<210> 1927

<400> 1927
000

<210> 1928

<400> 1928
000

<210> 1929

<400> 1929
000

<210> 1930

<400> 1930
000

<210> 1931

<400> 1931
000

<210> 1932

<400> 1932
000

<210> 1933

<400> 1933
000

<210> 1934

<400> 1934
000

<210> 1935

<400> 1935
000

<210> 1936

<400> 1936
000

<210> 1937

<400> 1937
000

<210> 1938

<400> 1938
000

<210> 1939

<400> 1939
000

<210> 1940

<400> 1940
000

<210> 1941

<400> 1941
000

<210> 1942

<400> 1942
000

<210> 1943

<400> 1943
000

<210> 1944

<400> 1944
000

<210> 1945

<400> 1945
000

<210> 1946

<400> 1946
000

<210> 1947

<400> 1947
000

<210> 1948

<400> 1948
000


<210> 1949

<400> 1949
000


<210> 1950

<400> 1950
000


<210> 1951

<400> 1951
000


<210> 1952

<400> 1952
000


<210> 1953

<400> 1953
000


<210> 1954

<400> 1954
000


<210> 1955

<400> 1955
000


<210> 1956

<400> 1956
000

<210> 1957

<400> 1957
000


<210> 1958

<400> 1958
000


<210> 1959

<400> 1959
000


<210> 1960

<400> 1960
000


<210> 1961

<400> 1961
000


<210> 1962

<400> 1962
000


<210> 1963

<400> 1963
000


<210> 1964

<400> 1964
000


<210> 1965

<400> 1965
000

<210> 1966

<400> 1966
000


<210> 1967

<400> 1967
000


<210> 1968

<400> 1968
000


<210> 1969

<400> 1969
000


<210> 1970

<400> 1970
000


<210> 1971

<400> 1971
000


<210> 1972

<400> 1972
000


<210> 1973

<400> 1973
000


<210> 1974

<400> 1974

000

<210> 1975

<400> 1975
000

<210> 1976

<400> 1976
000

<210> 1977

<400> 1977
000

<210> 1978

<400> 1978
000

<210> 1979

<400> 1979
000

<210> 1980

<400> 1980
000

<210> 1981

<400> 1981
000

<210> 1982

<400> 1982
000

<210> 1983

<400> 1983
000

<210> 1984

<400> 1984
000

<210> 1985

<400> 1985
000

<210> 1986

<400> 1986
000

<210> 1987

<400> 1987
000

<210> 1988

<400> 1988
000

<210> 1989

<400> 1989
000

<210> 1990

<400> 1990
000

<210> 1991

<400> 1991
000

<210> 1992

<400> 1992
000

<210> 1993

<400> 1993
000

<210> 1994

<400> 1994
000

<210> 1995

<400> 1995
000

<210> 1996

<400> 1996
000

<210> 1997

<400> 1997
000

<210> 1998

<400> 1998
000

<210> 1999

<400> 1999
000

<210> 2000

<400> 2000
000

<210> 2001

<400> 2001
000

<210> 2002

<400> 2002
000

<210> 2003

<400> 2003
000

<210> 2004

<400> 2004
000

<210> 2005

<400> 2005
000

<210> 2006

<400> 2006
000

<210> 2007

<400> 2007
000

<210> 2008

<400> 2008
000

<210> 2009

<400> 2009
000

<210> 2010

<400> 2010
000


<210> 2011

<400> 2011
000


<210> 2012

<400> 2012
000


<210> 2013

<400> 2013
000


<210> 2014

<400> 2014
000


<210> 2015

<400> 2015
000


<210> 2016

<400> 2016
000


<210> 2017

<400> 2017
000


<210> 2018

<400> 2018
000

<210> 2019

<400> 2019
000

<210> 2020

<400> 2020
000

<210> 2021

<400> 2021
000

<210> 2022

<400> 2022
000

<210> 2023

<400> 2023
000

<210> 2024

<400> 2024
000

<210> 2025

<400> 2025
000

<210> 2026

<400> 2026
000

<210> 2027

<400> 2027

000

<210> 2028

<400> 2028
000

<210> 2029

<400> 2029
000

<210> 2030

<400> 2030
000

<210> 2031

<400> 2031
000

<210> 2032

<400> 2032
000

<210> 2033

<400> 2033
000

<210> 2034

<400> 2034
000

<210> 2035

<400> 2035
000

<210> 2036

<400> 2036
000

<210> 2037

<400> 2037
000

<210> 2038

<400> 2038
000

<210> 2039

<400> 2039
000

<210> 2040

<400> 2040
000

<210> 2041

<400> 2041
000

<210> 2042

<400> 2042
000

<210> 2043

<400> 2043
000

<210> 2044

<400> 2044
000

<210> 2045

<400> 2045
000

<210> 2046

<400> 2046
000

<210> 2047

<400> 2047
000

<210> 2048

<400> 2048
000

<210> 2049

<400> 2049
000

<210> 2050

<400> 2050
000

<210> 2051

<400> 2051
000

<210> 2052

<400> 2052
000

<210> 2053

<400> 2053
000

<210> 2054

<400> 2054
000


<210> 2055

<400> 2055
000


<210> 2056

<400> 2056
000


<210> 2057

<400> 2057
000


<210> 2058

<400> 2058
000


<210> 2059

<400> 2059
000


<210> 2060

<400> 2060
000


<210> 2061

<400> 2061
000


<210> 2062

<400> 2062
000

<210> 2063

<400> 2063
000

<210> 2064

<400> 2064
000

<210> 2065

<400> 2065
000

<210> 2066

<400> 2066
000

<210> 2067

<400> 2067
000

<210> 2068

<400> 2068
000

<210> 2069

<400> 2069
000

<210> 2070

<400> 2070
000

<210> 2071

<400> 2071
000

<210> 2072

<400> 2072
000


<210> 2073

<400> 2073
000


<210> 2074

<400> 2074
000


<210> 2075

<400> 2075
000


<210> 2076

<400> 2076
000


<210> 2077

<400> 2077
000


<210> 2078

<400> 2078
000


<210> 2079

<400> 2079
000


<210> 2080

<400> 2080

000

<210> 2081

<400> 2081
000

<210> 2082

<400> 2082
000

<210> 2083

<400> 2083
000

<210> 2084

<400> 2084
000

<210> 2085

<400> 2085
000

<210> 2086

<400> 2086
000

<210> 2087

<400> 2087
000

<210> 2088

<400> 2088
000

<210> 2089

<400> 2089
000

<210> 2090

<400> 2090
000

<210> 2091

<400> 2091
000

<210> 2092

<400> 2092
000

<210> 2093

<400> 2093
000

<210> 2094

<400> 2094
000

<210> 2095

<400> 2095
000

<210> 2096

<400> 2096
000

<210> 2097

<400> 2097
000

<210> 2098

<400> 2098
000

<210> 2099

<400> 2099
000

<210> 2100

<400> 2100
000

<210> 2101

<400> 2101
000

<210> 2102

<400> 2102
000

<210> 2103

<400> 2103
000

<210> 2104

<400> 2104
000

<210> 2105

<400> 2105
000

<210> 2106

<400> 2106
000

<210> 2107

<400> 2107
000


<210> 2108

<400> 2108
000


<210> 2109

<400> 2109
000


<210> 2110

<400> 2110
000


<210> 2111

<400> 2111
000


<210> 2112

<400> 2112
000


<210> 2113

<400> 2113
000


<210> 2114

<400> 2114
000


<210> 2115

<400> 2115
000

<210> 2116

<400> 2116
000


<210> 2117

<400> 2117
000


<210> 2118

<400> 2118
000


<210> 2119

<400> 2119
000


<210> 2120

<400> 2120
000


<210> 2121

<400> 2121
000


<210> 2122

<400> 2122
000


<210> 2123

<400> 2123
000


<210> 2124

<400> 2124
000

<210> 2125

<400> 2125
000


<210> 2126

<400> 2126
000


<210> 2127

<400> 2127
000


<210> 2128

<400> 2128
000


<210> 2129

<400> 2129
000


<210> 2130

<400> 2130
000


<210> 2131

<400> 2131
000


<210> 2132

<400> 2132
000


<210> 2133

<400> 2133

000

<210> 2134

<400> 2134
000

<210> 2135

<400> 2135
000

<210> 2136

<400> 2136
000

<210> 2137

<400> 2137
000

<210> 2138

<400> 2138
000

<210> 2139

<400> 2139
000

<210> 2140

<400> 2140
000

<210> 2141

<400> 2141
000

<210> 2142

<400> 2142
000

<210> 2143

<400> 2143
000

<210> 2144

<400> 2144
000

<210> 2145

<400> 2145
000

<210> 2146

<400> 2146
000

<210> 2147

<400> 2147
000

<210> 2148

<400> 2148
000

<210> 2149

<400> 2149
000

<210> 2150

<400> 2150
000

<210> 2151

<400> 2151
000

<210> 2152

<400> 2152
000

<210> 2153

<400> 2153
000

<210> 2154

<400> 2154
000

<210> 2155

<400> 2155
000

<210> 2156

<400> 2156
000

<210> 2157

<400> 2157
000

<210> 2158

<400> 2158
000

<210> 2159

<400> 2159
000

<210> 2160

<400> 2160
000


<210> 2161

<400> 2161
000


<210> 2162

<400> 2162
000


<210> 2163

<400> 2163
000


<210> 2164

<400> 2164
000


<210> 2165

<400> 2165
000


<210> 2166

<400> 2166
000


<210> 2167

<400> 2167
000


<210> 2168

<400> 2168
000

<210> 2169

<400> 2169
000


<210> 2170

<400> 2170
000


<210> 2171

<400> 2171
000


<210> 2172

<400> 2172
000


<210> 2173

<400> 2173
000


<210> 2174

<400> 2174
000


<210> 2175

<400> 2175
000


<210> 2176

<400> 2176
000


<210> 2177

<400> 2177
000

<210> 2178

<400> 2178
000


<210> 2179

<400> 2179
000


<210> 2180

<400> 2180
000


<210> 2181

<400> 2181
000


<210> 2182

<400> 2182
000


<210> 2183

<400> 2183
000


<210> 2184

<400> 2184
000


<210> 2185

<400> 2185
000


<210> 2186

<400> 2186

000

<210> 2187

<400> 2187
000

<210> 2188

<400> 2188
000

<210> 2189

<400> 2189
000

<210> 2190

<400> 2190
000

<210> 2191

<400> 2191
000

<210> 2192

<400> 2192
000

<210> 2193

<400> 2193
000

<210> 2194

<400> 2194
000

<210> 2195

<400> 2195
000

<210> 2196

<400> 2196
000

<210> 2197

<400> 2197
000

<210> 2198

<400> 2198
000

<210> 2199

<400> 2199
000

<210> 2200

<400> 2200
000

<210> 2201

<400> 2201
000

<210> 2202

<400> 2202
000

<210> 2203

<400> 2203
000

<210> 2204

<400> 2204
000

<210> 2205

<400> 2205
000

<210> 2206

<400> 2206
000

<210> 2207

<400> 2207
000

<210> 2208

<400> 2208
000

<210> 2209

<400> 2209
000

<210> 2210

<400> 2210
000

<210> 2211

<400> 2211
000

<210> 2212

<400> 2212
000

<210> 2213

<400> 2213
000


<210> 2214

<400> 2214
000


<210> 2215

<400> 2215
000


<210> 2216

<400> 2216
000


<210> 2217

<400> 2217
000


<210> 2218

<400> 2218
000


<210> 2219

<400> 2219
000


<210> 2220

<400> 2220
000


<210> 2221

<400> 2221
000

<210> 2222

<400> 2222
000


<210> 2223

<400> 2223
000


<210> 2224

<400> 2224
000


<210> 2225

<400> 2225
000


<210> 2226

<400> 2226
000


<210> 2227

<400> 2227
000


<210> 2228

<400> 2228
000


<210> 2229

<400> 2229
000


<210> 2230

<400> 2230
000

<210> 2231

<400> 2231
000


<210> 2232

<400> 2232
000


<210> 2233

<400> 2233
000


<210> 2234

<400> 2234
000


<210> 2235

<400> 2235
000


<210> 2236

<400> 2236
000


<210> 2237

<400> 2237
000


<210> 2238

<400> 2238
000


<210> 2239

<400> 2239

000

<210> 2240

<400> 2240
000

<210> 2241

<400> 2241
000

<210> 2242

<400> 2242
000

<210> 2243

<400> 2243
000

<210> 2244

<400> 2244
000

<210> 2245

<400> 2245
000

<210> 2246

<400> 2246
000

<210> 2247

<400> 2247
000

<210> 2248

<400> 2248
000

<210> 2249

<400> 2249
000

<210> 2250

<400> 2250
000

<210> 2251

<400> 2251
000

<210> 2252

<400> 2252
000

<210> 2253

<400> 2253
000

<210> 2254

<400> 2254
000

<210> 2255

<400> 2255
000

<210> 2256

<400> 2256
000

<210> 2257

<400> 2257
000

<210> 2258

<400> 2258
000

<210> 2259

<400> 2259
000

<210> 2260

<400> 2260
000

<210> 2261

<400> 2261
000

<210> 2262

<400> 2262
000

<210> 2263

<400> 2263
000

<210> 2264

<400> 2264
000

<210> 2265

<400> 2265
000

<210> 2266

<400> 2266
000

<210> 2267

<400> 2267
000

<210> 2268

<400> 2268
000

<210> 2269

<400> 2269
000

<210> 2270

<400> 2270
000

<210> 2271

<400> 2271
000

<210> 2272

<400> 2272
000

<210> 2273

<400> 2273
000

<210> 2274

<400> 2274
000

<210> 2275

<400> 2275
000

<210> 2276

<400> 2276
000

<210> 2277

<400> 2277
000

<210> 2278

<400> 2278
000

<210> 2279

<400> 2279
000

<210> 2280

<400> 2280
000

<210> 2281

<400> 2281
000

<210> 2282

<400> 2282
000

<210> 2283

<400> 2283
000

<210> 2284

<400> 2284
000


<210> 2285

<400> 2285
000


<210> 2286

<400> 2286
000


<210> 2287

<400> 2287
000


<210> 2288

<400> 2288
000


<210> 2289

<400> 2289
000


<210> 2290

<400> 2290
000


<210> 2291

<400> 2291
000


<210> 2292

<400> 2292

000

<210> 2293

<400> 2293
000

<210> 2294

<400> 2294
000

<210> 2295

<400> 2295
000

<210> 2296

<400> 2296
000

<210> 2297

<400> 2297
000

<210> 2298

<400> 2298
000

<210> 2299

<400> 2299
000

<210> 2300

<400> 2300
000

<210> 2301

<400> 2301
000

<210> 2302

<400> 2302
000

<210> 2303

<400> 2303
000

<210> 2304

<400> 2304
000

<210> 2305

<400> 2305
000

<210> 2306

<400> 2306
000

<210> 2307

<400> 2307
000

<210> 2308

<400> 2308
000

<210> 2309

<400> 2309
000

<210> 2310

<400> 2310
000

<210> 2311

<400> 2311
000

<210> 2312

<400> 2312
000

<210> 2313

<400> 2313
000

<210> 2314

<400> 2314
000

<210> 2315

<400> 2315
000

<210> 2316

<400> 2316
000

<210> 2317

<400> 2317
000

<210> 2318

<400> 2318
000

<210> 2319

<400> 2319
000


<210> 2320

<400> 2320
000


<210> 2321

<400> 2321
000


<210> 2322

<400> 2322
000


<210> 2323

<400> 2323
000


<210> 2324

<400> 2324
000


<210> 2325

<400> 2325
000


<210> 2326

<400> 2326
000


<210> 2327

<400> 2327
000

<210> 2328

<400> 2328
000

<210> 2329

<400> 2329
000

<210> 2330

<400> 2330
000

<210> 2331

<400> 2331
000

<210> 2332

<400> 2332
000

<210> 2333

<400> 2333
000

<210> 2334

<400> 2334
000

<210> 2335

<400> 2335
000

<210> 2336

<400> 2336
000

<210> 2337

<400> 2337
000

<210> 2338

<400> 2338
000

<210> 2339

<400> 2339
000

<210> 2340

<400> 2340
000

<210> 2341

<400> 2341
000

<210> 2342

<400> 2342
000

<210> 2343

<400> 2343
000

<210> 2344

<400> 2344
000

<210> 2345

<400> 2345

000

<210> 2346

<400> 2346
000

<210> 2347

<400> 2347
000

<210> 2348

<400> 2348
000

<210> 2349

<400> 2349
000

<210> 2350

<400> 2350
000

<210> 2351

<400> 2351
000

<210> 2352

<400> 2352
000

<210> 2353

<400> 2353
000

<210> 2354

<400> 2354
000

<210> 2355

<400> 2355
000

<210> 2356

<400> 2356
000

<210> 2357

<400> 2357
000

<210> 2358

<400> 2358
000

<210> 2359

<400> 2359
000

<210> 2360

<400> 2360
000

<210> 2361

<400> 2361
000

<210> 2362

<400> 2362
000

<210> 2363

<400> 2363
000

<210> 2364

<400> 2364
000

<210> 2365

<400> 2365
000

<210> 2366

<400> 2366
000

<210> 2367

<400> 2367
000

<210> 2368

<400> 2368
000

<210> 2369

<400> 2369
000

<210> 2370

<400> 2370
000

<210> 2371

<400> 2371
000

<210> 2372

<400> 2372
000


<210> 2373

<400> 2373
000


<210> 2374

<400> 2374
000


<210> 2375

<400> 2375
000


<210> 2376

<400> 2376
000


<210> 2377

<400> 2377
000


<210> 2378

<400> 2378
000


<210> 2379

<400> 2379
000


<210> 2380

<400> 2380
000

<210> 2381

<400> 2381
000

<210> 2382

<400> 2382
000

<210> 2383

<400> 2383
000

<210> 2384

<400> 2384
000

<210> 2385

<400> 2385
000

<210> 2386

<400> 2386
000

<210> 2387

<400> 2387
000

<210> 2388

<400> 2388
000

<210> 2389

<400> 2389
000

<210> 2390

<400> 2390
000

<210> 2391

<400> 2391
000

<210> 2392

<400> 2392
000

<210> 2393

<400> 2393
000

<210> 2394

<400> 2394
000

<210> 2395

<400> 2395
000

<210> 2396

<400> 2396
000

<210> 2397

<400> 2397
000

<210> 2398

<400> 2398

000

<210> 2399

<400> 2399
000

<210> 2400

<400> 2400
000

<210> 2401

<400> 2401
000

<210> 2402

<400> 2402
000

<210> 2403

<400> 2403
000

<210> 2404

<400> 2404
000

<210> 2405

<400> 2405
000

<210> 2406

<400> 2406
000

<210> 2407

<400> 2407
000


<210> 2408

<400> 2408
000


<210> 2409

<400> 2409
000


<210> 2410

<400> 2410
000


<210> 2411

<400> 2411
000


<210> 2412

<400> 2412
000


<210> 2413

<400> 2413
000


<210> 2414

<400> 2414
000


<210> 2415

<400> 2415
000


<210> 2416

<400> 2416
000

<210> 2417

<400> 2417
000

<210> 2418

<400> 2418
000

<210> 2419

<400> 2419
000

<210> 2420

<400> 2420
000

<210> 2421

<400> 2421
000

<210> 2422

<400> 2422
000

<210> 2423

<400> 2423
000

<210> 2424

<400> 2424
000

<210> 2425

<400> 2425
000


<210> 2426

<400> 2426
000


<210> 2427

<400> 2427
000


<210> 2428

<400> 2428
000


<210> 2429

<400> 2429
000


<210> 2430

<400> 2430
000


<210> 2431

<400> 2431
000


<210> 2432

<400> 2432
000


<210> 2433

<400> 2433
000

<210> 2434

<400> 2434
000

<210> 2435

<400> 2435
000

<210> 2436

<400> 2436
000

<210> 2437

<400> 2437
000

<210> 2438

<400> 2438
000

<210> 2439

<400> 2439
000

<210> 2440

<400> 2440
000

<210> 2441

<400> 2441
000

<210> 2442

<400> 2442
000

<210> 2443

<400> 2443
000

<210> 2444

<400> 2444
000

<210> 2445

<400> 2445
000

<210> 2446

<400> 2446
000

<210> 2447

<400> 2447
000

<210> 2448

<400> 2448
000

<210> 2449

<400> 2449
000

<210> 2450

<400> 2450
000

<210> 2451

<400> 2451

000

<210> 2452

<400> 2452
000

<210> 2453

<400> 2453
000

<210> 2454

<400> 2454
000

<210> 2455

<400> 2455
000

<210> 2456

<400> 2456
000

<210> 2457

<400> 2457
000

<210> 2458

<400> 2458
000

<210> 2459

<400> 2459
000

<210> 2460

<400> 2460
000

<210> 2461

<400> 2461
000

<210> 2462

<400> 2462
000

<210> 2463

<400> 2463
000

<210> 2464

<400> 2464
000

<210> 2465

<400> 2465
000

<210> 2466

<400> 2466
000

<210> 2467

<400> 2467
000

<210> 2468

<400> 2468
000

<210> 2469

<400> 2469
000

<210> 2470

<400> 2470
000

<210> 2471

<400> 2471
000

<210> 2472

<400> 2472
000

<210> 2473

<400> 2473
000

<210> 2474

<400> 2474
000

<210> 2475

<400> 2475
000

<210> 2476

<400> 2476
000

<210> 2477

<400> 2477
000

<210> 2478

<400> 2478
000

<210> 2479

<400> 2479
000

<210> 2480

<400> 2480
000

<210> 2481

<400> 2481
000

<210> 2482

<400> 2482
000

<210> 2483

<400> 2483
000

<210> 2484

<400> 2484
000

<210> 2485

<400> 2485
000

<210> 2486

<400> 2486
000

<210> 2487

<400> 2487
000

<210> 2488

<400> 2488
000

<210> 2489

<400> 2489
000

<210> 2490

<400> 2490
000

<210> 2491

<400> 2491
000

<210> 2492

<400> 2492
000

<210> 2493

<400> 2493
000

<210> 2494

<400> 2494
000

<210> 2495

<400> 2495
000

<210> 2496

<400> 2496
000

<210> 2497

<400> 2497
000

<210> 2498

<400> 2498
000

<210> 2499

<400> 2499
000

<210> 2500

<400> 2500
000

<210> 2501

<400> 2501
000

<210> 2502

<400> 2502
000

<210> 2503

<400> 2503
000

<210> 2504

<400> 2504

000

<210> 2505

<400> 2505
000

<210> 2506

<400> 2506
000

<210> 2507

<400> 2507
000

<210> 2508

<400> 2508
000

<210> 2509

<400> 2509
000

<210> 2510

<400> 2510
000

<210> 2511

<400> 2511
000

<210> 2512

<400> 2512
000

<210> 2513

<400> 2513
000

<210> 2514

<400> 2514
000

<210> 2515

<400> 2515
000

<210> 2516

<400> 2516
000

<210> 2517

<400> 2517
000

<210> 2518

<400> 2518
000

<210> 2519

<400> 2519
000

<210> 2520

<400> 2520
000

<210> 2521

<400> 2521
000

<210> 2522

<400> 2522
000

<210> 2523

<400> 2523
000

<210> 2524

<400> 2524
000

<210> 2525

<400> 2525
000

<210> 2526

<400> 2526
000

<210> 2527

<400> 2527
000

<210> 2528

<400> 2528
000

<210> 2529

<400> 2529
000

<210> 2530

<400> 2530
000

<210> 2531

<400> 2531
000


<210> 2532

<400> 2532
000


<210> 2533

<400> 2533
000


<210> 2534

<400> 2534
000


<210> 2535

<400> 2535
000


<210> 2536

<400> 2536
000


<210> 2537

<400> 2537
000


<210> 2538

<400> 2538
000


<210> 2539

<400> 2539
000

<210> 2540

<400> 2540
000


<210> 2541

<400> 2541
000


<210> 2542

<400> 2542
000


<210> 2543

<400> 2543
000


<210> 2544

<400> 2544
000


<210> 2545

<400> 2545
000


<210> 2546

<400> 2546
000


<210> 2547

<400> 2547
000


<210> 2548

<400> 2548
000

<210> 2549

<400> 2549
000


<210> 2550

<400> 2550
000


<210> 2551

<400> 2551
000


<210> 2552

<400> 2552
000


<210> 2553

<400> 2553
000


<210> 2554

<400> 2554
000


<210> 2555

<400> 2555
000


<210> 2556

<400> 2556
000


<210> 2557

<400> 2557

000

<210> 2558

<400> 2558
000

<210> 2559

<400> 2559
000

<210> 2560

<400> 2560
000

<210> 2561

<400> 2561
000

<210> 2562

<400> 2562
000

<210> 2563

<400> 2563
000

<210> 2564

<400> 2564
000

<210> 2565

<400> 2565
000

<210> 2566

<400> 2566
000

<210> 2567

<400> 2567
000

<210> 2568

<400> 2568
000

<210> 2569

<400> 2569
000

<210> 2570

<400> 2570
000

<210> 2571

<400> 2571
000

<210> 2572

<400> 2572
000

<210> 2573

<400> 2573
000

<210> 2574

<400> 2574
000

<210> 2575

<400> 2575
000

<210> 2576

<400> 2576
000

<210> 2577

<400> 2577
000

<210> 2578

<400> 2578
000

<210> 2579

<400> 2579
000

<210> 2580

<400> 2580
000

<210> 2581

<400> 2581
000

<210> 2582

<400> 2582
000

<210> 2583

<400> 2583
000

<210> 2584

<400> 2584
000


<210> 2585

<400> 2585
000


<210> 2586

<400> 2586
000


<210> 2587

<400> 2587
000


<210> 2588

<400> 2588
000


<210> 2589

<400> 2589
000


<210> 2590

<400> 2590
000


<210> 2591

<400> 2591
000


<210> 2592

<400> 2592
000

<210> 2593

<400> 2593
000

<210> 2594

<400> 2594
000

<210> 2595

<400> 2595
000

<210> 2596

<400> 2596
000

<210> 2597

<400> 2597
000

<210> 2598

<400> 2598
000

<210> 2599

<400> 2599
000

<210> 2600

<400> 2600
000

<210> 2601

<400> 2601
000

<210> 2602

<400> 2602
000


<210> 2603

<400> 2603
000


<210> 2604

<400> 2604
000


<210> 2605

<400> 2605
000


<210> 2606

<400> 2606
000


<210> 2607

<400> 2607
000


<210> 2608

<400> 2608
000


<210> 2609

<400> 2609
000


<210> 2610

<400> 2610

000

<210> 2611

<400> 2611
000

<210> 2612

<400> 2612
000

<210> 2613

<400> 2613
000

<210> 2614

<400> 2614
000

<210> 2615

<400> 2615
000

<210> 2616

<400> 2616
000

<210> 2617

<400> 2617
000

<210> 2618

<400> 2618
000

<210> 2619

<400> 2619
000

<210> 2620

<400> 2620
000

<210> 2621

<400> 2621
000

<210> 2622

<400> 2622
000

<210> 2623

<400> 2623
000

<210> 2624

<400> 2624
000

<210> 2625

<400> 2625
000

<210> 2626

<400> 2626
000

<210> 2627

<400> 2627
000

<210> 2628

<400> 2628
000

<210> 2629

<400> 2629
000

<210> 2630

<400> 2630
000

<210> 2631

<400> 2631
000

<210> 2632

<400> 2632
000

<210> 2633

<400> 2633
000

<210> 2634

<400> 2634
000

<210> 2635

<400> 2635
000

<210> 2636

<400> 2636
000

<210> 2637

<400> 2637
000


<210> 2638

<400> 2638
000


<210> 2639

<400> 2639
000


<210> 2640

<400> 2640
000


<210> 2641

<400> 2641
000


<210> 2642

<400> 2642
000


<210> 2643

<400> 2643
000


<210> 2644

<400> 2644
000


<210> 2645

<400> 2645
000

<210> 2646

<400> 2646
000


<210> 2647

<400> 2647
000


<210> 2648

<400> 2648
000


<210> 2649

<400> 2649
000


<210> 2650

<400> 2650
000


<210> 2651

<400> 2651
000


<210> 2652

<400> 2652
000


<210> 2653

<400> 2653
000


<210> 2654

<400> 2654
000

<210> 2655

<400> 2655
000


<210> 2656

<400> 2656
000


<210> 2657

<400> 2657
000


<210> 2658

<400> 2658
000


<210> 2659

<400> 2659
000


<210> 2660

<400> 2660
000


<210> 2661

<400> 2661
000


<210> 2662

<400> 2662
000


<210> 2663

<400> 2663

000

<210> 2664

<400> 2664
000

<210> 2665

<400> 2665
000

<210> 2666

<400> 2666
000

<210> 2667

<400> 2667
000

<210> 2668

<400> 2668
000

<210> 2669

<400> 2669
000

<210> 2670

<400> 2670
000

<210> 2671

<400> 2671
000

<210> 2672

<400> 2672
000

<210> 2673

<400> 2673
000

<210> 2674

<400> 2674
000

<210> 2675

<400> 2675
000

<210> 2676

<400> 2676
000

<210> 2677

<400> 2677
000

<210> 2678

<400> 2678
000

<210> 2679

<400> 2679
000

<210> 2680

<400> 2680
000

<210> 2681

<400> 2681
000

<210> 2682

<400> 2682
000

<210> 2683

<400> 2683
000

<210> 2684

<400> 2684
000

<210> 2685

<400> 2685
000

<210> 2686

<400> 2686
000

<210> 2687

<400> 2687
000

<210> 2688

<400> 2688
000

<210> 2689

<400> 2689
000

<210> 2690

<400> 2690
000


<210> 2691

<400> 2691
000


<210> 2692

<400> 2692
000


<210> 2693

<400> 2693
000


<210> 2694

<400> 2694
000


<210> 2695

<400> 2695
000


<210> 2696

<400> 2696
000


<210> 2697

<400> 2697
000


<210> 2698

<400> 2698
000

<210> 2699

<400> 2699
000


<210> 2700

<400> 2700
000


<210> 2701

<400> 2701
000


<210> 2702

<400> 2702
000


<210> 2703

<400> 2703
000


<210> 2704

<400> 2704
000


<210> 2705

<400> 2705
000


<210> 2706

<400> 2706
000


<210> 2707

<400> 2707
000

<210> 2708

<400> 2708
000

<210> 2709

<400> 2709
000

<210> 2710

<400> 2710
000

<210> 2711

<400> 2711
000

<210> 2712

<400> 2712
000

<210> 2713

<400> 2713
000

<210> 2714

<400> 2714
000

<210> 2715

<400> 2715
000

<210> 2716

<400> 2716

000

<210> 2717

<400> 2717
000

<210> 2718

<400> 2718
000

<210> 2719

<400> 2719
000

<210> 2720

<400> 2720
000

<210> 2721

<400> 2721
000

<210> 2722

<400> 2722
000

<210> 2723

<400> 2723
000

<210> 2724

<400> 2724
000

<210> 2725

<400> 2725
000

<210> 2726

<400> 2726
000

<210> 2727

<400> 2727
000

<210> 2728

<400> 2728
000

<210> 2729

<400> 2729
000

<210> 2730

<400> 2730
000

<210> 2731

<400> 2731
000

<210> 2732

<400> 2732
000

<210> 2733

<400> 2733
000

<210> 2734

<400> 2734
000

<210> 2735

<400> 2735
000

<210> 2736

<400> 2736
000

<210> 2737

<400> 2737
000

<210> 2738

<400> 2738
000

<210> 2739

<400> 2739
000

<210> 2740

<400> 2740
000

<210> 2741

<400> 2741
000

<210> 2742

<400> 2742
000

<210> 2743

<400> 2743
000


<210> 2744

<400> 2744
000


<210> 2745

<400> 2745
000


<210> 2746

<400> 2746
000


<210> 2747

<400> 2747
000


<210> 2748

<400> 2748
000


<210> 2749

<400> 2749
000


<210> 2750

<400> 2750
000


<210> 2751

<400> 2751
000

<210> 2752

<400> 2752
000

<210> 2753

<400> 2753
000

<210> 2754

<400> 2754
000

<210> 2755

<400> 2755
000

<210> 2756

<400> 2756
000

<210> 2757

<400> 2757
000

<210> 2758

<400> 2758
000

<210> 2759

<400> 2759
000

<210> 2760

<400> 2760
000

<210> 2761

<400> 2761
000

<210> 2762

<400> 2762
000

<210> 2763

<400> 2763
000

<210> 2764

<400> 2764
000

<210> 2765

<400> 2765
000

<210> 2766

<400> 2766
000

<210> 2767

<400> 2767
000

<210> 2768

<400> 2768
000

<210> 2769

<400> 2769

000

<210> 2770

<400> 2770
000

<210> 2771

<400> 2771
000

<210> 2772

<400> 2772
000

<210> 2773

<400> 2773
000

<210> 2774

<400> 2774
000

<210> 2775

<400> 2775
000

<210> 2776

<400> 2776
000

<210> 2777

<400> 2777
000

<210> 2778

<400> 2778
000

<210> 2779

<400> 2779
000

<210> 2780

<400> 2780
000

<210> 2781

<400> 2781
000

<210> 2782

<400> 2782
000

<210> 2783

<400> 2783
000

<210> 2784

<400> 2784
000

<210> 2785

<400> 2785
000

<210> 2786

<400> 2786
000

<210> 2787

<400> 2787
000

<210> 2788

<400> 2788
000

<210> 2789

<400> 2789
000

<210> 2790

<400> 2790
000

<210> 2791

<400> 2791
000

<210> 2792

<400> 2792
000

<210> 2793

<400> 2793
000

<210> 2794

<400> 2794
000

<210> 2795

<400> 2795
000

<210> 2796

<400> 2796
000


<210> 2797

<400> 2797
000


<210> 2798

<400> 2798
000


<210> 2799

<400> 2799
000


<210> 2800

<400> 2800
000


<210> 2801

<400> 2801
000


<210> 2802

<400> 2802
000


<210> 2803

<400> 2803
000


<210> 2804

<400> 2804
000

<210> 2805

<400> 2805
000


<210> 2806

<400> 2806
000


<210> 2807

<400> 2807
000


<210> 2808

<400> 2808
000


<210> 2809

<400> 2809
000


<210> 2810

<400> 2810
000


<210> 2811

<400> 2811
000


<210> 2812

<400> 2812
000


<210> 2813

<400> 2813
000

<210> 2814

<400> 2814
000


<210> 2815

<400> 2815
000


<210> 2816

<400> 2816
000


<210> 2817

<400> 2817
000


<210> 2818

<400> 2818
000


<210> 2819

<400> 2819
000


<210> 2820

<400> 2820
000


<210> 2821

<400> 2821
000


<210> 2822

<400> 2822

000

<210> 2823

<400> 2823
000

<210> 2824

<400> 2824
000

<210> 2825

<400> 2825
000

<210> 2826

<400> 2826
000

<210> 2827

<400> 2827
000

<210> 2828

<400> 2828
000

<210> 2829

<400> 2829
000

<210> 2830

<400> 2830
000

<210> 2831

<400> 2831
000

<210> 2832

<400> 2832
000

<210> 2833

<400> 2833
000

<210> 2834

<400> 2834
000

<210> 2835

<400> 2835
000

<210> 2836

<400> 2836
000

<210> 2837

<400> 2837
000

<210> 2838

<400> 2838
000

<210> 2839

<400> 2839
000

<210> 2840

<400> 2840
000

<210> 2841

<400> 2841
000

<210> 2842

<400> 2842
000

<210> 2843

<400> 2843
000

<210> 2844

<400> 2844
000

<210> 2845

<400> 2845
000

<210> 2846

<400> 2846
000

<210> 2847

<400> 2847
000

<210> 2848

<400> 2848
000

<210> 2849

<400> 2849
000


<210> 2850

<400> 2850
000


<210> 2851

<400> 2851
000


<210> 2852

<400> 2852
000


<210> 2853

<400> 2853
000


<210> 2854

<400> 2854
000


<210> 2855

<400> 2855
000


<210> 2856

<400> 2856
000


<210> 2857

<400> 2857
000

<210> 2858

<400> 2858
000

<210> 2859

<400> 2859
000

<210> 2860

<400> 2860
000

<210> 2861

<400> 2861
000

<210> 2862

<400> 2862
000

<210> 2863

<400> 2863
000

<210> 2864

<400> 2864
000

<210> 2865

<400> 2865
000

<210> 2866

<400> 2866
000

<210> 2867

<400> 2867
000

<210> 2868

<400> 2868
000

<210> 2869

<400> 2869
000

<210> 2870

<400> 2870
000

<210> 2871

<400> 2871
000

<210> 2872

<400> 2872
000

<210> 2873

<400> 2873
000

<210> 2874

<400> 2874
000

<210> 2875

<400> 2875

000

<210> 2876

<400> 2876
000

<210> 2877

<400> 2877
000

<210> 2878

<400> 2878
000

<210> 2879

<400> 2879
000

<210> 2880

<400> 2880
000

<210> 2881

<400> 2881
000

<210> 2882

<400> 2882
000

<210> 2883

<400> 2883
000

<210> 2884

<400> 2884
000

<210> 2885

<400> 2885
000

<210> 2886

<400> 2886
000

<210> 2887

<400> 2887
000

<210> 2888

<400> 2888
000

<210> 2889

<400> 2889
000

<210> 2890

<400> 2890
000

<210> 2891

<400> 2891
000

<210> 2892

<400> 2892
000

<210> 2893

<400> 2893
000

<210> 2894

<400> 2894
000

<210> 2895

<400> 2895
000

<210> 2896

<400> 2896
000

<210> 2897

<400> 2897
000

<210> 2898

<400> 2898
000

<210> 2899

<400> 2899
000

<210> 2900

<400> 2900
000

<210> 2901

<400> 2901
000

<210> 2902

<400> 2902
000


<210> 2903

<400> 2903
000


<210> 2904

<400> 2904
000


<210> 2905

<400> 2905
000


<210> 2906

<400> 2906
000


<210> 2907

<400> 2907
000


<210> 2908

<400> 2908
000


<210> 2909

<400> 2909
000


<210> 2910

<400> 2910
000

<210> 2911

<400> 2911
000


<210> 2912

<400> 2912
000


<210> 2913

<400> 2913
000


<210> 2914

<400> 2914
000


<210> 2915

<400> 2915
000


<210> 2916

<400> 2916
000


<210> 2917

<400> 2917
000


<210> 2918

<400> 2918
000


<210> 2919

<400> 2919
000

<210> 2920

<400> 2920
000


<210> 2921

<400> 2921
000


<210> 2922

<400> 2922
000


<210> 2923

<400> 2923
000


<210> 2924

<400> 2924
000


<210> 2925

<400> 2925
000


<210> 2926

<400> 2926
000


<210> 2927

<400> 2927
000


<210> 2928

<400> 2928

000

<210> 2929

<400> 2929
000

<210> 2930

<400> 2930
000

<210> 2931

<400> 2931
000

<210> 2932

<400> 2932
000

<210> 2933

<400> 2933
000

<210> 2934

<400> 2934
000

<210> 2935

<400> 2935
000

<210> 2936

<400> 2936
000

<210> 2937

<400> 2937
000

<210> 2938

<400> 2938
000

<210> 2939

<400> 2939
000

<210> 2940

<400> 2940
000

<210> 2941

<400> 2941
000

<210> 2942

<400> 2942
000

<210> 2943

<400> 2943
000

<210> 2944

<400> 2944
000

<210> 2945

<400> 2945
000

<210> 2946

<400> 2946
000

<210> 2947

<400> 2947
000

<210> 2948

<400> 2948
000

<210> 2949

<400> 2949
000

<210> 2950

<400> 2950
000

<210> 2951

<400> 2951
000

<210> 2952

<400> 2952
000

<210> 2953

<400> 2953
000

<210> 2954

<400> 2954
000

<210> 2955

<400> 2955
000


<210> 2956

<400> 2956
000


<210> 2957

<400> 2957
000


<210> 2958

<400> 2958
000


<210> 2959

<400> 2959
000


<210> 2960

<400> 2960
000


<210> 2961

<400> 2961
000


<210> 2962

<400> 2962
000


<210> 2963

<400> 2963
000

<210> 2964

<400> 2964
000


<210> 2965

<400> 2965
000


<210> 2966

<400> 2966
000


<210> 2967

<400> 2967
000


<210> 2968

<400> 2968
000


<210> 2969

<400> 2969
000


<210> 2970

<400> 2970
000


<210> 2971

<400> 2971
000


<210> 2972

<400> 2972
000

<210> 2973

<400> 2973
000

<210> 2974

<400> 2974
000

<210> 2975

<400> 2975
000

<210> 2976

<400> 2976
000

<210> 2977

<400> 2977
000

<210> 2978

<400> 2978
000

<210> 2979

<400> 2979
000

<210> 2980

<400> 2980
000

<210> 2981

<400> 2981

000

<210> 2982

<400> 2982
000

<210> 2983

<400> 2983
000

<210> 2984

<400> 2984
000

<210> 2985

<400> 2985
000

<210> 2986

<400> 2986
000

<210> 2987

<400> 2987
000

<210> 2988

<400> 2988
000

<210> 2989

<400> 2989
000

<210> 2990

<400> 2990
000

<210> 2991

<400> 2991
000

<210> 2992

<400> 2992
000

<210> 2993

<400> 2993
000

<210> 2994

<400> 2994
000

<210> 2995

<400> 2995
000

<210> 2996

<400> 2996
000

<210> 2997

<400> 2997
000

<210> 2998

<400> 2998
000

<210> 2999

<400> 2999
000

<210> 3000

<400> 3000
000

<210> 3001

<400> 3001
000

<210> 3002

<400> 3002
000

<210> 3003

<400> 3003
000

<210> 3004

<400> 3004
000

<210> 3005

<400> 3005
000

<210> 3006

<400> 3006
000

<210> 3007

<400> 3007
000

<210> 3008

<400> 3008
000


<210> 3009

<400> 3009
000


<210> 3010

<400> 3010
000


<210> 3011

<400> 3011
000


<210> 3012

<400> 3012
000


<210> 3013

<400> 3013
000


<210> 3014

<400> 3014
000


<210> 3015

<400> 3015
000


<210> 3016

<400> 3016
000

<210> 3017

<400> 3017
000

<210> 3018

<400> 3018
000

<210> 3019

<400> 3019
000

<210> 3020

<400> 3020
000

<210> 3021

<400> 3021
000

<210> 3022

<400> 3022
000

<210> 3023

<400> 3023
000

<210> 3024

<400> 3024
000

<210> 3025

<400> 3025
000

<210> 3026

<400> 3026
000


<210> 3027

<400> 3027
000


<210> 3028

<400> 3028
000


<210> 3029

<400> 3029
000


<210> 3030

<400> 3030
000


<210> 3031

<400> 3031
000


<210> 3032

<400> 3032
000


<210> 3033

<400> 3033
000


<210> 3034

<400> 3034

000

<210> 3035

<400> 3035
000

<210> 3036

<400> 3036
000

<210> 3037

<400> 3037
000

<210> 3038

<400> 3038
000

<210> 3039

<400> 3039
000

<210> 3040

<400> 3040
000

<210> 3041

<400> 3041
000

<210> 3042

<400> 3042
000

<210> 3043

<400> 3043
000

<210> 3044

<400> 3044
000

<210> 3045

<400> 3045
000

<210> 3046

<400> 3046
000

<210> 3047

<400> 3047
000

<210> 3048

<400> 3048
000

<210> 3049

<400> 3049
000

<210> 3050

<400> 3050
000

<210> 3051

<400> 3051
000

<210> 3052

<400> 3052
000

<210> 3053

<400> 3053
000

<210> 3054

<400> 3054
000

<210> 3055

<400> 3055
000

<210> 3056

<400> 3056
000

<210> 3057

<400> 3057
000

<210> 3058

<400> 3058
000

<210> 3059

<400> 3059
000

<210> 3060

<400> 3060
000

<210> 3061

<400> 3061
000


<210> 3062

<400> 3062
000


<210> 3063

<400> 3063
000


<210> 3064

<400> 3064
000


<210> 3065

<400> 3065
000


<210> 3066

<400> 3066
000


<210> 3067

<400> 3067
000


<210> 3068

<400> 3068
000


<210> 3069

<400> 3069
000

<210> 3070

<400> 3070
000


<210> 3071

<400> 3071
000


<210> 3072

<400> 3072
000


<210> 3073

<400> 3073
000


<210> 3074

<400> 3074
000


<210> 3075

<400> 3075
000


<210> 3076

<400> 3076
000


<210> 3077

<400> 3077
000


<210> 3078

<400> 3078
000

<210> 3079

<400> 3079
000

<210> 3080

<400> 3080
000

<210> 3081

<400> 3081
000

<210> 3082

<400> 3082
000

<210> 3083

<400> 3083
000

<210> 3084

<400> 3084
000

<210> 3085

<400> 3085
000

<210> 3086

<400> 3086
000

<210> 3087

<400> 3087

000

<210> 3088

<400> 3088
000

<210> 3089

<400> 3089
000

<210> 3090

<400> 3090
000

<210> 3091

<400> 3091
000

<210> 3092

<400> 3092
000

<210> 3093

<400> 3093
000

<210> 3094

<400> 3094
000

<210> 3095

<400> 3095
000

<210> 3096

<400> 3096
000

<210> 3097

<400> 3097
000

<210> 3098

<400> 3098
000

<210> 3099

<400> 3099
000

<210> 3100

<400> 3100
000

<210> 3101

<400> 3101
000

<210> 3102

<400> 3102
000

<210> 3103

<400> 3103
000

<210> 3104

<400> 3104
000

<210> 3105

<400> 3105
000

<210> 3106

<400> 3106
000

<210> 3107

<400> 3107
000

<210> 3108

<400> 3108
000

<210> 3109

<400> 3109
000

<210> 3110

<400> 3110
000

<210> 3111

<400> 3111
000

<210> 3112

<400> 3112
000

<210> 3113

<400> 3113
000

<210> 3114

<400> 3114
000


<210> 3115

<400> 3115
000


<210> 3116

<400> 3116
000


<210> 3117

<400> 3117
000


<210> 3118

<400> 3118
000


<210> 3119

<400> 3119
000


<210> 3120

<400> 3120
000


<210> 3121

<400> 3121
000


<210> 3122

<400> 3122
000

<210> 3123

<400> 3123
000


<210> 3124

<400> 3124
000


<210> 3125

<400> 3125
000


<210> 3126

<400> 3126
000


<210> 3127

<400> 3127
000


<210> 3128

<400> 3128
000


<210> 3129

<400> 3129
000


<210> 3130

<400> 3130
000


<210> 3131

<400> 3131
000

<210> 3132

<400> 3132
000


<210> 3133

<400> 3133
000


<210> 3134

<400> 3134
000


<210> 3135

<400> 3135
000


<210> 3136

<400> 3136
000


<210> 3137

<400> 3137
000


<210> 3138

<400> 3138
000


<210> 3139

<400> 3139
000


<210> 3140

<400> 3140

000

<210> 3141

<400> 3141
000

<210> 3142

<400> 3142
000

<210> 3143

<400> 3143
000

<210> 3144

<400> 3144
000

<210> 3145

<400> 3145
000

<210> 3146

<400> 3146
000

<210> 3147

<400> 3147
000

<210> 3148

<400> 3148
000

<210> 3149

<400> 3149
000

<210> 3150

<400> 3150
000

<210> 3151

<400> 3151
000

<210> 3152

<400> 3152
000

<210> 3153

<400> 3153
000

<210> 3154

<400> 3154
000

<210> 3155

<400> 3155
000

<210> 3156

<400> 3156
000

<210> 3157

<400> 3157
000

<210> 3158

<400> 3158
000

<210> 3159

<400> 3159
000

<210> 3160

<400> 3160
000

<210> 3161

<400> 3161
000

<210> 3162

<400> 3162
000

<210> 3163

<400> 3163
000

<210> 3164

<400> 3164
000

<210> 3165

<400> 3165
000

<210> 3166

<400> 3166
000

<210> 3167

<400> 3167
000


<210> 3168

<400> 3168
000


<210> 3169

<400> 3169
000


<210> 3170

<400> 3170
000


<210> 3171

<400> 3171
000


<210> 3172

<400> 3172
000


<210> 3173

<400> 3173
000


<210> 3174

<400> 3174
000


<210> 3175

<400> 3175
000

<210> 3176

<400> 3176
000


<210> 3177

<400> 3177
000


<210> 3178

<400> 3178
000


<210> 3179

<400> 3179
000


<210> 3180

<400> 3180
000


<210> 3181

<400> 3181
000


<210> 3182

<400> 3182
000


<210> 3183

<400> 3183
000


<210> 3184

<400> 3184
000

<210> 3185

<400> 3185
000

<210> 3186

<400> 3186
000

<210> 3187

<400> 3187
000

<210> 3188

<400> 3188
000

<210> 3189

<400> 3189
000

<210> 3190

<400> 3190
000

<210> 3191

<400> 3191
000

<210> 3192

<400> 3192
000

<210> 3193

<400> 3193

000

<210> 3194

<400> 3194
000

<210> 3195

<400> 3195
000

<210> 3196

<400> 3196
000

<210> 3197

<400> 3197
000

<210> 3198

<400> 3198
000

<210> 3199

<400> 3199
000

<210> 3200

<400> 3200
000

<210> 3201

<400> 3201
000

<210> 3202

<400> 3202
000

<210> 3203

<400> 3203
000

<210> 3204

<400> 3204
000

<210> 3205

<400> 3205
000

<210> 3206

<400> 3206
000

<210> 3207

<400> 3207
000

<210> 3208

<400> 3208
000

<210> 3209

<400> 3209
000

<210> 3210

<400> 3210
000

<210> 3211

<400> 3211
000

<210> 3212

<400> 3212
000

<210> 3213

<400> 3213
000

<210> 3214

<400> 3214
000

<210> 3215

<400> 3215
000

<210> 3216

<400> 3216
000

<210> 3217

<400> 3217
000

<210> 3218

<400> 3218
000

<210> 3219

<400> 3219
000

<210> 3220

<400> 3220
000


<210> 3221

<400> 3221
000


<210> 3222

<400> 3222
000


<210> 3223

<400> 3223
000


<210> 3224

<400> 3224
000


<210> 3225

<400> 3225
000


<210> 3226

<400> 3226
000


<210> 3227

<400> 3227
000


<210> 3228

<400> 3228
000

<210> 3229

<400> 3229
000


<210> 3230

<400> 3230
000


<210> 3231

<400> 3231
000


<210> 3232

<400> 3232
000


<210> 3233

<400> 3233
000


<210> 3234

<400> 3234
000


<210> 3235

<400> 3235
000


<210> 3236

<400> 3236
000


<210> 3237

<400> 3237
000

<210> 3238

<400> 3238
000


<210> 3239

<400> 3239
000


<210> 3240

<400> 3240
000


<210> 3241

<400> 3241
000


<210> 3242

<400> 3242
000


<210> 3243

<400> 3243
000


<210> 3244

<400> 3244
000


<210> 3245

<400> 3245
000


<210> 3246

<400> 3246

000

<210> 3247

<400> 3247
000

<210> 3248

<400> 3248
000

<210> 3249

<400> 3249
000

<210> 3250

<400> 3250
000

<210> 3251

<400> 3251
000

<210> 3252

<400> 3252
000

<210> 3253

<400> 3253
000

<210> 3254

<400> 3254
000

<210> 3255

<400> 3255
000

<210> 3256

<400> 3256
000

<210> 3257

<400> 3257
000

<210> 3258

<400> 3258
000

<210> 3259

<400> 3259
000

<210> 3260

<400> 3260
000

<210> 3261

<400> 3261
000

<210> 3262

<400> 3262
000

<210> 3263

<400> 3263
000

<210> 3264

<400> 3264
000

<210> 3265

<400> 3265
000

<210> 3266

<400> 3266
000

<210> 3267

<400> 3267
000

<210> 3268

<400> 3268
000

<210> 3269

<400> 3269
000

<210> 3270

<400> 3270
000

<210> 3271

<400> 3271
000

<210> 3272

<400> 3272
000

<210> 3273

<400> 3273
000

<210> 3274

<400> 3274
000

<210> 3275

<400> 3275
000

<210> 3276

<400> 3276
000

<210> 3277

<400> 3277
000

<210> 3278

<400> 3278
000

<210> 3279

<400> 3279
000

<210> 3280

<400> 3280
000

<210> 3281

<400> 3281
000

<210> 3282

<400> 3282
000

<210> 3283

<400> 3283
000

<210> 3284

<400> 3284
000

<210> 3285

<400> 3285
000

<210> 3286

<400> 3286
000

<210> 3287

<400> 3287
000

<210> 3288

<400> 3288
000

<210> 3289

<400> 3289
000

<210> 3290

<400> 3290
000

<210> 3291

<400> 3291
000


<210> 3292

<400> 3292
000


<210> 3293

<400> 3293
000


<210> 3294

<400> 3294
000


<210> 3295

<400> 3295
000


<210> 3296

<400> 3296
000


<210> 3297

<400> 3297
000


<210> 3298

<400> 3298
000


<210> 3299

<400> 3299

000

<210> 3300

<400> 3300
000

<210> 3301

<400> 3301
000

<210> 3302

<400> 3302
000

<210> 3303

<400> 3303
000

<210> 3304

<400> 3304
000

<210> 3305

<400> 3305
000

<210> 3306

<400> 3306
000

<210> 3307

<400> 3307
000

<210> 3308

<400> 3308
000

<210> 3309

<400> 3309
000

<210> 3310

<400> 3310
000

<210> 3311

<400> 3311
000

<210> 3312

<400> 3312
000

<210> 3313

<400> 3313
000

<210> 3314

<400> 3314
000

<210> 3315

<400> 3315
000

<210> 3316

<400> 3316
000

<210> 3317

<400> 3317
000

<210> 3318

<400> 3318
000

<210> 3319

<400> 3319
000

<210> 3320

<400> 3320
000

<210> 3321

<400> 3321
000

<210> 3322

<400> 3322
000

<210> 3323

<400> 3323
000

<210> 3324

<400> 3324
000

<210> 3325

<400> 3325
000

<210> 3326

<400> 3326
000


<210> 3327

<400> 3327
000


<210> 3328

<400> 3328
000


<210> 3329

<400> 3329
000


<210> 3330

<400> 3330
000


<210> 3331

<400> 3331
000


<210> 3332

<400> 3332
000


<210> 3333

<400> 3333
000


<210> 3334

<400> 3334
000

<210> 3335

<400> 3335
000

<210> 3336

<400> 3336
000

<210> 3337

<400> 3337
000

<210> 3338

<400> 3338
000

<210> 3339

<400> 3339
000

<210> 3340

<400> 3340
000

<210> 3341

<400> 3341
000

<210> 3342

<400> 3342
000

<210> 3343

<400> 3343
000

<210> 3344

<400> 3344
000


<210> 3345

<400> 3345
000


<210> 3346

<400> 3346
000


<210> 3347

<400> 3347
000


<210> 3348

<400> 3348
000


<210> 3349

<400> 3349
000


<210> 3350

<400> 3350
000


<210> 3351

<400> 3351
000


<210> 3352

<400> 3352

000

<210> 3353

<400> 3353
000

<210> 3354

<400> 3354
000

<210> 3355

<400> 3355
000

<210> 3356

<400> 3356
000

<210> 3357

<400> 3357
000

<210> 3358

<400> 3358
000

<210> 3359

<400> 3359
000

<210> 3360

<400> 3360
000

<210> 3361

<400> 3361
000

<210> 3362

<400> 3362
000

<210> 3363

<400> 3363
000

<210> 3364

<400> 3364
000

<210> 3365

<400> 3365
000

<210> 3366

<400> 3366
000

<210> 3367

<400> 3367
000

<210> 3368

<400> 3368
000

<210> 3369

<400> 3369
000

<210> 3370

<400> 3370
000

<210> 3371

<400> 3371
000

<210> 3372

<400> 3372
000

<210> 3373

<400> 3373
000

<210> 3374

<400> 3374
000

<210> 3375

<400> 3375
000

<210> 3376

<400> 3376
000

<210> 3377

<400> 3377
000

<210> 3378

<400> 3378
000

<210> 3379

<400> 3379
000


<210> 3380

<400> 3380
000


<210> 3381

<400> 3381
000


<210> 3382

<400> 3382
000


<210> 3383

<400> 3383
000


<210> 3384

<400> 3384
000


<210> 3385

<400> 3385
000


<210> 3386

<400> 3386
000


<210> 3387

<400> 3387
000

<210> 3388

<400> 3388
000


<210> 3389

<400> 3389
000


<210> 3390

<400> 3390
000


<210> 3391

<400> 3391
000


<210> 3392

<400> 3392
000


<210> 3393

<400> 3393
000


<210> 3394

<400> 3394
000


<210> 3395

<400> 3395
000


<210> 3396

<400> 3396
000

<210> 3397

<400> 3397
000

<210> 3398

<400> 3398
000

<210> 3399

<400> 3399
000

<210> 3400

<400> 3400
000

<210> 3401

<400> 3401
000

<210> 3402

<400> 3402
000

<210> 3403

<400> 3403
000

<210> 3404

<400> 3404
000

<210> 3405

<400> 3405

000

<210> 3406

<400> 3406
000

<210> 3407

<400> 3407
000

<210> 3408

<400> 3408
000

<210> 3409

<400> 3409
000

<210> 3410

<400> 3410
000

<210> 3411

<400> 3411
000

<210> 3412

<400> 3412
000

<210> 3413

<400> 3413
000

<210> 3414

<400> 3414
000

<210> 3415

<400> 3415
000

<210> 3416

<400> 3416
000

<210> 3417

<400> 3417
000

<210> 3418

<400> 3418
000

<210> 3419

<400> 3419
000

<210> 3420

<400> 3420
000

<210> 3421

<400> 3421
000

<210> 3422

<400> 3422
000

<210> 3423

<400> 3423
000

<210> 3424

<400> 3424
000

<210> 3425

<400> 3425
000

<210> 3426

<400> 3426
000

<210> 3427

<400> 3427
000

<210> 3428

<400> 3428
000

<210> 3429

<400> 3429
000

<210> 3430

<400> 3430
000

<210> 3431

<400> 3431
000

<210> 3432

<400> 3432
000


<210> 3433

<400> 3433
000


<210> 3434

<400> 3434
000


<210> 3435

<400> 3435
000


<210> 3436

<400> 3436
000


<210> 3437

<400> 3437
000


<210> 3438

<400> 3438
000


<210> 3439

<400> 3439
000


<210> 3440

<400> 3440
000

<210> 3441

<400> 3441
000

<210> 3442

<400> 3442
000

<210> 3443

<400> 3443
000

<210> 3444

<400> 3444
000

<210> 3445

<400> 3445
000

<210> 3446

<400> 3446
000

<210> 3447

<400> 3447
000

<210> 3448

<400> 3448
000

<210> 3449

<400> 3449
000

<210> 3450

<400> 3450
000


<210> 3451

<400> 3451
000


<210> 3452

<400> 3452
000


<210> 3453

<400> 3453
000


<210> 3454

<400> 3454
000


<210> 3455

<400> 3455
000


<210> 3456

<400> 3456
000


<210> 3457

<400> 3457
000


<210> 3458

<400> 3458

000

<210> 3459

<400> 3459
000

<210> 3460

<400> 3460
000

<210> 3461

<400> 3461
000

<210> 3462

<400> 3462
000

<210> 3463

<400> 3463
000

<210> 3464

<400> 3464
000

<210> 3465

<400> 3465
000

<210> 3466

<400> 3466
000

<210> 3467

<400> 3467
000

<210> 3468

<400> 3468
000

<210> 3469

<400> 3469
000

<210> 3470

<400> 3470
000

<210> 3471

<400> 3471
000

<210> 3472

<400> 3472
000

<210> 3473

<400> 3473
000

<210> 3474

<400> 3474
000

<210> 3475

<400> 3475
000

<210> 3476

<400> 3476
000

<210> 3477

<400> 3477
000

<210> 3478

<400> 3478
000

<210> 3479

<400> 3479
000

<210> 3480

<400> 3480
000

<210> 3481

<400> 3481
000

<210> 3482

<400> 3482
000

<210> 3483

<400> 3483
000

<210> 3484

<400> 3484
000

<210> 3485

<400> 3485
000

<210> 3486

<400> 3486
000

<210> 3487

<400> 3487
000

<210> 3488

<400> 3488
000

<210> 3489

<400> 3489
000

<210> 3490

<400> 3490
000

<210> 3491

<400> 3491
000

<210> 3492

<400> 3492
000

<210> 3493

<400> 3493
000

<210> 3494

<400> 3494
000


<210> 3495

<400> 3495
000


<210> 3496

<400> 3496
000


<210> 3497

<400> 3497
000


<210> 3498

<400> 3498
000


<210> 3499

<400> 3499
000


<210> 3500

<400> 3500
000


<210> 3501

<400> 3501
000


<210> 3502

<400> 3502
000

<210> 3503

<400> 3503
000

<210> 3504

<400> 3504
000

<210> 3505

<400> 3505
000

<210> 3506

<400> 3506
000

<210> 3507

<400> 3507
000

<210> 3508

<400> 3508
000

<210> 3509

<400> 3509
000

<210> 3510

<400> 3510
000

<210> 3511

<400> 3511

000

<210> 3512

<400> 3512
000

<210> 3513

<400> 3513
000

<210> 3514

<400> 3514
000

<210> 3515

<400> 3515
000

<210> 3516

<400> 3516
000

<210> 3517

<400> 3517
000

<210> 3518

<400> 3518
000

<210> 3519

<400> 3519
000

<210> 3520

<400> 3520
000

<210> 3521

<400> 3521
000

<210> 3522

<400> 3522
000

<210> 3523

<400> 3523
000

<210> 3524

<400> 3524
000

<210> 3525

<400> 3525
000

<210> 3526

<400> 3526
000

<210> 3527

<400> 3527
000

<210> 3528

<400> 3528
000

<210> 3529

<400> 3529
000

<210> 3530

<400> 3530
000

<210> 3531

<400> 3531
000

<210> 3532

<400> 3532
000

<210> 3533

<400> 3533
000

<210> 3534

<400> 3534
000

<210> 3535

<400> 3535
000

<210> 3536

<400> 3536
000

<210> 3537

<400> 3537
000

<210> 3538

<400> 3538
000


<210> 3539

<400> 3539
000


<210> 3540

<400> 3540
000


<210> 3541

<400> 3541
000


<210> 3542

<400> 3542
000


<210> 3543

<400> 3543
000


<210> 3544

<400> 3544
000


<210> 3545

<400> 3545
000


<210> 3546

<400> 3546
000

<210> 3547

<400> 3547
000


<210> 3548

<400> 3548
000


<210> 3549

<400> 3549
000


<210> 3550

<400> 3550
000


<210> 3551

<400> 3551
000


<210> 3552

<400> 3552
000


<210> 3553

<400> 3553
000


<210> 3554

<400> 3554
000


<210> 3555

<400> 3555
000

<210> 3556

<400> 3556
000


<210> 3557

<400> 3557
000


<210> 3558

<400> 3558
000


<210> 3559

<400> 3559
000


<210> 3560

<400> 3560
000


<210> 3561

<400> 3561
000


<210> 3562

<400> 3562
000


<210> 3563

<400> 3563
000


<210> 3564

<400> 3564

000

<210> 3565

<400> 3565
000

<210> 3566

<400> 3566
000

<210> 3567

<400> 3567
000

<210> 3568

<400> 3568
000

<210> 3569

<400> 3569
000

<210> 3570

<400> 3570
000

<210> 3571

<400> 3571
000

<210> 3572

<400> 3572
000

<210> 3573

<400> 3573
000

<210> 3574

<400> 3574
000

<210> 3575

<400> 3575
000

<210> 3576

<400> 3576
000

<210> 3577

<400> 3577
000

<210> 3578

<400> 3578
000

<210> 3579

<400> 3579
000

<210> 3580

<400> 3580
000

<210> 3581

<400> 3581
000

<210> 3582

<400> 3582
000

<210> 3583

<400> 3583
000

<210> 3584

<400> 3584
000

<210> 3585

<400> 3585
000

<210> 3586

<400> 3586
000

<210> 3587

<400> 3587
000

<210> 3588

<400> 3588
000

<210> 3589

<400> 3589
000

<210> 3590

<400> 3590
000

<210> 3591

<400> 3591
000

<210> 3592

<400> 3592
000

<210> 3593

<400> 3593
000

<210> 3594

<400> 3594
000

<210> 3595

<400> 3595
000

<210> 3596

<400> 3596
000

<210> 3597

<400> 3597
000

<210> 3598

<400> 3598
000

<210> 3599

<400> 3599
000

<210> 3600

<400> 3600
000


<210> 3601

<400> 3601
000


<210> 3602

<400> 3602
000


<210> 3603

<400> 3603
000


<210> 3604

<400> 3604
000


<210> 3605

<400> 3605
000


<210> 3606

<400> 3606
000


<210> 3607

<400> 3607
000


<210> 3608

<400> 3608
000

<210> 3609

<400> 3609
000


<210> 3610

<400> 3610
000


<210> 3611

<400> 3611
000


<210> 3612

<400> 3612
000


<210> 3613

<400> 3613
000


<210> 3614

<400> 3614
000


<210> 3615

<400> 3615
000


<210> 3616

<400> 3616
000


<210> 3617

<400> 3617

000

<210> 3618

<400> 3618
000

<210> 3619

<400> 3619
000

<210> 3620

<400> 3620
000

<210> 3621

<400> 3621
000

<210> 3622

<400> 3622
000

<210> 3623

<400> 3623
000

<210> 3624

<400> 3624
000

<210> 3625

<400> 3625
000

<210> 3626

<400> 3626
000

<210> 3627

<400> 3627
000

<210> 3628

<400> 3628
000

<210> 3629

<400> 3629
000

<210> 3630

<400> 3630
000

<210> 3631

<400> 3631
000

<210> 3632

<400> 3632
000

<210> 3633

<400> 3633
000

<210> 3634

<400> 3634
000

<210> 3635

<400> 3635
000

<210> 3636

<400> 3636
000

<210> 3637

<400> 3637
000

<210> 3638

<400> 3638
000

<210> 3639

<400> 3639
000

<210> 3640

<400> 3640
000

<210> 3641

<400> 3641
000

<210> 3642

<400> 3642
000

<210> 3643

<400> 3643
000

<210> 3644

<400> 3644
000


<210> 3645

<400> 3645
000


<210> 3646

<400> 3646
000


<210> 3647

<400> 3647
000


<210> 3648

<400> 3648
000


<210> 3649

<400> 3649
000


<210> 3650

<400> 3650
000


<210> 3651

<400> 3651
000


<210> 3652

<400> 3652
000

<210> 3653

<400> 3653
000


<210> 3654

<400> 3654
000


<210> 3655

<400> 3655
000


<210> 3656

<400> 3656
000


<210> 3657

<400> 3657
000


<210> 3658

<400> 3658
000


<210> 3659

<400> 3659
000


<210> 3660

<400> 3660
000


<210> 3661

<400> 3661
000

<210> 3662

<400> 3662
000


<210> 3663

<400> 3663
000


<210> 3664

<400> 3664
000


<210> 3665

<400> 3665
000


<210> 3666

<400> 3666
000


<210> 3667

<400> 3667
000


<210> 3668

<400> 3668
000


<210> 3669

<400> 3669
000


<210> 3670

<400> 3670

000

<210> 3671

<400> 3671
000

<210> 3672

<400> 3672
000

<210> 3673

<400> 3673
000

<210> 3674

<400> 3674
000

<210> 3675

<400> 3675
000

<210> 3676

<400> 3676
000

<210> 3677

<400> 3677
000

<210> 3678

<400> 3678
000

<210> 3679

<400> 3679
000

<210> 3680

<400> 3680
000

<210> 3681

<400> 3681
000

<210> 3682

<400> 3682
000

<210> 3683

<400> 3683
000

<210> 3684

<400> 3684
000

<210> 3685

<400> 3685
000

<210> 3686

<400> 3686
000

<210> 3687

<400> 3687
000

<210> 3688

<400> 3688
000

<210> 3689

<400> 3689
000

<210> 3690

<400> 3690
000

<210> 3691

<400> 3691
000

<210> 3692

<400> 3692
000

<210> 3693

<400> 3693
000

<210> 3694

<400> 3694
000

<210> 3695

<400> 3695
000

<210> 3696

<400> 3696
000

<210> 3697

<400> 3697
000


<210> 3698

<400> 3698
000


<210> 3699

<400> 3699
000


<210> 3700

<400> 3700
000


<210> 3701

<400> 3701
000


<210> 3702

<400> 3702
000


<210> 3703

<400> 3703
000


<210> 3704

<400> 3704
000


<210> 3705

<400> 3705
000

<210> 3706

<400> 3706
000

<210> 3707

<400> 3707
000

<210> 3708

<400> 3708
000

<210> 3709

<400> 3709
000

<210> 3710

<400> 3710
000

<210> 3711

<400> 3711
000

<210> 3712

<400> 3712
000

<210> 3713

<400> 3713
000

<210> 3714

<400> 3714
000

<210> 3715

<400> 3715
000


<210> 3716

<400> 3716
000


<210> 3717

<400> 3717
000


<210> 3718

<400> 3718
000


<210> 3719

<400> 3719
000


<210> 3720

<400> 3720
000


<210> 3721

<400> 3721
000


<210> 3722

<400> 3722
000


<210> 3723

<400> 3723

000

<210> 3724

<400> 3724
000

<210> 3725

<400> 3725
000

<210> 3726

<400> 3726
000

<210> 3727

<400> 3727
000

<210> 3728

<400> 3728
000

<210> 3729

<400> 3729
000

<210> 3730

<400> 3730
000

<210> 3731

<400> 3731
000

<210> 3732

<400> 3732
000

<210> 3733

<400> 3733
000

<210> 3734

<400> 3734
000

<210> 3735

<400> 3735
000

<210> 3736

<400> 3736
000

<210> 3737

<400> 3737
000

<210> 3738

<400> 3738
000

<210> 3739

<400> 3739
000

<210> 3740

<400> 3740
000

<210> 3741

<400> 3741
000

<210> 3742

<400> 3742
000

<210> 3743

<400> 3743
000

<210> 3744

<400> 3744
000

<210> 3745

<400> 3745
000

<210> 3746

<400> 3746
000

<210> 3747

<400> 3747
000

<210> 3748

<400> 3748
000

<210> 3749

<400> 3749
000

<210> 3750

<400> 3750
000


<210> 3751

<400> 3751
000


<210> 3752

<400> 3752
000


<210> 3753

<400> 3753
000


<210> 3754

<400> 3754
000


<210> 3755

<400> 3755
000


<210> 3756

<400> 3756
000


<210> 3757

<400> 3757
000


<210> 3758

<400> 3758
000

<210> 3759

<400> 3759
000


<210> 3760

<400> 3760
000


<210> 3761

<400> 3761
000


<210> 3762

<400> 3762
000


<210> 3763

<400> 3763
000


<210> 3764

<400> 3764
000


<210> 3765

<400> 3765
000


<210> 3766

<400> 3766
000


<210> 3767

<400> 3767
000

<210> 3768

<400> 3768
000

<210> 3769

<400> 3769
000

<210> 3770

<400> 3770
000

<210> 3771

<400> 3771
000

<210> 3772

<400> 3772
000

<210> 3773

<400> 3773
000

<210> 3774

<400> 3774
000

<210> 3775

<400> 3775
000

<210> 3776

<400> 3776

000

<210> 3777

<400> 3777
000

<210> 3778

<400> 3778
000

<210> 3779

<400> 3779
000

<210> 3780

<400> 3780
000

<210> 3781

<400> 3781
000

<210> 3782

<400> 3782
000

<210> 3783

<400> 3783
000

<210> 3784

<400> 3784
000

<210> 3785

<400> 3785
000

<210> 3786

<400> 3786
000

<210> 3787

<400> 3787
000

<210> 3788

<400> 3788
000

<210> 3789

<400> 3789
000

<210> 3790

<400> 3790
000

<210> 3791

<400> 3791
000

<210> 3792

<400> 3792
000

<210> 3793

<400> 3793
000

<210> 3794

<400> 3794
000

<210> 3795

<400> 3795
000

<210> 3796

<400> 3796
000

<210> 3797

<400> 3797
000

<210> 3798

<400> 3798
000

<210> 3799

<400> 3799
000

<210> 3800

<400> 3800
000

<210> 3801

<400> 3801
000

<210> 3802

<400> 3802
000

<210> 3803

<400> 3803
000


<210> 3804

<400> 3804
000


<210> 3805

<400> 3805
000


<210> 3806

<400> 3806
000


<210> 3807

<400> 3807
000


<210> 3808

<400> 3808
000


<210> 3809

<400> 3809
000


<210> 3810

<400> 3810
000


<210> 3811

<400> 3811
000

<210> 3812

<400> 3812
000

<210> 3813

<400> 3813
000

<210> 3814

<400> 3814
000

<210> 3815

<400> 3815
000

<210> 3816

<400> 3816
000

<210> 3817

<400> 3817
000

<210> 3818

<400> 3818
000

<210> 3819

<400> 3819
000

<210> 3820

<400> 3820
000

<210> 3821

<400> 3821
000


<210> 3822

<400> 3822
000


<210> 3823

<400> 3823
000


<210> 3824

<400> 3824
000


<210> 3825

<400> 3825
000


<210> 3826

<400> 3826
000


<210> 3827

<400> 3827
000


<210> 3828

<400> 3828
000


<210> 3829

<400> 3829

000

<210> 3830

<400> 3830
000

<210> 3831

<400> 3831
000

<210> 3832

<400> 3832
000

<210> 3833

<400> 3833
000

<210> 3834

<400> 3834
000

<210> 3835

<400> 3835
000

<210> 3836

<400> 3836
000

<210> 3837

<400> 3837
000

<210> 3838

<400> 3838
000

<210> 3839

<400> 3839
000

<210> 3840

<400> 3840
000

<210> 3841

<400> 3841
000

<210> 3842

<400> 3842
000

<210> 3843

<400> 3843
000

<210> 3844

<400> 3844
000

<210> 3845

<400> 3845
000

<210> 3846

<400> 3846
000

<210> 3847

<400> 3847
000

<210> 3848

<400> 3848
000

<210> 3849

<400> 3849
000

<210> 3850

<400> 3850
000

<210> 3851

<400> 3851
000

<210> 3852

<400> 3852
000

<210> 3853

<400> 3853
000

<210> 3854

<400> 3854
000

<210> 3855

<400> 3855
000

<210> 3856

<400> 3856
000


<210> 3857

<400> 3857
000


<210> 3858

<400> 3858
000


<210> 3859

<400> 3859
000


<210> 3860

<400> 3860
000


<210> 3861

<400> 3861
000


<210> 3862

<400> 3862
000


<210> 3863

<400> 3863
000


<210> 3864

<400> 3864
000

<210> 3865

<400> 3865
000

<210> 3866

<400> 3866
000

<210> 3867

<400> 3867
000

<210> 3868

<400> 3868
000

<210> 3869

<400> 3869
000

<210> 3870

<400> 3870
000

<210> 3871

<400> 3871
000

<210> 3872

<400> 3872
000

<210> 3873

<400> 3873
000

<210> 3874

<400> 3874
000


<210> 3875

<400> 3875
000


<210> 3876

<400> 3876
000


<210> 3877

<400> 3877
000


<210> 3878

<400> 3878
000


<210> 3879

<400> 3879
000


<210> 3880

<400> 3880
000


<210> 3881

<400> 3881
000


<210> 3882

<400> 3882

000

<210> 3883

<400> 3883
000

<210> 3884

<400> 3884
000

<210> 3885

<400> 3885
000

<210> 3886

<400> 3886
000

<210> 3887

<400> 3887
000

<210> 3888

<400> 3888
000

<210> 3889

<400> 3889
000

<210> 3890

<400> 3890
000

<210> 3891

<400> 3891
000

<210> 3892

<400> 3892
000

<210> 3893

<400> 3893
000

<210> 3894

<400> 3894
000

<210> 3895

<400> 3895
000

<210> 3896

<400> 3896
000

<210> 3897

<400> 3897
000

<210> 3898

<400> 3898
000

<210> 3899

<400> 3899
000

<210> 3900

<400> 3900
000

<210> 3901

<400> 3901
000

<210> 3902

<400> 3902
000

<210> 3903

<400> 3903
000

<210> 3904

<400> 3904
000

<210> 3905

<400> 3905
000

<210> 3906

<400> 3906
000

<210> 3907

<400> 3907
000

<210> 3908

<400> 3908
000

<210> 3909

<400> 3909
000

<210> 3910

<400> 3910
000

<210> 3911

<400> 3911
000

<210> 3912

<400> 3912
000

<210> 3913

<400> 3913
000

<210> 3914

<400> 3914
000

<210> 3915

<400> 3915
000

<210> 3916

<400> 3916
000

<210> 3917

<400> 3917
000

<210> 3918

<400> 3918
000


<210> 3919

<400> 3919
000


<210> 3920

<400> 3920
000


<210> 3921

<400> 3921
000


<210> 3922

<400> 3922
000


<210> 3923

<400> 3923
000


<210> 3924

<400> 3924
000


<210> 3925

<400> 3925
000


<210> 3926

<400> 3926
000

<210> 3927

<400> 3927
000

<210> 3928

<400> 3928
000

<210> 3929

<400> 3929
000

<210> 3930

<400> 3930
000

<210> 3931

<400> 3931
000

<210> 3932

<400> 3932
000

<210> 3933

<400> 3933
000

<210> 3934

<400> 3934
000

<210> 3935

<400> 3935

000

<210> 3936

<400> 3936
000

<210> 3937

<400> 3937
000

<210> 3938

<400> 3938
000

<210> 3939

<400> 3939
000

<210> 3940

<400> 3940
000

<210> 3941

<400> 3941
000

<210> 3942

<400> 3942
000

<210> 3943

<400> 3943
000

<210> 3944

<400> 3944
000

<210> 3945

<400> 3945
000

<210> 3946

<400> 3946
000

<210> 3947

<400> 3947
000

<210> 3948

<400> 3948
000

<210> 3949

<400> 3949
000

<210> 3950

<400> 3950
000

<210> 3951

<400> 3951
000

<210> 3952

<400> 3952
000

<210> 3953

<400> 3953
000

<210> 3954

<400> 3954
000

<210> 3955

<400> 3955
000

<210> 3956

<400> 3956
000

<210> 3957

<400> 3957
000

<210> 3958

<400> 3958
000

<210> 3959

<400> 3959
000

<210> 3960

<400> 3960
000

<210> 3961

<400> 3961
000

<210> 3962

<400> 3962
000


<210> 3963

<400> 3963
000


<210> 3964

<400> 3964
000


<210> 3965

<400> 3965
000


<210> 3966

<400> 3966
000


<210> 3967

<400> 3967
000


<210> 3968

<400> 3968
000


<210> 3969

<400> 3969
000


<210> 3970

<400> 3970
000

<210> 3971

<400> 3971
000

<210> 3972

<400> 3972
000

<210> 3973

<400> 3973
000

<210> 3974

<400> 3974
000

<210> 3975

<400> 3975
000

<210> 3976

<400> 3976
000

<210> 3977

<400> 3977
000

<210> 3978

<400> 3978
000

<210> 3979

<400> 3979
000

<210> 3980

<400> 3980
000


<210> 3981

<400> 3981
000


<210> 3982

<400> 3982
000


<210> 3983

<400> 3983
000


<210> 3984

<400> 3984
000


<210> 3985

<400> 3985
000


<210> 3986

<400> 3986
000


<210> 3987

<400> 3987
000


<210> 3988

<400> 3988

000

<210> 3989

<400> 3989
000

<210> 3990

<400> 3990
000

<210> 3991

<400> 3991
000

<210> 3992

<400> 3992
000

<210> 3993

<400> 3993
000

<210> 3994

<400> 3994
000

<210> 3995

<400> 3995
000

<210> 3996

<400> 3996
000

<210> 3997

<400> 3997
000

<210> 3998

<400> 3998
000

<210> 3999

<400> 3999
000

<210> 4000

<400> 4000
000

<210> 4001

<400> 4001
000

<210> 4002

<400> 4002
000

<210> 4003

<400> 4003
000

<210> 4004

<400> 4004
000

<210> 4005

<400> 4005
000

<210> 4006

<400> 4006
000

<210> 4007

<400> 4007
000

<210> 4008

<400> 4008
000

<210> 4009

<400> 4009
000

<210> 4010

<400> 4010
000

<210> 4011

<400> 4011
000

<210> 4012

<400> 4012
000

<210> 4013

<400> 4013
000

<210> 4014

<400> 4014
000

<210> 4015

<400> 4015
000


<210> 4016

<400> 4016
000


<210> 4017

<400> 4017
000


<210> 4018

<400> 4018
000


<210> 4019

<400> 4019
000


<210> 4020

<400> 4020
000


<210> 4021

<400> 4021
000


<210> 4022

<400> 4022
000


<210> 4023

<400> 4023
000

<210> 4024

<400> 4024
000


<210> 4025

<400> 4025
000


<210> 4026

<400> 4026
000


<210> 4027

<400> 4027
000


<210> 4028

<400> 4028
000


<210> 4029

<400> 4029
000


<210> 4030

<400> 4030
000


<210> 4031

<400> 4031
000


<210> 4032

<400> 4032
000

<210> 4033

<400> 4033
000

<210> 4034

<400> 4034
000

<210> 4035

<400> 4035
000

<210> 4036

<400> 4036
000

<210> 4037

<400> 4037
000

<210> 4038

<400> 4038
000

<210> 4039

<400> 4039
000

<210> 4040

<400> 4040
000

<210> 4041

<400> 4041

000

<210> 4042

<400> 4042
000

<210> 4043

<400> 4043
000

<210> 4044

<400> 4044
000

<210> 4045

<400> 4045
000

<210> 4046

<400> 4046
000

<210> 4047

<400> 4047
000

<210> 4048

<400> 4048
000

<210> 4049

<400> 4049
000

<210> 4050

<400> 4050
000

<210> 4051

<400> 4051
000

<210> 4052

<400> 4052
000

<210> 4053

<400> 4053
000

<210> 4054

<400> 4054
000

<210> 4055

<400> 4055
000

<210> 4056

<400> 4056
000

<210> 4057

<400> 4057
000

<210> 4058

<400> 4058
000

<210> 4059

<400> 4059
000

<210> 4060

<400> 4060
000

<210> 4061

<400> 4061
000

<210> 4062

<400> 4062
000

<210> 4063

<400> 4063
000

<210> 4064

<400> 4064
000

<210> 4065

<400> 4065
000

<210> 4066

<400> 4066
000

<210> 4067

<400> 4067
000

<210> 4068

<400> 4068
000


<210> 4069

<400> 4069
000


<210> 4070

<400> 4070
000


<210> 4071

<400> 4071
000


<210> 4072

<400> 4072
000


<210> 4073

<400> 4073
000


<210> 4074

<400> 4074
000


<210> 4075

<400> 4075
000


<210> 4076

<400> 4076
000

<210> 4077

<400> 4077
000

<210> 4078

<400> 4078
000

<210> 4079

<400> 4079
000

<210> 4080

<400> 4080
000

<210> 4081

<400> 4081
000

<210> 4082

<400> 4082
000

<210> 4083

<400> 4083
000

<210> 4084

<400> 4084
000

<210> 4085

<400> 4085
000

<210> 4086

<400> 4086
000


<210> 4087

<400> 4087
000


<210> 4088

<400> 4088
000


<210> 4089

<400> 4089
000


<210> 4090

<400> 4090
000


<210> 4091

<400> 4091
000


<210> 4092

<400> 4092
000


<210> 4093

<400> 4093
000


<210> 4094

<400> 4094

000

<210> 4095

<400> 4095
000

<210> 4096

<400> 4096
000

<210> 4097

<400> 4097
000

<210> 4098

<400> 4098
000

<210> 4099

<400> 4099
000

<210> 4100

<400> 4100
000

<210> 4101

<400> 4101
000

<210> 4102

<400> 4102
000

<210> 4103

<400> 4103
000

<210> 4104

<400> 4104
000

<210> 4105

<400> 4105
000

<210> 4106

<400> 4106
000

<210> 4107

<400> 4107
000

<210> 4108

<400> 4108
000

<210> 4109

<400> 4109
000

<210> 4110

<400> 4110
000

<210> 4111

<400> 4111
000

<210> 4112

<400> 4112
000

<210> 4113

<400> 4113
000

<210> 4114

<400> 4114
000

<210> 4115

<400> 4115
000

<210> 4116

<400> 4116
000

<210> 4117

<400> 4117
000

<210> 4118

<400> 4118
000

<210> 4119

<400> 4119
000

<210> 4120

<400> 4120
000

<210> 4121

<400> 4121
000


<210> 4122

<400> 4122
000


<210> 4123

<400> 4123
000


<210> 4124

<400> 4124
000


<210> 4125

<400> 4125
000


<210> 4126

<400> 4126
000


<210> 4127

<400> 4127
000


<210> 4128

<400> 4128
000


<210> 4129

<400> 4129
000

<210> 4130

<400> 4130
000


<210> 4131

<400> 4131
000


<210> 4132

<400> 4132
000


<210> 4133

<400> 4133
000


<210> 4134

<400> 4134
000


<210> 4135

<400> 4135
000


<210> 4136

<400> 4136
000


<210> 4137

<400> 4137
000


<210> 4138

<400> 4138
000

<210> 4139

<400> 4139
000


<210> 4140

<400> 4140
000


<210> 4141

<400> 4141
000


<210> 4142

<400> 4142
000


<210> 4143

<400> 4143
000


<210> 4144

<400> 4144
000


<210> 4145

<400> 4145
000


<210> 4146

<400> 4146
000


<210> 4147

<400> 4147

000

<210> 4148

<400> 4148
000

<210> 4149

<400> 4149
000

<210> 4150

<400> 4150
000

<210> 4151

<400> 4151
000

<210> 4152

<400> 4152
000

<210> 4153

<400> 4153
000

<210> 4154

<400> 4154
000

<210> 4155

<400> 4155
000

<210> 4156

<400> 4156
000

<210> 4157

<400> 4157
000

<210> 4158

<400> 4158
000

<210> 4159

<400> 4159
000

<210> 4160

<400> 4160
000

<210> 4161

<400> 4161
000

<210> 4162

<400> 4162
000

<210> 4163

<400> 4163
000

<210> 4164

<400> 4164
000

<210> 4165

<400> 4165
000

<210> 4166

<400> 4166
000

<210> 4167

<400> 4167
000

<210> 4168

<400> 4168
000

<210> 4169

<400> 4169
000

<210> 4170

<400> 4170
000

<210> 4171

<400> 4171
000

<210> 4172

<400> 4172
000

<210> 4173

<400> 4173
000

<210> 4174

<400> 4174
000


<210> 4175

<400> 4175
000


<210> 4176

<400> 4176
000


<210> 4177

<400> 4177
000


<210> 4178

<400> 4178
000


<210> 4179

<400> 4179
000


<210> 4180

<400> 4180
000


<210> 4181

<400> 4181
000


<210> 4182

<400> 4182
000

<210> 4183

<400> 4183
000

<210> 4184

<400> 4184
000

<210> 4185

<400> 4185
000

<210> 4186

<400> 4186
000

<210> 4187

<400> 4187
000

<210> 4188

<400> 4188
000

<210> 4189

<400> 4189
000

<210> 4190

<400> 4190
000

<210> 4191

<400> 4191
000

<210> 4192

<400> 4192
000

<210> 4193

<400> 4193
000

<210> 4194

<400> 4194
000

<210> 4195

<400> 4195
000

<210> 4196

<400> 4196
000

<210> 4197

<400> 4197
000

<210> 4198

<400> 4198
000

<210> 4199

<400> 4199
000

<210> 4200

<400> 4200

000

<210> 4201

<400> 4201
000

<210> 4202

<400> 4202
000

<210> 4203

<400> 4203
000

<210> 4204

<400> 4204
000

<210> 4205

<400> 4205
000

<210> 4206

<400> 4206
000

<210> 4207

<400> 4207
000

<210> 4208

<400> 4208
000

<210> 4209

<400> 4209
000

<210> 4210

<400> 4210
000

<210> 4211

<400> 4211
000

<210> 4212

<400> 4212
000

<210> 4213

<400> 4213
000

<210> 4214

<400> 4214
000

<210> 4215

<400> 4215
000

<210> 4216

<400> 4216
000

<210> 4217

<400> 4217
000

<210> 4218

<400> 4218
000

<210> 4219

<400> 4219
000

<210> 4220

<400> 4220
000

<210> 4221

<400> 4221
000

<210> 4222

<400> 4222
000

<210> 4223

<400> 4223
000

<210> 4224

<400> 4224
000

<210> 4225

<400> 4225
000

<210> 4226

<400> 4226
000

<210> 4227

<400> 4227
000


<210> 4228

<400> 4228
000


<210> 4229

<400> 4229
000


<210> 4230

<400> 4230
000


<210> 4231

<400> 4231
000


<210> 4232

<400> 4232
000


<210> 4233

<400> 4233
000


<210> 4234

<400> 4234
000


<210> 4235

<400> 4235
000

<210> 4236

<400> 4236
000

<210> 4237

<400> 4237
000

<210> 4238

<400> 4238
000

<210> 4239

<400> 4239
000

<210> 4240

<400> 4240
000

<210> 4241

<400> 4241
000

<210> 4242

<400> 4242
000

<210> 4243

<400> 4243
000

<210> 4244

<400> 4244
000

<210> 4245

<400> 4245
000


<210> 4246

<400> 4246
000


<210> 4247

<400> 4247
000


<210> 4248

<400> 4248
000


<210> 4249

<400> 4249
000


<210> 4250

<400> 4250
000


<210> 4251

<400> 4251
000


<210> 4252

<400> 4252
000


<210> 4253

<400> 4253

000

<210> 4254

<400> 4254
000

<210> 4255

<400> 4255
000

<210> 4256

<400> 4256
000

<210> 4257

<400> 4257
000

<210> 4258

<400> 4258
000

<210> 4259

<400> 4259
000

<210> 4260

<400> 4260
000

<210> 4261

<400> 4261
000

<210> 4262

<400> 4262
000

<210> 4263

<400> 4263
000

<210> 4264

<400> 4264
000

<210> 4265

<400> 4265
000

<210> 4266

<400> 4266
000

<210> 4267

<400> 4267
000

<210> 4268

<400> 4268
000

<210> 4269

<400> 4269
000

<210> 4270

<400> 4270
000

<210> 4271

<400> 4271
000

<210> 4272

<400> 4272
000

<210> 4273

<400> 4273
000

<210> 4274

<400> 4274
000

<210> 4275

<400> 4275
000

<210> 4276

<400> 4276
000

<210> 4277

<400> 4277
000

<210> 4278

<400> 4278
000

<210> 4279

<400> 4279
000

<210> 4280

<400> 4280
000


<210> 4281

<400> 4281
000


<210> 4282

<400> 4282
000


<210> 4283

<400> 4283
000


<210> 4284

<400> 4284
000


<210> 4285

<400> 4285
000


<210> 4286

<400> 4286
000


<210> 4287

<400> 4287
000


<210> 4288

<400> 4288
000

<210> 4289

<400> 4289
000


<210> 4290

<400> 4290
000


<210> 4291

<400> 4291
000


<210> 4292

<400> 4292
000


<210> 4293

<400> 4293
000


<210> 4294

<400> 4294
000


<210> 4295

<400> 4295
000


<210> 4296

<400> 4296
000


<210> 4297

<400> 4297
000

<210> 4298

<400> 4298
000


<210> 4299

<400> 4299
000


<210> 4300

<400> 4300
000


<210> 4301

<400> 4301
000


<210> 4302

<400> 4302
000


<210> 4303

<400> 4303
000


<210> 4304

<400> 4304
000


<210> 4305

<400> 4305
000


<210> 4306

<400> 4306

000

<210> 4307

<400> 4307
000

<210> 4308

<400> 4308
000

<210> 4309

<400> 4309
000

<210> 4310

<400> 4310
000

<210> 4311

<400> 4311
000

<210> 4312

<400> 4312
000

<210> 4313

<400> 4313
000

<210> 4314

<400> 4314
000

<210> 4315

<400> 4315
000

<210> 4316

<400> 4316
000

<210> 4317

<400> 4317
000

<210> 4318

<400> 4318
000

<210> 4319

<400> 4319
000

<210> 4320

<400> 4320
000

<210> 4321

<400> 4321
000

<210> 4322

<400> 4322
000

<210> 4323

<400> 4323
000

<210> 4324

<400> 4324
000

<210> 4325

<400> 4325
000

<210> 4326

<400> 4326
000

<210> 4327

<400> 4327
000

<210> 4328

<400> 4328
000

<210> 4329

<400> 4329
000

<210> 4330

<400> 4330
000

<210> 4331

<400> 4331
000

<210> 4332

<400> 4332
000

<210> 4333

<400> 4333
000


<210> 4334

<400> 4334
000


<210> 4335

<400> 4335
000


<210> 4336

<400> 4336
000


<210> 4337

<400> 4337
000


<210> 4338

<400> 4338
000


<210> 4339

<400> 4339
000


<210> 4340

<400> 4340
000


<210> 4341

<400> 4341
000

<210> 4342

<400> 4342
000

<210> 4343

<400> 4343
000

<210> 4344

<400> 4344
000

<210> 4345

<400> 4345
000

<210> 4346

<400> 4346
000

<210> 4347

<400> 4347
000

<210> 4348

<400> 4348
000

<210> 4349

<400> 4349
000

<210> 4350

<400> 4350
000

<210> 4351

<400> 4351
000

<210> 4352

<400> 4352
000

<210> 4353

<400> 4353
000

<210> 4354

<400> 4354
000

<210> 4355

<400> 4355
000

<210> 4356

<400> 4356
000

<210> 4357

<400> 4357
000

<210> 4358

<400> 4358
000

<210> 4359

<400> 4359

000

<210> 4360

<400> 4360
000

<210> 4361

<400> 4361
000

<210> 4362

<400> 4362
000

<210> 4363

<400> 4363
000

<210> 4364

<400> 4364
000

<210> 4365

<400> 4365
000

<210> 4366

<400> 4366
000

<210> 4367

<400> 4367
000

<210> 4368

<400> 4368
000

<210> 4369

<400> 4369
000

<210> 4370

<400> 4370
000

<210> 4371

<400> 4371
000

<210> 4372

<400> 4372
000

<210> 4373

<400> 4373
000

<210> 4374

<400> 4374
000

<210> 4375

<400> 4375
000

<210> 4376

<400> 4376
000

<210> 4377

<400> 4377
000

<210> 4378

<400> 4378
000

<210> 4379

<400> 4379
000

<210> 4380

<400> 4380
000

<210> 4381

<400> 4381
000

<210> 4382

<400> 4382
000

<210> 4383

<400> 4383
000

<210> 4384

<400> 4384
000

<210> 4385

<400> 4385
000

<210> 4386

<400> 4386
000

<210> 4387

<400> 4387
000

<210> 4388

<400> 4388
000

<210> 4389

<400> 4389
000

<210> 4390

<400> 4390
000

<210> 4391

<400> 4391
000

<210> 4392

<400> 4392
000

<210> 4393

<400> 4393
000

<210> 4394

<400> 4394
000

<210> 4395

<400> 4395
000

<210> 4396

<400> 4396
000

<210> 4397

<400> 4397
000

<210> 4398

<400> 4398
000

<210> 4399

<400> 4399
000

<210> 4400

<400> 4400
000

<210> 4401

<400> 4401
000

<210> 4402

<400> 4402
000

<210> 4403

<400> 4403
000

<210> 4404

<400> 4404
000


<210> 4405

<400> 4405
000


<210> 4406

<400> 4406
000


<210> 4407

<400> 4407
000


<210> 4408

<400> 4408
000


<210> 4409

<400> 4409
000


<210> 4410

<400> 4410
000


<210> 4411

<400> 4411
000


<210> 4412

<400> 4412

000

<210> 4413

<400> 4413
000

<210> 4414

<400> 4414
000

<210> 4415

<400> 4415
000

<210> 4416

<400> 4416
000

<210> 4417

<400> 4417
000

<210> 4418

<400> 4418
000

<210> 4419

<400> 4419
000

<210> 4420

<400> 4420
000

<210> 4421

<400> 4421
000

<210> 4422

<400> 4422
000

<210> 4423

<400> 4423
000

<210> 4424

<400> 4424
000

<210> 4425

<400> 4425
000

<210> 4426

<400> 4426
000

<210> 4427

<400> 4427
000

<210> 4428

<400> 4428
000

<210> 4429

<400> 4429
000

<210> 4430

<400> 4430
000

<210> 4431

<400> 4431
000

<210> 4432

<400> 4432
000

<210> 4433

<400> 4433
000

<210> 4434

<400> 4434
000

<210> 4435

<400> 4435
000

<210> 4436

<400> 4436
000

<210> 4437

<400> 4437
000

<210> 4438

<400> 4438
000

<210> 4439

<400> 4439
000


<210> 4440

<400> 4440
000


<210> 4441

<400> 4441
000


<210> 4442

<400> 4442
000


<210> 4443

<400> 4443
000


<210> 4444

<400> 4444
000


<210> 4445

<400> 4445
000


<210> 4446

<400> 4446
000


<210> 4447

<400> 4447
000

<210> 4448

<400> 4448
000


<210> 4449

<400> 4449
000


<210> 4450

<400> 4450
000


<210> 4451

<400> 4451
000


<210> 4452

<400> 4452
000


<210> 4453

<400> 4453
000


<210> 4454

<400> 4454
000


<210> 4455

<400> 4455
000


<210> 4456

<400> 4456
000

<210> 4457

<400> 4457
000

<210> 4458

<400> 4458
000

<210> 4459

<400> 4459
000

<210> 4460

<400> 4460
000

<210> 4461

<400> 4461
000

<210> 4462

<400> 4462
000

<210> 4463

<400> 4463
000

<210> 4464

<400> 4464
000

<210> 4465

<400> 4465

000

<210> 4466

<400> 4466
000

<210> 4467

<400> 4467
000

<210> 4468

<400> 4468
000

<210> 4469

<400> 4469
000

<210> 4470

<400> 4470
000

<210> 4471

<400> 4471
000

<210> 4472

<400> 4472
000

<210> 4473

<400> 4473
000

<210> 4474

<400> 4474
000

<210> 4475

<400> 4475
000

<210> 4476

<400> 4476
000

<210> 4477

<400> 4477
000

<210> 4478

<400> 4478
000

<210> 4479

<400> 4479
000

<210> 4480

<400> 4480
000

<210> 4481

<400> 4481
000

<210> 4482

<400> 4482
000

<210> 4483

<400> 4483
000

<210> 4484

<400> 4484
000

<210> 4485

<400> 4485
000

<210> 4486

<400> 4486
000

<210> 4487

<400> 4487
000

<210> 4488

<400> 4488
000

<210> 4489

<400> 4489
000

<210> 4490

<400> 4490
000

<210> 4491

<400> 4491
000

<210> 4492

<400> 4492
000

<210> 4493

<400> 4493
000

<210> 4494

<400> 4494
000

<210> 4495

<400> 4495
000

<210> 4496

<400> 4496
000

<210> 4497

<400> 4497
000

<210> 4498

<400> 4498
000

<210> 4499

<400> 4499
000

<210> 4500

<400> 4500
000

<210> 4501

<400> 4501
000


<210> 4502

<400> 4502
000


<210> 4503

<400> 4503
000


<210> 4504

<400> 4504
000


<210> 4505

<400> 4505
000


<210> 4506

<400> 4506
000


<210> 4507

<400> 4507
000


<210> 4508

<400> 4508
000


<210> 4509

<400> 4509
000

<210> 4510

<400> 4510
000


<210> 4511

<400> 4511
000


<210> 4512

<400> 4512
000


<210> 4513

<400> 4513
000


<210> 4514

<400> 4514
000


<210> 4515

<400> 4515
000


<210> 4516

<400> 4516
000


<210> 4517

<400> 4517
000


<210> 4518

<400> 4518

000

<210> 4519

<400> 4519
000

<210> 4520

<400> 4520
000

<210> 4521

<400> 4521
000

<210> 4522

<400> 4522
000

<210> 4523

<400> 4523
000

<210> 4524

<400> 4524
000

<210> 4525

<400> 4525
000

<210> 4526

<400> 4526
000

<210> 4527

<400> 4527
000

<210> 4528

<400> 4528
000

<210> 4529

<400> 4529
000

<210> 4530

<400> 4530
000

<210> 4531

<400> 4531
000

<210> 4532

<400> 4532
000

<210> 4533

<400> 4533
000

<210> 4534

<400> 4534
000

<210> 4535

<400> 4535
000

<210> 4536

<400> 4536
000

<210> 4537

<400> 4537
000

<210> 4538

<400> 4538
000

<210> 4539

<400> 4539
000

<210> 4540

<400> 4540
000

<210> 4541

<400> 4541
000

<210> 4542

<400> 4542
000

<210> 4543

<400> 4543
000

<210> 4544

<400> 4544
000

<210> 4545

<400> 4545
000


<210> 4546

<400> 4546
000


<210> 4547

<400> 4547
000


<210> 4548

<400> 4548
000


<210> 4549

<400> 4549
000


<210> 4550

<400> 4550
000


<210> 4551

<400> 4551
000


<210> 4552

<400> 4552
000


<210> 4553

<400> 4553
000

<210> 4554

<400> 4554
000


<210> 4555

<400> 4555
000


<210> 4556

<400> 4556
000


<210> 4557

<400> 4557
000


<210> 4558

<400> 4558
000


<210> 4559

<400> 4559
000


<210> 4560

<400> 4560
000


<210> 4561

<400> 4561
000


<210> 4562

<400> 4562
000

<210> 4563

<400> 4563
000


<210> 4564

<400> 4564
000


<210> 4565

<400> 4565
000


<210> 4566

<400> 4566
000


<210> 4567

<400> 4567
000


<210> 4568

<400> 4568
000


<210> 4569

<400> 4569
000


<210> 4570

<400> 4570
000


<210> 4571

<400> 4571

000

<210> 4572

<400> 4572
000

<210> 4573

<400> 4573
000

<210> 4574

<400> 4574
000

<210> 4575

<400> 4575
000

<210> 4576

<400> 4576
000

<210> 4577

<400> 4577
000

<210> 4578

<400> 4578
000

<210> 4579

<400> 4579
000

<210> 4580

<400> 4580
000

<210> 4581

<400> 4581
000

<210> 4582

<400> 4582
000

<210> 4583

<400> 4583
000

<210> 4584

<400> 4584
000

<210> 4585

<400> 4585
000

<210> 4586

<400> 4586
000

<210> 4587

<400> 4587
000

<210> 4588

<400> 4588
000

<210> 4589

<400> 4589
000

<210> 4590

<400> 4590
000

<210> 4591

<400> 4591
000

<210> 4592

<400> 4592
000

<210> 4593

<400> 4593
000

<210> 4594

<400> 4594
000

<210> 4595

<400> 4595
000

<210> 4596

<400> 4596
000

<210> 4597

<400> 4597
000

<210> 4598

<400> 4598
000


<210> 4599

<400> 4599
000


<210> 4600

<400> 4600
000


<210> 4601

<400> 4601
000


<210> 4602

<400> 4602
000


<210> 4603

<400> 4603
000


<210> 4604

<400> 4604
000


<210> 4605

<400> 4605
000


<210> 4606

<400> 4606
000

<210> 4607

<400> 4607
000

<210> 4608

<400> 4608
000

<210> 4609

<400> 4609
000

<210> 4610

<400> 4610
000

<210> 4611

<400> 4611
000

<210> 4612

<400> 4612
000

<210> 4613

<400> 4613
000

<210> 4614

<400> 4614
000

<210> 4615

<400> 4615
000

<210> 4616

<400> 4616
000


<210> 4617

<400> 4617
000


<210> 4618

<400> 4618
000


<210> 4619

<400> 4619
000


<210> 4620

<400> 4620
000


<210> 4621

<400> 4621
000


<210> 4622

<400> 4622
000


<210> 4623

<400> 4623
000


<210> 4624

<400> 4624

000

<210> 4625

<400> 4625
000

<210> 4626

<400> 4626
000

<210> 4627

<400> 4627
000

<210> 4628

<400> 4628
000

<210> 4629

<400> 4629
000

<210> 4630

<400> 4630
000

<210> 4631

<400> 4631
000

<210> 4632

<400> 4632
000

<210> 4633

<400> 4633
000

<210> 4634

<400> 4634
000

<210> 4635

<400> 4635
000

<210> 4636

<400> 4636
000

<210> 4637

<400> 4637
000

<210> 4638

<400> 4638
000

<210> 4639

<400> 4639
000

<210> 4640

<400> 4640
000

<210> 4641

<400> 4641
000

<210> 4642

<400> 4642
000

<210> 4643

<400> 4643
000

<210> 4644

<400> 4644
000

<210> 4645

<400> 4645
000

<210> 4646

<400> 4646
000

<210> 4647

<400> 4647
000

<210> 4648

<400> 4648
000

<210> 4649

<400> 4649
000

<210> 4650

<400> 4650
000

<210> 4651

<400> 4651
000


<210> 4652

<400> 4652
000


<210> 4653

<400> 4653
000


<210> 4654

<400> 4654
000


<210> 4655

<400> 4655
000


<210> 4656

<400> 4656
000


<210> 4657

<400> 4657
000


<210> 4658

<400> 4658
000


<210> 4659

<400> 4659
000

<210> 4660

<400> 4660
000

<210> 4661

<400> 4661
000

<210> 4662

<400> 4662
000

<210> 4663

<400> 4663
000

<210> 4664

<400> 4664
000

<210> 4665

<400> 4665
000

<210> 4666

<400> 4666
000

<210> 4667

<400> 4667
000

<210> 4668

<400> 4668
000

<210> 4669

<400> 4669
000

<210> 4670

<400> 4670
000

<210> 4671

<400> 4671
000

<210> 4672

<400> 4672
000

<210> 4673

<400> 4673
000

<210> 4674

<400> 4674
000

<210> 4675

<400> 4675
000

<210> 4676

<400> 4676
000

<210> 4677

<400> 4677

000

<210> 4678

<400> 4678
000

<210> 4679

<400> 4679
000

<210> 4680

<400> 4680
000

<210> 4681

<400> 4681
000

<210> 4682

<400> 4682
000

<210> 4683

<400> 4683
000

<210> 4684

<400> 4684
000

<210> 4685

<400> 4685
000

<210> 4686

<400> 4686
000

<210> 4687

<400> 4687
000

<210> 4688

<400> 4688
000

<210> 4689

<400> 4689
000

<210> 4690

<400> 4690
000

<210> 4691

<400> 4691
000

<210> 4692

<400> 4692
000

<210> 4693

<400> 4693
000

<210> 4694

<400> 4694
000

<210> 4695

<400> 4695
000

<210> 4696

<400> 4696
000

<210> 4697

<400> 4697
000

<210> 4698

<400> 4698
000

<210> 4699

<400> 4699
000

<210> 4700

<400> 4700
000

<210> 4701

<400> 4701
000

<210> 4702

<400> 4702
000

<210> 4703

<400> 4703
000

<210> 4704

<400> 4704
000


<210> 4705

<400> 4705
000


<210> 4706

<400> 4706
000


<210> 4707

<400> 4707
000


<210> 4708

<400> 4708
000


<210> 4709

<400> 4709
000


<210> 4710

<400> 4710
000


<210> 4711

<400> 4711
000


<210> 4712

<400> 4712
000

<210> 4713

<400> 4713
000

<210> 4714

<400> 4714
000

<210> 4715

<400> 4715
000

<210> 4716

<400> 4716
000

<210> 4717

<400> 4717
000

<210> 4718

<400> 4718
000

<210> 4719

<400> 4719
000

<210> 4720

<400> 4720
000

<210> 4721

<400> 4721
000

<210> 4722

<400> 4722
000

<210> 4723

<400> 4723
000

<210> 4724

<400> 4724
000

<210> 4725

<400> 4725
000

<210> 4726

<400> 4726
000

<210> 4727

<400> 4727
000

<210> 4728

<400> 4728
000

<210> 4729

<400> 4729
000

<210> 4730

<400> 4730

000

<210> 4731

<400> 4731
000

<210> 4732

<400> 4732
000

<210> 4733

<400> 4733
000

<210> 4734

<400> 4734
000

<210> 4735

<400> 4735
000

<210> 4736

<400> 4736
000

<210> 4737

<400> 4737
000

<210> 4738

<400> 4738
000

<210> 4739

<400> 4739
000

<210> 4740

<400> 4740
000

<210> 4741

<400> 4741
000

<210> 4742

<400> 4742
000

<210> 4743

<400> 4743
000

<210> 4744

<400> 4744
000

<210> 4745

<400> 4745
000

<210> 4746

<400> 4746
000

<210> 4747

<400> 4747
000

<210> 4748

<400> 4748
000

<210> 4749

<400> 4749
000

<210> 4750

<400> 4750
000

<210> 4751

<400> 4751
000

<210> 4752

<400> 4752
000

<210> 4753

<400> 4753
000

<210> 4754

<400> 4754
000

<210> 4755

<400> 4755
000

<210> 4756

<400> 4756
000

<210> 4757

<400> 4757
000


<210> 4758

<400> 4758
000


<210> 4759

<400> 4759
000


<210> 4760

<400> 4760
000


<210> 4761

<400> 4761
000


<210> 4762

<400> 4762
000


<210> 4763

<400> 4763
000


<210> 4764

<400> 4764
000


<210> 4765

<400> 4765
000

<210> 4766

<400> 4766
000

<210> 4767

<400> 4767
000

<210> 4768

<400> 4768
000

<210> 4769

<400> 4769
000

<210> 4770

<400> 4770
000

<210> 4771

<400> 4771
000

<210> 4772

<400> 4772
000

<210> 4773

<400> 4773
000

<210> 4774

<400> 4774
000

<210> 4775

<400> 4775
000


<210> 4776

<400> 4776
000


<210> 4777

<400> 4777
000


<210> 4778

<400> 4778
000


<210> 4779

<400> 4779
000


<210> 4780

<400> 4780
000


<210> 4781

<400> 4781
000


<210> 4782

<400> 4782
000


<210> 4783

<400> 4783

000

<210> 4784

<400> 4784
000

<210> 4785

<400> 4785
000

<210> 4786

<400> 4786
000

<210> 4787

<400> 4787
000

<210> 4788

<400> 4788
000

<210> 4789

<400> 4789
000

<210> 4790

<400> 4790
000

<210> 4791

<400> 4791
000

<210> 4792

<400> 4792
000

<210> 4793

<400> 4793
000

<210> 4794

<400> 4794
000

<210> 4795

<400> 4795
000

<210> 4796

<400> 4796
000

<210> 4797

<400> 4797
000

<210> 4798

<400> 4798
000

<210> 4799

<400> 4799
000

<210> 4800

<400> 4800
000

<210> 4801

<400> 4801
000

<210> 4802

<400> 4802
000

<210> 4803

<400> 4803
000

<210> 4804

<400> 4804
000

<210> 4805

<400> 4805
000

<210> 4806

<400> 4806
000

<210> 4807

<400> 4807
000

<210> 4808

<400> 4808
000

<210> 4809

<400> 4809
000

<210> 4810

<400> 4810
000


<210> 4811

<400> 4811
000


<210> 4812

<400> 4812
000


<210> 4813

<400> 4813
000


<210> 4814

<400> 4814
000


<210> 4815

<400> 4815
000


<210> 4816

<400> 4816
000


<210> 4817

<400> 4817
000


<210> 4818

<400> 4818
000

<210> 4819

<400> 4819
000

<210> 4820

<400> 4820
000

<210> 4821

<400> 4821
000

<210> 4822

<400> 4822
000

<210> 4823

<400> 4823
000

<210> 4824

<400> 4824
000

<210> 4825

<400> 4825
000

<210> 4826

<400> 4826
000

<210> 4827

<400> 4827
000

<210> 4828

<400> 4828
000

<210> 4829

<400> 4829
000

<210> 4830

<400> 4830
000

<210> 4831

<400> 4831
000

<210> 4832

<400> 4832
000

<210> 4833

<400> 4833
000

<210> 4834

<400> 4834
000

<210> 4835

<400> 4835
000

<210> 4836

<400> 4836

000

<210> 4837

<400> 4837
000

<210> 4838

<400> 4838
000

<210> 4839

<400> 4839
000

<210> 4840

<400> 4840
000

<210> 4841

<400> 4841
000

<210> 4842

<400> 4842
000

<210> 4843

<400> 4843
000

<210> 4844

<400> 4844
000

<210> 4845

<400> 4845
000

<210> 4846

<400> 4846
000

<210> 4847

<400> 4847
000

<210> 4848

<400> 4848
000

<210> 4849

<400> 4849
000

<210> 4850

<400> 4850
000

<210> 4851

<400> 4851
000

<210> 4852

<400> 4852
000

<210> 4853

<400> 4853
000

<210> 4854

<400> 4854
000

<210> 4855

<400> 4855
000

<210> 4856

<400> 4856
000

<210> 4857

<400> 4857
000

<210> 4858

<400> 4858
000

<210> 4859

<400> 4859
000

<210> 4860

<400> 4860
000

<210> 4861

<400> 4861
000

<210> 4862

<400> 4862
000

<210> 4863

<400> 4863
000


<210> 4864

<400> 4864
000


<210> 4865

<400> 4865
000


<210> 4866

<400> 4866
000


<210> 4867

<400> 4867
000


<210> 4868

<400> 4868
000


<210> 4869

<400> 4869
000


<210> 4870

<400> 4870
000


<210> 4871

<400> 4871
000

<210> 4872

<400> 4872
000

<210> 4873

<400> 4873
000

<210> 4874

<400> 4874
000

<210> 4875

<400> 4875
000

<210> 4876

<400> 4876
000

<210> 4877

<400> 4877
000

<210> 4878

<400> 4878
000

<210> 4879

<400> 4879
000

<210> 4880

<400> 4880
000

<210> 4881

<400> 4881
000

<210> 4882

<400> 4882
000

<210> 4883

<400> 4883
000

<210> 4884

<400> 4884
000

<210> 4885

<400> 4885
000

<210> 4886

<400> 4886
000

<210> 4887

<400> 4887
000

<210> 4888

<400> 4888
000

<210> 4889

<400> 4889

000

<210> 4890

<400> 4890
000

<210> 4891

<400> 4891
000

<210> 4892

<400> 4892
000

<210> 4893

<400> 4893
000

<210> 4894

<400> 4894
000

<210> 4895

<400> 4895
000

<210> 4896

<400> 4896
000

<210> 4897

<400> 4897
000

<210> 4898

<400> 4898
000

<210> 4899

<400> 4899
000

<210> 4900

<400> 4900
000

<210> 4901

<400> 4901
000

<210> 4902

<400> 4902
000

<210> 4903

<400> 4903
000

<210> 4904

<400> 4904
000

<210> 4905

<400> 4905
000

<210> 4906

<400> 4906
000

<210> 4907

<400> 4907
000

<210> 4908

<400> 4908
000

<210> 4909

<400> 4909
000

<210> 4910

<400> 4910
000

<210> 4911

<400> 4911
000

<210> 4912

<400> 4912
000

<210> 4913

<400> 4913
000

<210> 4914

<400> 4914
000

<210> 4915

<400> 4915
000

<210> 4916

<400> 4916
000


<210> 4917

<400> 4917
000


<210> 4918

<400> 4918
000


<210> 4919

<400> 4919
000


<210> 4920

<400> 4920
000


<210> 4921

<400> 4921
000


<210> 4922

<400> 4922
000


<210> 4923

<400> 4923
000


<210> 4924

<400> 4924
000

<210> 4925

<400> 4925
000

<210> 4926

<400> 4926
000

<210> 4927

<400> 4927
000

<210> 4928

<400> 4928
000

<210> 4929

<400> 4929
000

<210> 4930

<400> 4930
000

<210> 4931

<400> 4931
000

<210> 4932

<400> 4932
000

<210> 4933

<400> 4933
000

<210> 4934

<400> 4934
000


<210> 4935

<400> 4935
000


<210> 4936

<400> 4936
000


<210> 4937

<400> 4937
000


<210> 4938

<400> 4938
000


<210> 4939

<400> 4939
000


<210> 4940

<400> 4940
000


<210> 4941

<400> 4941
000


<210> 4942

<400> 4942

000

<210> 4943

<400> 4943
000

<210> 4944

<400> 4944
000

<210> 4945

<400> 4945
000

<210> 4946

<400> 4946
000

<210> 4947

<400> 4947
000

<210> 4948

<400> 4948
000

<210> 4949

<400> 4949
000

<210> 4950

<400> 4950
000

<210> 4951

<400> 4951
000

<210> 4952

<400> 4952
000

<210> 4953

<400> 4953
000

<210> 4954

<400> 4954
000

<210> 4955

<400> 4955
000

<210> 4956

<400> 4956
000

<210> 4957

<400> 4957
000

<210> 4958

<400> 4958
000

<210> 4959

<400> 4959
000

<210> 4960

<400> 4960
000

<210> 4961

<400> 4961
000

<210> 4962

<400> 4962
000

<210> 4963

<400> 4963
000

<210> 4964

<400> 4964
000

<210> 4965

<400> 4965
000

<210> 4966

<400> 4966
000

<210> 4967

<400> 4967
000

<210> 4968

<400> 4968
000

<210> 4969

<400> 4969
000


<210> 4970

<400> 4970
000


<210> 4971

<400> 4971
000


<210> 4972

<400> 4972
000


<210> 4973

<400> 4973
000


<210> 4974

<400> 4974
000


<210> 4975

<400> 4975
000


<210> 4976

<400> 4976
000


<210> 4977

<400> 4977
000

<210> 4978

<400> 4978
000

<210> 4979

<400> 4979
000

<210> 4980

<400> 4980
000

<210> 4981

<400> 4981
000

<210> 4982

<400> 4982
000

<210> 4983

<400> 4983
000

<210> 4984

<400> 4984
000

<210> 4985

<400> 4985
000

<210> 4986

<400> 4986
000

<210> 4987

<400> 4987
000

<210> 4988

<400> 4988
000

<210> 4989

<400> 4989
000

<210> 4990

<400> 4990
000

<210> 4991

<400> 4991
000

<210> 4992

<400> 4992
000

<210> 4993

<400> 4993
000

<210> 4994

<400> 4994
000

<210> 4995

<400> 4995

000

<210> 4996

<400> 4996
000

<210> 4997

<400> 4997
000

<210> 4998

<400> 4998
000

<210> 4999

<400> 4999
000

<210> 5000

<400> 5000
000

<210> 5001

<400> 5001
000

<210> 5002

<400> 5002
000

<210> 5003

<400> 5003
000

<210> 5004

<400> 5004
000

<210> 5005

<400> 5005
000

<210> 5006

<400> 5006
000

<210> 5007

<400> 5007
000

<210> 5008

<400> 5008
000

<210> 5009

<400> 5009
000

<210> 5010

<400> 5010
000

<210> 5011

<400> 5011
000

<210> 5012

<400> 5012
000

<210> 5013

<400> 5013
000

<210> 5014

<400> 5014
000

<210> 5015

<400> 5015
000

<210> 5016

<400> 5016
000

<210> 5017

<400> 5017
000

<210> 5018

<400> 5018
000

<210> 5019

<400> 5019
000

<210> 5020

<400> 5020
000

<210> 5021

<400> 5021
000

<210> 5022

<400> 5022
000

<210> 5023

<400> 5023
000

<210> 5024

<400> 5024
000

<210> 5025

<400> 5025
000

<210> 5026

<400> 5026
000

<210> 5027

<400> 5027
000

<210> 5028

<400> 5028
000

<210> 5029

<400> 5029
000

<210> 5030

<400> 5030
000

<210> 5031

<400> 5031
000

<210> 5032

<400> 5032
000

<210> 5033

<400> 5033
000

<210> 5034

<400> 5034
000

<210> 5035

<400> 5035
000

<210> 5036

<400> 5036
000

<210> 5037

<400> 5037
000

<210> 5038

<400> 5038
000

<210> 5039

<400> 5039
000

<210> 5040

<400> 5040
000


<210> 5041

<400> 5041
000


<210> 5042

<400> 5042
000


<210> 5043

<400> 5043
000


<210> 5044

<400> 5044
000


<210> 5045

<400> 5045
000


<210> 5046

<400> 5046
000


<210> 5047

<400> 5047
000


<210> 5048

<400> 5048

000

<210> 5049

<400> 5049
000

<210> 5050

<400> 5050
000

<210> 5051

<400> 5051
000

<210> 5052

<400> 5052
000

<210> 5053

<400> 5053
000

<210> 5054

<400> 5054
000

<210> 5055

<400> 5055
000

<210> 5056

<400> 5056
000

<210> 5057

<400> 5057
000

<210> 5058

<400> 5058
000

<210> 5059

<400> 5059
000

<210> 5060

<400> 5060
000

<210> 5061

<400> 5061
000

<210> 5062

<400> 5062
000

<210> 5063

<400> 5063
000

<210> 5064

<400> 5064
000

<210> 5065

<400> 5065
000

<210> 5066

<400> 5066
000

<210> 5067

<400> 5067
000

<210> 5068

<400> 5068
000

<210> 5069

<400> 5069
000

<210> 5070

<400> 5070
000

<210> 5071

<400> 5071
000

<210> 5072

<400> 5072
000

<210> 5073

<400> 5073
000

<210> 5074

<400> 5074
000

<210> 5075

<400> 5075
000

<210> 5076

<400> 5076
000

<210> 5077

<400> 5077
000

<210> 5078

<400> 5078
000

<210> 5079

<400> 5079
000

<210> 5080

<400> 5080
000

<210> 5081

<400> 5081
000

<210> 5082

<400> 5082
000

<210> 5083

<400> 5083
000

<210> 5084

<400> 5084
000


<210> 5085

<400> 5085
000


<210> 5086

<400> 5086
000


<210> 5087

<400> 5087
000


<210> 5088

<400> 5088
000


<210> 5089

<400> 5089
000


<210> 5090

<400> 5090
000


<210> 5091

<400> 5091
000


<210> 5092

<400> 5092
000

<210> 5093

<400> 5093
000

<210> 5094

<400> 5094
000

<210> 5095

<400> 5095
000

<210> 5096

<400> 5096
000

<210> 5097

<400> 5097
000

<210> 5098

<400> 5098
000

<210> 5099

<400> 5099
000

<210> 5100

<400> 5100
000

<210> 5101

<400> 5101

000

<210> 5102

<400> 5102
000

<210> 5103

<400> 5103
000

<210> 5104

<400> 5104
000

<210> 5105

<400> 5105
000

<210> 5106

<400> 5106
000

<210> 5107

<400> 5107
000

<210> 5108

<400> 5108
000

<210> 5109

<400> 5109
000

<210> 5110

<400> 5110
000

<210> 5111

<400> 5111
000

<210> 5112

<400> 5112
000

<210> 5113

<400> 5113
000

<210> 5114

<400> 5114
000

<210> 5115

<400> 5115
000

<210> 5116

<400> 5116
000

<210> 5117

<400> 5117
000

<210> 5118

<400> 5118
000

<210> 5119

<400> 5119
000

<210> 5120

<400> 5120
000

<210> 5121

<400> 5121
000

<210> 5122

<400> 5122
000

<210> 5123

<400> 5123
000

<210> 5124

<400> 5124
000

<210> 5125

<400> 5125
000

<210> 5126

<400> 5126
000

<210> 5127

<400> 5127
000

<210> 5128

<400> 5128
000


<210> 5129

<400> 5129
000


<210> 5130

<400> 5130
000


<210> 5131

<400> 5131
000


<210> 5132

<400> 5132
000


<210> 5133

<400> 5133
000


<210> 5134

<400> 5134
000


<210> 5135

<400> 5135
000


<210> 5136

<400> 5136
000

<210> 5137

<400> 5137
000

<210> 5138

<400> 5138
000

<210> 5139

<400> 5139
000

<210> 5140

<400> 5140
000

<210> 5141

<400> 5141
000

<210> 5142

<400> 5142
000

<210> 5143

<400> 5143
000

<210> 5144

<400> 5144
000

<210> 5145

<400> 5145
000

<210> 5146

<400> 5146
000


<210> 5147

<400> 5147
000


<210> 5148

<400> 5148
000


<210> 5149

<400> 5149
000


<210> 5150

<400> 5150
000


<210> 5151

<400> 5151
000


<210> 5152

<400> 5152
000


<210> 5153

<400> 5153
000


<210> 5154

<400> 5154

000

<210> 5155

<400> 5155
000

<210> 5156

<400> 5156
000

<210> 5157

<400> 5157
000

<210> 5158

<400> 5158
000

<210> 5159

<400> 5159
000

<210> 5160

<400> 5160
000

<210> 5161

<400> 5161
000

<210> 5162

<400> 5162
000

<210> 5163

<400> 5163
000

<210> 5164

<400> 5164
000

<210> 5165

<400> 5165
000

<210> 5166

<400> 5166
000

<210> 5167

<400> 5167
000

<210> 5168

<400> 5168
000

<210> 5169

<400> 5169
000

<210> 5170

<400> 5170
000

<210> 5171

<400> 5171
000

<210> 5172

<400> 5172
000

<210> 5173

<400> 5173
000

<210> 5174

<400> 5174
000

<210> 5175

<400> 5175
000

<210> 5176

<400> 5176
000

<210> 5177

<400> 5177
000

<210> 5178

<400> 5178
000

<210> 5179

<400> 5179
000

<210> 5180

<400> 5180
000

<210> 5181

<400> 5181
000

<210> 5182

<400> 5182
000

<210> 5183

<400> 5183
000

<210> 5184

<400> 5184
000

<210> 5185

<400> 5185
000

<210> 5186

<400> 5186
000

<210> 5187

<400> 5187
000

<210> 5188

<400> 5188
000

<210> 5189

<400> 5189
000

<210> 5190

<400> 5190
000


<210> 5191

<400> 5191
000


<210> 5192

<400> 5192
000


<210> 5193

<400> 5193
000


<210> 5194

<400> 5194
000


<210> 5195

<400> 5195
000


<210> 5196

<400> 5196
000


<210> 5197

<400> 5197
000


<210> 5198

<400> 5198
000

<210> 5199

<400> 5199
000

<210> 5200

<400> 5200
000

<210> 5201

<400> 5201
000

<210> 5202

<400> 5202
000

<210> 5203

<400> 5203
000

<210> 5204

<400> 5204
000

<210> 5205

<400> 5205
000

<210> 5206

<400> 5206
000

<210> 5207

<400> 5207

000

<210> 5208

<400> 5208
000

<210> 5209

<400> 5209
000

<210> 5210

<400> 5210
000

<210> 5211

<400> 5211
000

<210> 5212

<400> 5212
000

<210> 5213

<400> 5213
000

<210> 5214

<400> 5214
000

<210> 5215

<400> 5215
000

<210> 5216

<400> 5216
000

<210> 5217

<400> 5217
000

<210> 5218

<400> 5218
000

<210> 5219

<400> 5219
000

<210> 5220

<400> 5220
000

<210> 5221

<400> 5221
000

<210> 5222

<400> 5222
000

<210> 5223

<400> 5223
000

<210> 5224

<400> 5224
000

<210> 5225

<400> 5225
000

<210> 5226

<400> 5226
000

<210> 5227

<400> 5227
000

<210> 5228

<400> 5228
000

<210> 5229

<400> 5229
000

<210> 5230

<400> 5230
000

<210> 5231

<400> 5231
000

<210> 5232

<400> 5232
000

<210> 5233

<400> 5233
000

<210> 5234

<400> 5234
000


<210> 5235

<400> 5235
000


<210> 5236

<400> 5236
000


<210> 5237

<400> 5237
000


<210> 5238

<400> 5238
000


<210> 5239

<400> 5239
000


<210> 5240

<400> 5240
000


<210> 5241

<400> 5241
000


<210> 5242

<400> 5242
000

<210> 5243

<400> 5243
000


<210> 5244

<400> 5244
000


<210> 5245

<400> 5245
000


<210> 5246

<400> 5246
000


<210> 5247

<400> 5247
000


<210> 5248

<400> 5248
000


<210> 5249

<400> 5249
000


<210> 5250

<400> 5250
000


<210> 5251

<400> 5251
000

<210> 5252

<400> 5252
000


<210> 5253

<400> 5253
000


<210> 5254

<400> 5254
000


<210> 5255

<400> 5255
000


<210> 5256

<400> 5256
000


<210> 5257

<400> 5257
000


<210> 5258

<400> 5258
000


<210> 5259

<400> 5259
000


<210> 5260

<400> 5260

000

<210> 5261

<400> 5261
000

<210> 5262

<400> 5262
000

<210> 5263

<400> 5263
000

<210> 5264

<400> 5264
000

<210> 5265

<400> 5265
000

<210> 5266

<400> 5266
000

<210> 5267

<400> 5267
000

<210> 5268

<400> 5268
000

<210> 5269

<400> 5269
000

<210> 5270

<400> 5270
000

<210> 5271

<400> 5271
000

<210> 5272

<400> 5272
000

<210> 5273

<400> 5273
000

<210> 5274

<400> 5274
000

<210> 5275

<400> 5275
000

<210> 5276

<400> 5276
000

<210> 5277

<400> 5277
000

<210> 5278

<400> 5278
000

<210> 5279

<400> 5279
000

<210> 5280

<400> 5280
000

<210> 5281

<400> 5281
000

<210> 5282

<400> 5282
000

<210> 5283

<400> 5283
000

<210> 5284

<400> 5284
000

<210> 5285

<400> 5285
000

<210> 5286

<400> 5286
000

<210> 5287

<400> 5287
000


<210> 5288

<400> 5288
000


<210> 5289

<400> 5289
000


<210> 5290

<400> 5290
000


<210> 5291

<400> 5291
000


<210> 5292

<400> 5292
000


<210> 5293

<400> 5293
000


<210> 5294

<400> 5294
000


<210> 5295

<400> 5295
000

<210> 5296

<400> 5296
000


<210> 5297

<400> 5297
000


<210> 5298

<400> 5298
000


<210> 5299

<400> 5299
000


<210> 5300

<400> 5300
000


<210> 5301

<400> 5301
000


<210> 5302

<400> 5302
000


<210> 5303

<400> 5303
000


<210> 5304

<400> 5304
000

<210> 5305

<400> 5305
000


<210> 5306

<400> 5306
000


<210> 5307

<400> 5307
000


<210> 5308

<400> 5308
000


<210> 5309

<400> 5309
000


<210> 5310

<400> 5310
000


<210> 5311

<400> 5311
000


<210> 5312

<400> 5312
000


<210> 5313

<400> 5313

000

<210> 5314

<400> 5314
000

<210> 5315

<400> 5315
000

<210> 5316

<400> 5316
000

<210> 5317

<400> 5317
000

<210> 5318

<400> 5318
000

<210> 5319

<400> 5319
000

<210> 5320

<400> 5320
000

<210> 5321

<400> 5321
000

<210> 5322

<400> 5322
000

<210> 5323

<400> 5323
000

<210> 5324

<400> 5324
000

<210> 5325

<400> 5325
000

<210> 5326

<400> 5326
000

<210> 5327

<400> 5327
000

<210> 5328

<400> 5328
000

<210> 5329

<400> 5329
000

<210> 5330

<400> 5330
000

<210> 5331

<400> 5331
000

<210> 5332

<400> 5332
000

<210> 5333

<400> 5333
000

<210> 5334

<400> 5334
000

<210> 5335

<400> 5335
000

<210> 5336

<400> 5336
000

<210> 5337

<400> 5337
000

<210> 5338

<400> 5338
000

<210> 5339

<400> 5339
000

<210> 5340

<400> 5340
000


<210> 5341

<400> 5341
000


<210> 5342

<400> 5342
000


<210> 5343

<400> 5343
000


<210> 5344

<400> 5344
000


<210> 5345

<400> 5345
000


<210> 5346

<400> 5346
000


<210> 5347

<400> 5347
000


<210> 5348

<400> 5348
000

<210> 5349

<400> 5349
000


<210> 5350

<400> 5350
000


<210> 5351

<400> 5351
000


<210> 5352

<400> 5352
000


<210> 5353

<400> 5353
000


<210> 5354

<400> 5354
000


<210> 5355

<400> 5355
000


<210> 5356

<400> 5356
000


<210> 5357

<400> 5357
000

<210> 5358

<400> 5358
000


<210> 5359

<400> 5359
000


<210> 5360

<400> 5360
000


<210> 5361

<400> 5361
000


<210> 5362

<400> 5362
000


<210> 5363

<400> 5363
000


<210> 5364

<400> 5364
000


<210> 5365

<400> 5365
000


<210> 5366

<400> 5366

000

<210> 5367

<400> 5367
000

<210> 5368

<400> 5368
000

<210> 5369

<400> 5369
000

<210> 5370

<400> 5370
000

<210> 5371

<400> 5371
000

<210> 5372

<400> 5372
000

<210> 5373

<400> 5373
000

<210> 5374

<400> 5374
000

<210> 5375

<400> 5375
000

<210> 5376

<400> 5376
000

<210> 5377

<400> 5377
000

<210> 5378

<400> 5378
000

<210> 5379

<400> 5379
000

<210> 5380

<400> 5380
000

<210> 5381

<400> 5381
000

<210> 5382

<400> 5382
000

<210> 5383

<400> 5383
000

<210> 5384

<400> 5384
000

<210> 5385

<400> 5385
000

<210> 5386

<400> 5386
000

<210> 5387

<400> 5387
000

<210> 5388

<400> 5388
000

<210> 5389

<400> 5389
000

<210> 5390

<400> 5390
000

<210> 5391

<400> 5391
000

<210> 5392

<400> 5392
000

<210> 5393

<400> 5393
000


<210> 5394

<400> 5394
000


<210> 5395

<400> 5395
000


<210> 5396

<400> 5396
000


<210> 5397

<400> 5397
000


<210> 5398

<400> 5398
000


<210> 5399

<400> 5399
000


<210> 5400

<400> 5400
000


<210> 5401

<400> 5401
000

<210> 5402

<400> 5402
000


<210> 5403

<400> 5403
000


<210> 5404

<400> 5404
000


<210> 5405

<400> 5405
000


<210> 5406

<400> 5406
000


<210> 5407

<400> 5407
000


<210> 5408

<400> 5408
000


<210> 5409

<400> 5409
000


<210> 5410

<400> 5410
000

<210> 5411

<400> 5411
000


<210> 5412

<400> 5412
000


<210> 5413

<400> 5413
000


<210> 5414

<400> 5414
000


<210> 5415

<400> 5415
000


<210> 5416

<400> 5416
000


<210> 5417

<400> 5417
000


<210> 5418

<400> 5418
000


<210> 5419

<400> 5419

000

<210> 5420

<400> 5420
000

<210> 5421

<400> 5421
000

<210> 5422

<400> 5422
000

<210> 5423

<400> 5423
000

<210> 5424

<400> 5424
000

<210> 5425

<400> 5425
000

<210> 5426

<400> 5426
000

<210> 5427

<400> 5427
000

<210> 5428

<400> 5428
000

<210> 5429

<400> 5429
000

<210> 5430

<400> 5430
000

<210> 5431

<400> 5431
000

<210> 5432

<400> 5432
000

<210> 5433

<400> 5433
000

<210> 5434

<400> 5434
000

<210> 5435

<400> 5435
000

<210> 5436

<400> 5436
000

<210> 5437

<400> 5437
000

<210> 5438

<400> 5438
000

<210> 5439

<400> 5439
000

<210> 5440

<400> 5440
000

<210> 5441

<400> 5441
000

<210> 5442

<400> 5442
000

<210> 5443

<400> 5443
000

<210> 5444

<400> 5444
000

<210> 5445

<400> 5445
000

<210> 5446

<400> 5446
000

<210> 5447

<400> 5447
000

<210> 5448

<400> 5448
000

<210> 5449

<400> 5449
000

<210> 5450

<400> 5450
000

<210> 5451

<400> 5451
000

<210> 5452

<400> 5452
000

<210> 5453

<400> 5453
000

<210> 5454

<400> 5454
000

<210> 5455

<400> 5455
000


<210> 5456

<400> 5456
000


<210> 5457

<400> 5457
000


<210> 5458

<400> 5458
000


<210> 5459

<400> 5459
000


<210> 5460

<400> 5460
000


<210> 5461

<400> 5461
000


<210> 5462

<400> 5462
000


<210> 5463

<400> 5463
000

<210> 5464

<400> 5464
000

<210> 5465

<400> 5465
000

<210> 5466

<400> 5466
000

<210> 5467

<400> 5467
000

<210> 5468

<400> 5468
000

<210> 5469

<400> 5469
000

<210> 5470

<400> 5470
000

<210> 5471

<400> 5471
000

<210> 5472

<400> 5472

000

<210> 5473

<400> 5473
000

<210> 5474

<400> 5474
000

<210> 5475

<400> 5475
000

<210> 5476

<400> 5476
000

<210> 5477

<400> 5477
000

<210> 5478

<400> 5478
000

<210> 5479

<400> 5479
000

<210> 5480

<400> 5480
000

<210> 5481

<400> 5481
000

<210> 5482

<400> 5482
000

<210> 5483

<400> 5483
000

<210> 5484

<400> 5484
000

<210> 5485

<400> 5485
000

<210> 5486

<400> 5486
000

<210> 5487

<400> 5487
000

<210> 5488

<400> 5488
000

<210> 5489

<400> 5489
000

<210> 5490

<400> 5490
000

<210> 5491

<400> 5491
000

<210> 5492

<400> 5492
000

<210> 5493

<400> 5493
000

<210> 5494

<400> 5494
000

<210> 5495

<400> 5495
000

<210> 5496

<400> 5496
000

<210> 5497

<400> 5497
000

<210> 5498

<400> 5498
000

<210> 5499

<400> 5499
000


<210> 5500

<400> 5500
000


<210> 5501

<400> 5501
000


<210> 5502

<400> 5502
000


<210> 5503

<400> 5503
000


<210> 5504

<400> 5504
000


<210> 5505

<400> 5505
000


<210> 5506

<400> 5506
000


<210> 5507

<400> 5507
000

<210> 5508

<400> 5508
000


<210> 5509

<400> 5509
000


<210> 5510

<400> 5510
000


<210> 5511

<400> 5511
000


<210> 5512

<400> 5512
000


<210> 5513

<400> 5513
000


<210> 5514

<400> 5514
000


<210> 5515

<400> 5515
000


<210> 5516

<400> 5516
000

<210> 5517

<400> 5517
000

<210> 5518

<400> 5518
000

<210> 5519

<400> 5519
000

<210> 5520

<400> 5520
000

<210> 5521

<400> 5521
000

<210> 5522

<400> 5522
000

<210> 5523

<400> 5523
000

<210> 5524

<400> 5524
000

<210> 5525

<400> 5525

000

<210> 5526

<400> 5526
000

<210> 5527

<400> 5527
000

<210> 5528

<400> 5528
000

<210> 5529

<400> 5529
000

<210> 5530

<400> 5530
000

<210> 5531

<400> 5531
000

<210> 5532

<400> 5532
000

<210> 5533

<400> 5533
000

<210> 5534

<400> 5534
000

<210> 5535

<400> 5535
000

<210> 5536

<400> 5536
000

<210> 5537

<400> 5537
000

<210> 5538

<400> 5538
000

<210> 5539

<400> 5539
000

<210> 5540

<400> 5540
000

<210> 5541

<400> 5541
000

<210> 5542

<400> 5542
000

<210> 5543

<400> 5543
000

<210> 5544

<400> 5544
000

<210> 5545

<400> 5545
000

<210> 5546

<400> 5546
000

<210> 5547

<400> 5547
000

<210> 5548

<400> 5548
000

<210> 5549

<400> 5549
000

<210> 5550

<400> 5550
000

<210> 5551

<400> 5551
000

<210> 5552

<400> 5552
000


<210> 5553

<400> 5553
000


<210> 5554

<400> 5554
000


<210> 5555

<400> 5555
000


<210> 5556

<400> 5556
000


<210> 5557

<400> 5557
000


<210> 5558

<400> 5558
000


<210> 5559

<400> 5559
000


<210> 5560

<400> 5560
000

<210> 5561

<400> 5561
000

<210> 5562

<400> 5562
000

<210> 5563

<400> 5563
000

<210> 5564

<400> 5564
000

<210> 5565

<400> 5565
000

<210> 5566

<400> 5566
000

<210> 5567

<400> 5567
000

<210> 5568

<400> 5568
000

<210> 5569

<400> 5569
000

<210> 5570

<400> 5570
000


<210> 5571

<400> 5571
000


<210> 5572

<400> 5572
000


<210> 5573

<400> 5573
000


<210> 5574

<400> 5574
000


<210> 5575

<400> 5575
000


<210> 5576

<400> 5576
000


<210> 5577

<400> 5577
000


<210> 5578

<400> 5578

000

<210> 5579

<400> 5579
000

<210> 5580

<400> 5580
000

<210> 5581

<400> 5581
000

<210> 5582

<400> 5582
000

<210> 5583

<400> 5583
000

<210> 5584

<400> 5584
000

<210> 5585

<400> 5585
000

<210> 5586

<400> 5586
000

<210> 5587

<400> 5587
000

<210> 5588

<400> 5588
000

<210> 5589

<400> 5589
000

<210> 5590

<400> 5590
000

<210> 5591

<400> 5591
000

<210> 5592

<400> 5592
000

<210> 5593

<400> 5593
000

<210> 5594

<400> 5594
000

<210> 5595

<400> 5595
000

<210> 5596

<400> 5596
000

<210> 5597

<400> 5597
000

<210> 5598

<400> 5598
000

<210> 5599

<400> 5599
000

<210> 5600

<400> 5600
000

<210> 5601

<400> 5601
000

<210> 5602

<400> 5602
000

<210> 5603

<400> 5603
000

<210> 5604

<400> 5604
000

<210> 5605

<400> 5605
000


<210> 5606

<400> 5606
000


<210> 5607

<400> 5607
000


<210> 5608

<400> 5608
000


<210> 5609

<400> 5609
000


<210> 5610

<400> 5610
000


<210> 5611

<400> 5611
000


<210> 5612

<400> 5612
000


<210> 5613

<400> 5613
000

<210> 5614

<400> 5614
000


<210> 5615

<400> 5615
000


<210> 5616

<400> 5616
000


<210> 5617

<400> 5617
000


<210> 5618

<400> 5618
000


<210> 5619

<400> 5619
000


<210> 5620

<400> 5620
000


<210> 5621

<400> 5621
000


<210> 5622

<400> 5622
000

<210> 5623

<400> 5623
000


<210> 5624

<400> 5624
000


<210> 5625

<400> 5625
000


<210> 5626

<400> 5626
000


<210> 5627

<400> 5627
000


<210> 5628

<400> 5628
000


<210> 5629

<400> 5629
000


<210> 5630

<400> 5630
000


<210> 5631

<400> 5631

000

<210> 5632

<400> 5632
000

<210> 5633

<400> 5633
000

<210> 5634

<400> 5634
000

<210> 5635

<400> 5635
000

<210> 5636

<400> 5636
000

<210> 5637

<400> 5637
000

<210> 5638

<400> 5638
000

<210> 5639

<400> 5639
000

<210> 5640

<400> 5640
000

<210> 5641

<400> 5641
000

<210> 5642

<400> 5642
000

<210> 5643

<400> 5643
000

<210> 5644

<400> 5644
000

<210> 5645

<400> 5645
000

<210> 5646

<400> 5646
000

<210> 5647

<400> 5647
000

<210> 5648

<400> 5648
000

<210> 5649

<400> 5649
000

<210> 5650

<400> 5650
000

<210> 5651

<400> 5651
000

<210> 5652

<400> 5652
000

<210> 5653

<400> 5653
000

<210> 5654

<400> 5654
000

<210> 5655

<400> 5655
000

<210> 5656

<400> 5656
000

<210> 5657

<400> 5657
000

<210> 5658

<400> 5658
000


<210> 5659

<400> 5659
000


<210> 5660

<400> 5660
000


<210> 5661

<400> 5661
000


<210> 5662

<400> 5662
000


<210> 5663

<400> 5663
000


<210> 5664

<400> 5664
000


<210> 5665

<400> 5665
000


<210> 5666

<400> 5666
000

<210> 5667

<400> 5667
000


<210> 5668

<400> 5668
000


<210> 5669

<400> 5669
000


<210> 5670

<400> 5670
000


<210> 5671

<400> 5671
000


<210> 5672

<400> 5672
000


<210> 5673

<400> 5673
000


<210> 5674

<400> 5674
000


<210> 5675

<400> 5675
000

<210> 5676

<400> 5676
000

<210> 5677

<400> 5677
000

<210> 5678

<400> 5678
000

<210> 5679

<400> 5679
000

<210> 5680

<400> 5680
000

<210> 5681

<400> 5681
000

<210> 5682

<400> 5682
000

<210> 5683

<400> 5683
000

<210> 5684

<400> 5684

000

<210> 5685

<400> 5685
000

<210> 5686

<400> 5686
000

<210> 5687

<400> 5687
000

<210> 5688

<400> 5688
000

<210> 5689

<400> 5689
000

<210> 5690

<400> 5690
000

<210> 5691

<400> 5691
000

<210> 5692

<400> 5692
000

<210> 5693

<400> 5693
000

<210> 5694

<400> 5694
000

<210> 5695

<400> 5695
000

<210> 5696

<400> 5696
000

<210> 5697

<400> 5697
000

<210> 5698

<400> 5698
000

<210> 5699

<400> 5699
000

<210> 5700

<400> 5700
000

<210> 5701

<400> 5701
000

<210> 5702

<400> 5702
000

<210> 5703

<400> 5703
000

<210> 5704

<400> 5704
000

<210> 5705

<400> 5705
000

<210> 5706

<400> 5706
000

<210> 5707

<400> 5707
000

<210> 5708

<400> 5708
000

<210> 5709

<400> 5709
000

<210> 5710

<400> 5710
000

<210> 5711

<400> 5711
000

<210> 5712

<400> 5712
000

<210> 5713

<400> 5713
000

<210> 5714

<400> 5714
000

<210> 5715

<400> 5715
000

<210> 5716

<400> 5716
000

<210> 5717

<400> 5717
000

<210> 5718

<400> 5718
000

<210> 5719

<400> 5719
000

<210> 5720

<400> 5720
000


<210> 5721

<400> 5721
000


<210> 5722

<400> 5722
000


<210> 5723

<400> 5723
000


<210> 5724

<400> 5724
000


<210> 5725

<400> 5725
000


<210> 5726

<400> 5726
000


<210> 5727

<400> 5727
000


<210> 5728

<400> 5728
000

<210> 5729

<400> 5729
000


<210> 5730

<400> 5730
000


<210> 5731

<400> 5731
000


<210> 5732

<400> 5732
000


<210> 5733

<400> 5733
000


<210> 5734

<400> 5734
000


<210> 5735

<400> 5735
000


<210> 5736

<400> 5736
000


<210> 5737

<400> 5737

000

<210> 5738

<400> 5738
000

<210> 5739

<400> 5739
000

<210> 5740

<400> 5740
000

<210> 5741

<400> 5741
000

<210> 5742

<400> 5742
000

<210> 5743

<400> 5743
000

<210> 5744

<400> 5744
000

<210> 5745

<400> 5745
000

<210> 5746

<400> 5746
000

<210> 5747

<400> 5747
000

<210> 5748

<400> 5748
000

<210> 5749

<400> 5749
000

<210> 5750

<400> 5750
000

<210> 5751

<400> 5751
000

<210> 5752

<400> 5752
000

<210> 5753

<400> 5753
000

<210> 5754

<400> 5754
000

<210> 5755

<400> 5755
000

<210> 5756

<400> 5756
000

<210> 5757

<400> 5757
000

<210> 5758

<400> 5758
000

<210> 5759

<400> 5759
000

<210> 5760

<400> 5760
000

<210> 5761

<400> 5761
000

<210> 5762

<400> 5762
000

<210> 5763

<400> 5763
000

<210> 5764

<400> 5764
000


<210> 5765

<400> 5765
000


<210> 5766

<400> 5766
000


<210> 5767

<400> 5767
000


<210> 5768

<400> 5768
000


<210> 5769

<400> 5769
000


<210> 5770

<400> 5770
000


<210> 5771

<400> 5771
000


<210> 5772

<400> 5772
000

<210> 5773

<400> 5773
000

<210> 5774

<400> 5774
000

<210> 5775

<400> 5775
000

<210> 5776

<400> 5776
000

<210> 5777

<400> 5777
000

<210> 5778

<400> 5778
000

<210> 5779

<400> 5779
000

<210> 5780

<400> 5780
000

<210> 5781

<400> 5781
000

<210> 5782

<400> 5782
000

<210> 5783

<400> 5783
000

<210> 5784

<400> 5784
000

<210> 5785

<400> 5785
000

<210> 5786

<400> 5786
000

<210> 5787

<400> 5787
000

<210> 5788

<400> 5788
000

<210> 5789

<400> 5789
000

<210> 5790

<400> 5790

000

<210> 5791

<400> 5791
000

<210> 5792

<400> 5792
000

<210> 5793

<400> 5793
000

<210> 5794

<400> 5794
000

<210> 5795

<400> 5795
000

<210> 5796

<400> 5796
000

<210> 5797

<400> 5797
000

<210> 5798

<400> 5798
000

<210> 5799

<400> 5799
000

<210> 5800

<400> 5800
000

<210> 5801

<400> 5801
000

<210> 5802

<400> 5802
000

<210> 5803

<400> 5803
000

<210> 5804

<400> 5804
000

<210> 5805

<400> 5805
000

<210> 5806

<400> 5806
000

<210> 5807

<400> 5807
000

<210> 5808

<400> 5808
000

<210> 5809

<400> 5809
000

<210> 5810

<400> 5810
000

<210> 5811

<400> 5811
000

<210> 5812

<400> 5812
000

<210> 5813

<400> 5813
000

<210> 5814

<400> 5814
000

<210> 5815

<400> 5815
000

<210> 5816

<400> 5816
000

<210> 5817

<400> 5817
000


<210> 5818

<400> 5818
000


<210> 5819

<400> 5819
000


<210> 5820

<400> 5820
000


<210> 5821

<400> 5821
000


<210> 5822

<400> 5822
000


<210> 5823

<400> 5823
000


<210> 5824

<400> 5824
000


<210> 5825

<400> 5825
000

<210> 5826

<400> 5826
000


<210> 5827

<400> 5827
000


<210> 5828

<400> 5828
000


<210> 5829

<400> 5829
000


<210> 5830

<400> 5830
000


<210> 5831

<400> 5831
000


<210> 5832

<400> 5832
000


<210> 5833

<400> 5833
000


<210> 5834

<400> 5834
000

<210> 5835

<400> 5835
000


<210> 5836

<400> 5836
000


<210> 5837

<400> 5837
000


<210> 5838

<400> 5838
000


<210> 5839

<400> 5839
000


<210> 5840

<400> 5840
000


<210> 5841

<400> 5841
000


<210> 5842

<400> 5842
000


<210> 5843

<400> 5843

000

<210> 5844

<400> 5844
000

<210> 5845

<400> 5845
000

<210> 5846

<400> 5846
000

<210> 5847

<400> 5847
000

<210> 5848

<400> 5848
000

<210> 5849

<400> 5849
000

<210> 5850

<400> 5850
000

<210> 5851

<400> 5851
000

<210> 5852

<400> 5852
000

<210> 5853

<400> 5853
000

<210> 5854

<400> 5854
000

<210> 5855

<400> 5855
000

<210> 5856

<400> 5856
000

<210> 5857

<400> 5857
000

<210> 5858

<400> 5858
000

<210> 5859

<400> 5859
000

<210> 5860

<400> 5860
000

<210> 5861

<400> 5861
000

<210> 5862

<400> 5862
000

<210> 5863

<400> 5863
000

<210> 5864

<400> 5864
000

<210> 5865

<400> 5865
000

<210> 5866

<400> 5866
000

<210> 5867

<400> 5867
000

<210> 5868

<400> 5868
000

<210> 5869

<400> 5869
000

<210> 5870

<400> 5870
000


<210> 5871

<400> 5871
000


<210> 5872

<400> 5872
000


<210> 5873

<400> 5873
000


<210> 5874

<400> 5874
000


<210> 5875

<400> 5875
000


<210> 5876

<400> 5876
000


<210> 5877

<400> 5877
000


<210> 5878

<400> 5878
000

<210> 5879

<400> 5879
000

<210> 5880

<400> 5880
000

<210> 5881

<400> 5881
000

<210> 5882

<400> 5882
000

<210> 5883

<400> 5883
000

<210> 5884

<400> 5884
000

<210> 5885

<400> 5885
000

<210> 5886

<400> 5886
000

<210> 5887

<400> 5887
000

<210> 5888

<400> 5888
000

<210> 5889

<400> 5889
000

<210> 5890

<400> 5890
000

<210> 5891

<400> 5891
000

<210> 5892

<400> 5892
000

<210> 5893

<400> 5893
000

<210> 5894

<400> 5894
000

<210> 5895

<400> 5895
000

<210> 5896

<400> 5896

000

<210> 5897

<400> 5897
000

<210> 5898

<400> 5898
000

<210> 5899

<400> 5899
000

<210> 5900

<400> 5900
000

<210> 5901

<400> 5901
000

<210> 5902

<400> 5902
000

<210> 5903

<400> 5903
000

<210> 5904

<400> 5904
000

<210> 5905

<400> 5905
000

<210> 5906

<400> 5906
000

<210> 5907

<400> 5907
000

<210> 5908

<400> 5908
000

<210> 5909

<400> 5909
000

<210> 5910

<400> 5910
000

<210> 5911

<400> 5911
000

<210> 5912

<400> 5912
000

<210> 5913

<400> 5913
000

<210> 5914

<400> 5914
000

<210> 5915

<400> 5915
000

<210> 5916

<400> 5916
000

<210> 5917

<400> 5917
000

<210> 5918

<400> 5918
000

<210> 5919

<400> 5919
000

<210> 5920

<400> 5920
000

<210> 5921

<400> 5921
000

<210> 5922

<400> 5922
000

<210> 5923

<400> 5923
000


<210> 5924

<400> 5924
000


<210> 5925

<400> 5925
000


<210> 5926

<400> 5926
000


<210> 5927

<400> 5927
000


<210> 5928

<400> 5928
000


<210> 5929

<400> 5929
000


<210> 5930

<400> 5930
000


<210> 5931

<400> 5931
000

<210> 5932

<400> 5932
000

<210> 5933

<400> 5933
000

<210> 5934

<400> 5934
000

<210> 5935

<400> 5935
000

<210> 5936

<400> 5936
000

<210> 5937

<400> 5937
000

<210> 5938

<400> 5938
000

<210> 5939

<400> 5939
000

<210> 5940

<400> 5940
000

<210> 5941

<400> 5941
000


<210> 5942

<400> 5942
000


<210> 5943

<400> 5943
000


<210> 5944

<400> 5944
000


<210> 5945

<400> 5945
000


<210> 5946

<400> 5946
000


<210> 5947

<400> 5947
000


<210> 5948

<400> 5948
000


<210> 5949

<400> 5949

000

<210> 5950

<400> 5950
000

<210> 5951

<400> 5951
000

<210> 5952

<400> 5952
000

<210> 5953

<400> 5953
000

<210> 5954

<400> 5954
000

<210> 5955

<400> 5955
000

<210> 5956

<400> 5956
000

<210> 5957

<400> 5957
000

<210> 5958

<400> 5958
000

<210> 5959

<400> 5959
000

<210> 5960

<400> 5960
000

<210> 5961

<400> 5961
000

<210> 5962

<400> 5962
000

<210> 5963

<400> 5963
000

<210> 5964

<400> 5964
000

<210> 5965

<400> 5965
000

<210> 5966

<400> 5966
000

<210> 5967

<400> 5967
000

<210> 5968

<400> 5968
000

<210> 5969

<400> 5969
000

<210> 5970

<400> 5970
000

<210> 5971

<400> 5971
000

<210> 5972

<400> 5972
000

<210> 5973

<400> 5973
000

<210> 5974

<400> 5974
000

<210> 5975

<400> 5975
000

<210> 5976

<400> 5976
000


<210> 5977

<400> 5977
000


<210> 5978

<400> 5978
000


<210> 5979

<400> 5979
000


<210> 5980

<400> 5980
000


<210> 5981

<400> 5981
000


<210> 5982

<400> 5982
000


<210> 5983

<400> 5983
000


<210> 5984

<400> 5984
000

<210> 5985

<400> 5985
000

<210> 5986

<400> 5986
000

<210> 5987

<400> 5987
000

<210> 5988

<400> 5988
000

<210> 5989

<400> 5989
000

<210> 5990

<400> 5990
000

<210> 5991

<400> 5991
000

<210> 5992

<400> 5992
000

<210> 5993

<400> 5993
000

<210> 5994

<400> 5994
000


<210> 5995

<400> 5995
000


<210> 5996

<400> 5996
000


<210> 5997

<400> 5997
000


<210> 5998

<400> 5998
000


<210> 5999

<400> 5999
000


<210> 6000
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6000
Thr Gly Gly Tyr His Trp Asn
1               5

<210> 6001
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6001
Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 6002
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6002
Gly Asn Trp His Tyr Phe Asp Phe
1 5

<210> 6003
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6003
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

<210> 6004
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6004
Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu Trp Met Gly
1               5                   10


<210> 6005
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6005
Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe Leu Gln
1               5                   10                  15


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


<210> 6006
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6006
Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
1               5                   10


<210> 6007
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

peptide"

<400> 6007
Thr Gly Gly Tyr His Trp Asn
1 5

<210> 6008
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 6008
Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15

<210> 6009
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 6009
Gly Asn Trp His Tyr Phe Asp Tyr
1 5

<210> 6010
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6010
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Ser Leu Ser Leu Thr Cys Ser Val Thr Gly Phe Ser Ile Asn

20 25 30

<210> 6011
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 6011
Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu Trp Met Gly
1 5 10

<210> 6012
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6012
Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe Leu Gln
1 5 10 15

Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Thr Tyr Tyr Cys Thr Arg
20 25 30

<210> 6013
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 6013
Trp Gly Gln Gly Thr Leu Val Ala Val Ser Ser
1 5 10

<210> 6014

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6014
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15

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

<210> 6015
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6015
Trp Ile Arg Gln Pro Ala Gly Lys Gly Leu Glu Trp Ile Gly
1 5 10

<210> 6016
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6016
Arg Val Thr Met Ser Arg Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
1 5 10 15

Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 6017

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6017
Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
1 5 10

<210> 6018
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6018
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

<210> 6019
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6019
Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly
1 5 10

<210> 6020
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6020
Leu Val Thr Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
1 5 10 15

Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 6021
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6021
Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
1 5 10

<210> 6022
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6022
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

<210> 6023
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6023
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Gly
1 5 10

<210> 6024
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6024
Arg Phe Thr Ile Ser Arg Asp Thr Ser Lys Asn Thr Phe Tyr Leu Gln
1 5 10 15

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

<210> 6025
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6025
Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
1 5 10

<210> 6026
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6026
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Asn
            20                  25                  30

<210> 6027
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6027
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1               5                   10

<210> 6028
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6028
Arg Val Thr Ile Thr Arg Asp Thr Ser Thr Asn Thr Phe Tyr Met Glu
1               5                   10                  15

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            20                  25                  30

<210> 6029
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6029
Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
1               5                   10


<210> 6030
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6030
Glu Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


<210> 6031

<400> 6031
000


<210> 6032
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6032
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Gly
1               5                   10


<210> 6033
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6033
Arg Phe Thr Ile Ser Arg Asp Thr Ala Lys Asn Ser Phe Tyr Leu Gln
1 5 10 15

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

<210> 6034
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6034
Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
1 5 10

<210> 6035
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6035
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Asn
20 25 30

<210> 6036
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6036
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

<210> 6037
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6037
Arg Val Thr Met Thr Arg Asp Thr Ser Thr Asn Thr Phe Tyr Met Glu
1 5 10 15

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 6038
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6038
Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
1 5 10

<210> 6039
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6039

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

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

<210> 6040
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6040
Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly
1               5                   10

<210> 6041
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6041
Leu Val Thr Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
1               5                   10                  15

Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            20                  25                  30

<210> 6042
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6042

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 6043
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6043
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15

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

<210> 6044
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 6044
Trp Ile Arg Gln Pro Ala Gly Lys Gly Leu Glu Trp Ile Gly
1 5 10

<210> 6045
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6045
Arg Val Thr Met Ser Arg Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys
1 5 10 15

Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            20                  25                  30


<210> 6046
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6046
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1               5                   10


<210> 6047
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6047
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


<210> 6048
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6048
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Gly
1               5                   10

<210> 6049
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6049
Arg Phe Thr Ile Ser Arg Asp Thr Ser Lys Asn Thr Phe Tyr Leu Gln
1 5 10 15

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

<210> 6050
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6050
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 6051
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6051
Gln Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

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

<210> 6052
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6052
Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Gly
1 5 10

<210> 6053
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6053
Arg Phe Thr Ile Ser Arg Asp Thr Ala Lys Asn Ser Phe Tyr Leu Gln
1 5 10 15

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

<210> 6054
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6054
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 6055
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6055
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Asn
20 25 30

<210> 6056
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6056
Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
1 5 10

<210> 6057
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6057
Arg Val Thr Met Thr Arg Asp Thr Ser Thr Asn Thr Phe Tyr Met Glu
1 5 10 15

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 6058
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6058
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1               5                   10


<210> 6059
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6059
Glu Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Thr Val Lys Ile Ser Cys Lys Val Ser Gly Phe Ser Ile Asn
            20                  25                  30


<210> 6060
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6060
Trp Val Gln Gln Ala Pro Gly Lys Gly Leu Glu Trp Met Gly
1               5                   10


<210> 6061
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polypeptide"

<400> 6061
Arg Val Thr Ile Thr Arg Asp Thr Ser Thr Asn Thr Phe Tyr Met Glu
1 5 10 15

Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 6062
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6062
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 6063
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6063
Ser Gly Glu Arg Leu Ser Asp Lys Tyr Val His
1 5 10

<210> 6064
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6064
Glu Asn Asp Lys Arg Pro Ser

1 5

<210> 6065
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 6065
Gln Ala Gly Tyr Glu Ala Asp Tyr Tyr Cys
1 5 10

<210> 6066
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 6066
Ser Tyr Thr Leu Thr Gln Pro Pro Leu Leu Ser Val Ala Leu Gly His
1 5 10 15

Lys Ala Thr Ile Thr Cys
20

<210> 6067
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 6067
Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Val Met Val Ile Tyr
1 5 10 15

<210> 6068

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6068
Gly Ile Pro Asp Gln Phe Ser Gly Ser Asn Ser Gly Asn Ile Ala Thr
1 5 10 15

Leu Thr Ile Ser Lys Ala
20

<210> 6069
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6069
Phe Gly Ser Gly Thr Gln Leu Thr Val Leu
1 5 10

<210> 6070
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6070
Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val His
1 5 10

<210> 6071
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6071
Glu Asn Glu Lys Arg Pro Ser
1 5

<210> 6072
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6072
His Tyr Trp Glu Ser Ile Asn Ser Val Val
1 5 10

<210> 6073
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6073
Ser Tyr Thr Leu Thr Gln Pro Pro Ser Leu Ser Val Ala Pro Gly Gln
1 5 10 15

Lys Ala Thr Ile Ile Cys
20

<210> 6074
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6074
Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Val Met Val Ile Tyr
1               5                   10                  15


<210> 6075
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6075
Gly Ile Pro Asp Gln Phe Ser Gly Ser Asn Ser Gly Asn Ile Ala Thr
1               5                   10                  15


Leu Thr Ile Ser Lys Ala Gln Pro Gly Ser Glu Ala Asp Tyr Tyr Cys
            20                  25                  30


<210> 6076
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6076
Phe Gly Ser Gly Thr His Leu Thr Val Leu
1               5                   10


<210> 6077
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6077
Gln Ser Val Thr Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln
1               5                   10                  15

Arg Val Thr Ile Ser Cys
            20

<210> 6078
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6078
Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
1               5                   10                  15

<210> 6079
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6079
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Ser Ala Ser
1               5                   10                  15

Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
            20                  25                  30

<210> 6080
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6080
Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
1               5                   10

<210> 6081
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6081
Gln Ser Val Thr Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys
20

<210> 6082
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6082
Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
1 5 10 15

<210> 6083
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6083
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Ser Ala Ser
1 5 10 15

Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys
20 25 30

<210> 6084
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6084
Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
1 5 10

<210> 6085
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6085
Gln Ser Val Thr Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys
20

<210> 6086
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6086
Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
1 5 10 15

<210> 6087
<211> 32

<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6087
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Ser Ala Ser
1 5 10 15

Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys
20 25 30

<210> 6088
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6088
Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
1 5 10

<210> 6089
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6089
Ser Ser Glu Thr Thr Gln Pro His Ser Val Ser Val Ala Thr Ala Gln
1 5 10 15

Met Ala Arg Ile Thr Cys
20

<210> 6090
<211> 15

<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6090
Trp Tyr Gln Gln Lys Pro Gly Gln Asp Pro Val Met Val Ile Tyr
1 5 10 15

<210> 6091
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6091
Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Pro Gly Asn Thr Ala Thr
1 5 10 15

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

<210> 6092
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6092
Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
1 5 10

<210> 6093
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6093
Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys
20

<210> 6094
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6094
Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Met Leu Ile Tyr
1 5 10 15

<210> 6095
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6095
Gly Val Pro Ser Arg Phe Ser Gly Ser Asn Ser Gly Asn Glu Ala Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 6096
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6096
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 6097
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6097
Gln Tyr Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys
20

<210> 6098
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6098
Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
1 5 10 15

<210> 6099
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6099
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Ser Ala Ser
1               5                   10                  15

Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys
            20                  25                  30

<210> 6100
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6100
Phe Gly Glu Gly Thr Glu Leu Thr Val Leu
1               5                   10

<210> 6101
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6101
Gln Tyr Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1               5                   10                  15

Arg Val Thr Ile Ser Cys
            20

<210> 6102
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6102
Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
1               5                   10                  15


<210> 6103
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6103
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Ser Ala Ser
1               5                   10                  15


Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys
            20                  25                  30


<210> 6104
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6104
Phe Gly Glu Gly Thr Glu Leu Thr Val Leu
1               5                   10


<210> 6105
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6105
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1               5                   10                  15

Thr Ala Ser Ile Thr Cys
            20

<210> 6106
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6106
Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Met Val Ile Tyr
1               5                   10                  15

<210> 6107
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6107
Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr
1               5                   10                  15

Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys
            20                  25                  30

<210> 6108
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 6108
Phe Gly Glu Gly Thr Glu Leu Thr Val Leu
1               5                   10

<210> 6109
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6109
Asp Tyr Val Leu Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
1 5 10 15

Glu Pro Ala Ser Ile Ser Cys
20

<210> 6110
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6110
Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Met Leu Ile Tyr
1 5 10 15

<210> 6111
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6111
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Asp Ala Thr
1 5 10 15

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys
20 25 30

<210> 6112
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6112
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 6113
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6113
Ala Tyr Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys
20

<210> 6114
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6114
Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Met Leu Ile Tyr
1 5 10 15

<210> 6115
<211> 32
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6115
Gly Val Pro Ser Arg Phe Ser Gly Ser Asn Ser Gly Asn Asp Ala Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
20 25 30

<210> 6116
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6116
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 6117
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6117
Glu Tyr Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys
20

<210> 6118
<211> 15
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6118
Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Met Leu Ile Tyr
1 5 10 15

<210> 6119
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6119
Gly Ile Pro Ala Arg Phe Ser Gly Ser Asn Ser Gly Asn Glu Ala Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

<210> 6120
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6120
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 6121
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6121
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
35 40 45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
50 55 60

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

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

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
100 105 110

Met Val Thr Val Ser Ser
115

<210> 6122
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6122
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

```
Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
        35                  40                  45


Trp Met Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
    50                  55                  60


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


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


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


Leu Val Ala Val Ser Ser
        115


<210> 6123
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6123
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1               5                   10                  15


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


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


Trp Ile Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60
```

```
Leu Lys Ser Arg Val Thr Met Ser Arg Asp Thr Ser Lys Asn Gln Phe
65                  70                  75                  80


Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110


Met Val Thr Val Ser Ser
        115


<210> 6124
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6124
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1               5                   10                  15


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


Gly Tyr His Trp Asn Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
        35                  40                  45


Trp Ile Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60


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


Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
                85                  90                  95


Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110
```

Met Val Thr Val Ser Ser
        115


<210> 6125
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6125
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


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


Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60


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


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


Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110


Met Val Thr Val Ser Ser
        115


<210> 6126
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6126
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Asn Thr Gly
            20                  25                  30

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

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60

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

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

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110

Met Val Thr Val Ser Ser
        115

<210> 6127
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6127
Glu Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60

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

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

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110

Met Val Thr Val Ser Ser
        115

<210> 6128
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6128
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Asn Thr Gly
            20                  25                  30

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

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser

```
    50                  55                  60

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

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

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110

Met Val Thr Val Ser Ser
        115
```

<210> 6129
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6129

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

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

Gly Tyr His Trp Asn Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
        35                  40                  45

Trp Ile Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
    50                  55                  60

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

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
                85                  90                  95
```

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 6130
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6130
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15

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

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

Trp Ile Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
50 55 60

Leu Lys Ser Arg Val Thr Met Ser Arg Asp Thr Ser Lys Asn Gln Phe
65 70 75 80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 6131

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

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6131
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Trp Val Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
50 55 60

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

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

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 6132
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6132

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


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


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


Trp Val Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
    50                  55                  60


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


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


Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
            100                 105                 110


Leu Val Thr Val Ser Ser
        115


<210> 6133
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6133
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Asn Thr Gly
            20                  25                  30


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

```
Trp Met Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
    50                  55                  60


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


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


Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
            100                 105                 110


Leu Val Thr Val Ser Ser
        115


<210> 6134
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6134
Glu Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Thr Val Lys Ile Ser Cys Lys Val Ser Gly Phe Ser Ile Asn Thr Gly
            20                  25                  30


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


Trp Met Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
    50                  55                  60


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

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


Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
            100                 105                 110


Leu Val Thr Val Ser Ser
        115


<210> 6135
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6135
Ser Tyr Thr Leu Thr Gln Pro Pro Leu Leu Ser Val Ala Leu Gly His
1               5                   10                  15


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


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


Glu Asn Asp Lys Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
    50                  55                  60


Asn Ser Gly Asn Ile Ala Thr Leu Thr Ile Ser Lys Ala Gln Ala Gly
65                  70                  75                  80


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


Leu



<210> 6136
<211> 107
```

<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6136
Ser Tyr Thr Leu Thr Gln Pro Pro Ser Leu Ser Val Ala Pro Gly Gln
1 5 10 15

Lys Ala Thr Ile Ile Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val
20 25 30

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

Glu Asn Glu Lys Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Ile Ala Thr Leu Thr Ile Ser Lys Ala Gln Pro Gly
65 70 75 80

Ser Glu Ala Asp Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser Val
85 90 95

Val Phe Gly Ser Gly Thr His Leu Thr Val Leu
100 105

<210> 6137
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6137
Gln Ser Val Thr Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Glu Arg Leu Ser Asp Lys Tyr Val

```
            20                  25                  30

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
        35                  40                  45

Glu Asn Asp Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
    50                  55                  60

Asn Ser Gly Asn Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu
65                  70                  75                  80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Trp Asp Ser Thr Asn Ser Ala
                85                  90                  95

Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
            100                 105


<210> 6138
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6138
Gln Ser Val Thr Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1               5                   10                  15

Arg Val Thr Ile Ser Cys Ser Gly Glu Arg Leu Ser Asp Lys Tyr Val
            20                  25                  30

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
        35                  40                  45

Glu Asn Asp Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
    50                  55                  60

Asn Ser Gly Asn Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu
65                  70                  75                  80
```

Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Trp Asp Ser Thr Asn Ser Ala
85 90 95

Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
100 105

<210> 6139
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6139
Gln Ser Val Thr Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Glu Arg Leu Ser Asp Lys Tyr Val
20 25 30

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
35 40 45

Glu Asn Asp Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Trp Asp Ser Thr Asn Ser Ala
85 90 95

Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
100 105

<210> 6140
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6140
Ser Ser Glu Thr Thr Gln Pro His Ser Val Ser Val Ala Thr Ala Gln
1 5 10 15

Met Ala Arg Ile Thr Cys Ser Gly Glu Arg Leu Ser Asp Lys Tyr Val
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Gln Asp Pro Val Met Val Ile Tyr
35 40 45

Glu Asn Asp Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

Asn Pro Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Ile Glu Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Trp Asp Ser Thr Asn Ser Ala
85 90 95

Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
100 105

<210> 6141
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6141
Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Gly Glu Arg Leu Ser Asp Lys Tyr
20 25 30

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

Tyr Glu Asn Asp Lys Arg Pro Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Asn Ser Gly Asn Glu Ala Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Ser Trp Asp Ser Thr Asn Ser
                85                  90                  95

Ala Val Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105

<210> 6142
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6142
Gln Tyr Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1               5                   10                  15

Arg Val Thr Ile Ser Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val
            20                  25                  30

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
        35                  40                  45

Glu Asn Glu Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
    50                  55                  60

Asn Ser Gly Asn Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu
65                  70                  75                  80

Asp Glu Ala Asp Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser Val
                85                  90                  95

```
Val Phe Gly Glu Gly Thr Glu Leu Thr Val Leu
            100                 105


<210> 6143
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6143
Gln Tyr Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1               5                   10                  15


Arg Val Thr Ile Ser Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val
            20                  25                  30


His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
        35                  40                  45


Glu Asn Glu Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
    50                  55                  60


Asn Ser Gly Asn Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu
65                  70                  75                  80


Asp Glu Ala Asp Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser Val
                85                  90                  95


Val Phe Gly Glu Gly Thr Glu Leu Thr Val Leu
            100                 105


<210> 6144
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
```

polypeptide"

<400> 6144
Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

Thr Ala Ser Ile Thr Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Met Val Ile Tyr
35 40 45

Glu Asn Glu Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser Val
85 90 95

Val Phe Gly Glu Gly Thr Glu Leu Thr Val Leu
100 105

<210> 6145
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6145
Asp Tyr Val Leu Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
1 5 10 15

Glu Pro Ala Ser Ile Ser Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr
20 25 30

Val His Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Met Leu Ile
35 40 45

Tyr Glu Asn Glu Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
    50                  55                  60

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

Glu Asp Val Gly Val Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser
                85                  90                  95

Val Val Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105

<210> 6146
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6146
Ala Tyr Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                   10                  15

Asp Arg Val Thr Ile Thr Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr
            20                  25                  30

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

Tyr Glu Asn Glu Lys Arg Pro Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Asn Ser Gly Asn Asp Ala Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser
                85                  90                  95

Val Val Phe Gly Gln Gly Thr Lys Val Glu Ile Lys

100 105

<210> 6147
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6147
Glu Tyr Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr
20 25 30

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

Tyr Glu Asn Glu Lys Arg Pro Ser Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60

Ser Asn Ser Gly Asn Glu Ala Thr Leu Thr Ile Ser Ser Leu Gln Ser
65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser
85 90 95

Val Val Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 6148
<211> 448
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6148

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

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

Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
        35                  40                  45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60

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

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

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110

Met Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
        115                 120                 125

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
    130                 135                 140

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
145                 150                 155                 160

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
                165                 170                 175

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
            180                 185                 190

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
        195                 200                 205

Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys Thr
```

```
    210                 215                 220

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
225                 230                 235                 240

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
                245                 250                 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
            260                 265                 270

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
        275                 280                 285

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val
    290                 295                 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305                 310                 315                 320

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
                325                 330                 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Cys Thr Leu
            340                 345                 350

Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Ser Cys
        355                 360                 365

Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
    370                 375                 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385                 390                 395                 400

Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val Asp Lys Ser
                405                 410                 415

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
            420                 425                 430
```

```
Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
        435                 440                 445


<210> 6149
<211> 448
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6149
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1               5                   10                  15


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


Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
        35                  40                  45


Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60


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


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


Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110


Met Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
        115                 120                 125


Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
    130                 135                 140
```

```
Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
145                 150                 155                 160

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
                165                 170                 175

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
            180                 185                 190

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
        195                 200                 205

Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys Thr
    210                 215                 220

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
225                 230                 235                 240

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
                245                 250                 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
            260                 265                 270

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
        275                 280                 285

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
    290                 295                 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305                 310                 315                 320

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
                325                 330                 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Cys Thr Leu
            340                 345                 350

Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Ser Cys
```

```
        355                 360                 365

Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
    370                 375                 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385                 390                 395                 400

Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val Asp Lys Ser
                405                 410                 415

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
            420                 425                 430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
        435                 440                 445


<210> 6150
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6150
Ser Tyr Thr Leu Thr Gln Pro Pro Leu Leu Ser Val Ala Leu Gly His
1               5                   10                  15

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

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

Glu Asn Asp Lys Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
    50                  55                  60

Asn Ser Gly Asn Ile Ala Thr Leu Thr Ile Ser Lys Ala Gln Ala Gly
65                  70                  75                  80
```

```
Tyr Glu Ala Asp Tyr Tyr Cys Gln Ser Trp Asp Ser Thr Asn Ser Ala
                85                  90                  95


Val Phe Gly Ser Gly Thr Gln Leu Thr Val Leu Gly Gln Pro Lys Ala
            100                 105                 110


Asn Pro Thr Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln Ala
        115                 120                 125


Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala
    130                 135                 140


Val Thr Val Ala Trp Lys Ala Asp Gly Ser Pro Val Lys Ala Gly Val
145                 150                 155                 160


Glu Thr Thr Lys Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala Ser
                165                 170                 175


Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser Tyr
            180                 185                 190


Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val Ala
        195                 200                 205


Pro Thr Glu Cys Ser
    210


<210> 6151
<211> 448
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6151
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1               5                   10                  15


Ser Leu Ser Leu Thr Cys Ser Val Thr Gly Phe Ser Ile Asn Thr Gly
```

```
            20                  25                  30

Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
        35                  40                  45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
    50                  55                  60

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

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

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

Leu Val Ala Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
        115                 120                 125

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
    130                 135                 140

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
145                 150                 155                 160

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
                165                 170                 175

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
            180                 185                 190

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
        195                 200                 205

Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys Thr
    210                 215                 220

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
225                 230                 235                 240
```

```
Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
                245                 250                 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
            260                 265                 270

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
        275                 280                 285

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val
    290                 295                 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305                 310                 315                 320

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
                325                 330                 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Cys Thr Leu
            340                 345                 350

Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Ser Cys
        355                 360                 365

Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
    370                 375                 380

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385                 390                 395                 400

Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val Asp Lys Ser
                405                 410                 415

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
            420                 425                 430

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
        435                 440                 445
```

<210> 6152
<211> 448
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6152
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
35 40 45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
50 55 60

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

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

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

Leu Val Ala Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
115 120 125

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
130 135 140

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
145 150 155 160

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln

```
                165                 170                 175

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
            180                 185                 190

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
        195                 200                 205

Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys Thr
    210                 215                 220

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
225                 230                 235                 240

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
                245                 250                 255

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
            260                 265                 270

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
        275                 280                 285

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
    290                 295                 300

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305                 310                 315                 320

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
                325                 330                 335

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Cys Thr Leu
            340                 345                 350

Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Ser Cys
        355                 360                 365

Ala Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
    370                 375                 380
```

```
Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385                 390                 395                 400


Ser Asp Gly Ser Phe Phe Leu Val Ser Lys Leu Thr Val Asp Lys Ser
                405                 410                 415


Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
            420                 425                 430


Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
        435                 440                 445


<210> 6153
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6153
Ser Tyr Thr Leu Thr Gln Pro Pro Ser Leu Ser Val Ala Pro Gly Gln
1               5                   10                  15


Lys Ala Thr Ile Ile Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val
            20                  25                  30


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


Glu Asn Glu Lys Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
    50                  55                  60


Asn Ser Gly Asn Ile Ala Thr Leu Thr Ile Ser Lys Ala Gln Pro Gly
65                  70                  75                  80


Ser Glu Ala Asp Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser Val
                85                  90                  95
```

```
Val Phe Gly Ser Gly Thr His Leu Thr Val Leu Gly Gln Pro Lys Ala
            100                 105                 110


Asn Pro Thr Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln Ala
        115                 120                 125


Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala
    130                 135                 140


Val Thr Val Ala Trp Lys Ala Asp Gly Ser Pro Val Lys Ala Gly Val
145                 150                 155                 160


Glu Thr Thr Lys Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala Ser
                165                 170                 175


Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser Tyr
            180                 185                 190


Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val Ala
        195                 200                 205


Pro Thr Glu Cys Ser
    210


<210> 6154
<211> 454
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6154
Glu Val Arg Leu Gln Gln Ser Gly Pro Asp Leu Ile Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
            20                  25                  30


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

```
Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
    50                  55                  60

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

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
            100                 105                 110

Phe Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Ala Ser Thr Lys
        115                 120                 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
    130                 135                 140

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145                 150                 155                 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
                165                 170                 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
            180                 185                 190

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
        195                 200                 205

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro
    210                 215                 220

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
225                 230                 235                 240

Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
                245                 250                 255
```

```
Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
            260                 265                 270

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
        275                 280                 285

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Ala
    290                 295                 300

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
305                 310                 315                 320

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
                325                 330                 335

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
            340                 345                 350

Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met Thr Lys Asn
        355                 360                 365

Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
    370                 375                 380

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
385                 390                 395                 400

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
                405                 410                 415

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
            420                 425                 430

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
        435                 440                 445

Ser Leu Ser Pro Gly Lys
    450
```

<210> 6155
<211> 454
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6155
Glu Val Arg Leu Gln Gln Ser Gly Pro Asp Leu Ile Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
50 55 60

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

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
100 105 110

Phe Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Ala Ser Thr Lys
115 120 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
130 135 140

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145 150 155 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
165 170 175

```
Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
            180                 185                 190

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
        195                 200                 205

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro
    210                 215                 220

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
225                 230                 235                 240

Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
                245                 250                 255

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
            260                 265                 270

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
        275                 280                 285

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
    290                 295                 300

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
305                 310                 315                 320

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
                325                 330                 335

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
            340                 345                 350

Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met Thr Lys Asn
        355                 360                 365

Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
    370                 375                 380
```

```
Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
385                 390                 395                 400


Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
                405                 410                 415


Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
            420                 425                 430


Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
        435                 440                 445


Ser Leu Ser Pro Gly Lys
    450


<210> 6156
<211> 219
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6156
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Ser Leu Gly
1               5                   10                  15


Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
            20                  25                  30


Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45


Pro Lys Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Val Pro
    50                  55                  60


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


Ser Arg Val Glu Ala Glu Asp Leu Gly Ile Tyr Phe Cys Ser Gln Ser
```

85 90 95

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
115 120 125

Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe
130 135 140

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
145 150 155 160

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
165 170 175

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
180 185 190

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
195 200 205

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 6157
<211> 440
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6157
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly Gly
20 25 30

```
Ser Gly Thr Gly Gly Ala Ala Ala His Ile Thr Gly Thr Arg Gly Arg
        35                  40                  45

Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly
    50                  55                  60

Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe Leu
65                  70                  75                  80

Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys Gly
                85                  90                  95

Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile
            100                 105                 110

Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys
        115                 120                 125

Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn
    130                 135                 140

Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln
145                 150                 155                 160

Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val
                165                 170                 175

Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe Gly
            180                 185                 190

Ala Phe Ala Val Ser Gly Ser Gly Asn Gly Thr Ser Asn Gly Thr Ser
        195                 200                 205

Gly Ser Ser Gly Gly Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
    210                 215                 220

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
225                 230                 235                 240
```

```
Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
                245                 250                 255

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
            260                 265                 270

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
        275                 280                 285

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
    290                 295                 300

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
305                 310                 315                 320

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
                325                 330                 335

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met Thr
            340                 345                 350

Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser
        355                 360                 365

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
    370                 375                 380

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
385                 390                 395                 400

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
                405                 410                 415

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
            420                 425                 430

Ser Leu Ser Leu Ser Pro Gly Lys
        435                 440
```

<210> 6158

<211> 601
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6158
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly Gly
20 25 30

Ser Gly Thr Gly Gly Ala Ala Ala His Ile Thr Gly Thr Arg Gly Arg
35 40 45

Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly
50 55 60

Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe Leu
65 70 75 80

Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys Gly
85 90 95

Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile
100 105 110

Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys
115 120 125

Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn
130 135 140

Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln
145 150 155 160

Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val
165 170 175

```
Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe Gly
            180                 185                 190

Ala Phe Ala Val Ser Gly Ala Ala Ala His Ile Thr Gly Thr Arg Gly
        195                 200                 205

Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu
    210                 215                 220

Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe
225                 230                 235                 240

Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys
                245                 250                 255

Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu
            260                 265                 270

Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr
        275                 280                 285

Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg
    290                 295                 300

Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr
305                 310                 315                 320

Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser
                325                 330                 335

Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe
            340                 345                 350

Gly Ala Phe Ala Val Ser Gly Ser Gly Asn Gly Thr Ser Asn Gly Thr
        355                 360                 365

Ser Gly Ser Ser Gly Gly Asp Lys Thr His Thr Cys Pro Pro Cys Pro
    370                 375                 380
```

```
Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
385                 390                 395                 400

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
                405                 410                 415

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
            420                 425                 430

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
        435                 440                 445

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
    450                 455                 460

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
465                 470                 475                 480

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
                485                 490                 495

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met
            500                 505                 510

Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro
        515                 520                 525

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
    530                 535                 540

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
545                 550                 555                 560

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
                565                 570                 575

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
            580                 585                 590

Lys Ser Leu Ser Leu Ser Pro Gly Lys
```

595 600

<210> 6159
<211> 762
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6159
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly Gly
20 25 30

Ser Gly Thr Gly Gly Ala Ala Ala His Ile Thr Gly Thr Arg Gly Arg
35 40 45

Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly
50 55 60

Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe Leu
65 70 75 80

Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys Gly
85 90 95

Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile
100 105 110

Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys
115 120 125

Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn
130 135 140

Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln
145 150 155 160

```
Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val
                165                 170                 175

Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe Gly
            180                 185                 190

Ala Phe Ala Val Ser Gly Ala Ala Ala His Ile Thr Gly Thr Arg Gly
        195                 200                 205

Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu
    210                 215                 220

Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe
225                 230                 235                 240

Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys
                245                 250                 255

Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu
            260                 265                 270

Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr
        275                 280                 285

Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg
    290                 295                 300

Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr
305                 310                 315                 320

Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser
                325                 330                 335

Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe
            340                 345                 350

Gly Ala Phe Ala Val Ser Gly Ala Ala Ala His Ile Thr Gly Thr Arg
        355                 360                 365
```

```
Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala
    370                 375                 380

Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser
385                 390                 395                 400

Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu
                405                 410                 415

Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu
            420                 425                 430

Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile
        435                 440                 445

Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala
    450                 455                 460

Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile
465                 470                 475                 480

Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val
                485                 490                 495

Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe
            500                 505                 510

Phe Gly Ala Phe Ala Val Ser Gly Ser Gly Asn Gly Thr Ser Asn Gly
        515                 520                 525

Thr Ser Gly Ser Ser Gly Gly Asp Lys Thr His Thr Cys Pro Pro Cys
    530                 535                 540

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
545                 550                 555                 560

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
                565                 570                 575

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
```

580 585 590

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
595 600 605

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
610 615 620

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
625 630 635 640

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
645 650 655

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu
660 665 670

Met Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr
675 680 685

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
690 695 700

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
705 710 715 720

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
725 730 735

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
740 745 750

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
755 760

<210> 6160
<211> 444
<212> PRT
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6160
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Thr Ser Glu Glu Thr Ile Ser Thr Val Gln Glu Lys
20 25 30

Gln Gln Asn Ile Ser Pro Leu Val Arg Glu Arg Gly Pro Gln Arg Val
35 40 45

Ala Ala His Ile Thr Gly Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser
50 55 60

Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp
65 70 75 80

Glu Ser Ser Arg Ser Gly His Ser Phe Leu Ser Asn Leu His Leu Arg
85 90 95

Asn Gly Glu Leu Val Ile His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser
100 105 110

Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn
115 120 125

Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp
130 135 140

Pro Ile Leu Leu Met Lys Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp
145 150 155 160

Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu
165 170 175

Lys Glu Asn Asp Arg Ile Phe Val Ser Val Thr Asn Glu His Leu Ile
180 185 190

```
Asp Met Asp His Glu Ala Ser Phe Phe Gly Ala Phe Leu Val Gly Gly
        195                 200                 205

Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Lys Thr His Thr Cys Pro
    210                 215                 220

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
225                 230                 235                 240

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
                245                 250                 255

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
            260                 265                 270

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
        275                 280                 285

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
    290                 295                 300

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
305                 310                 315                 320

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
                325                 330                 335

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg
            340                 345                 350

Glu Glu Met Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly
        355                 360                 365

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
    370                 375                 380

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
385                 390                 395                 400

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
```

405 410 415

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
420 425 430

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
435 440

<210> 6161
<211> 642
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6161
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Thr Ser Glu Glu Thr Ile Ser Thr Val Gln Glu Lys
20 25 30

Gln Gln Asn Ile Ser Pro Leu Val Arg Glu Arg Gly Pro Gln Arg Val
35 40 45

Ala Ala His Ile Thr Gly Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser
50 55 60

Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp
65 70 75 80

Glu Ser Ser Arg Ser Gly His Ser Phe Leu Ser Asn Leu His Leu Arg
85 90 95

Asn Gly Glu Leu Val Ile His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser
100 105 110

Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn
115 120 125

```
Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp
    130                 135                 140

Pro Ile Leu Leu Met Lys Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp
145                 150                 155                 160

Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu
                165                 170                 175

Lys Glu Asn Asp Arg Ile Phe Val Ser Val Thr Asn Glu His Leu Ile
            180                 185                 190

Asp Met Asp His Glu Ala Ser Phe Phe Gly Ala Phe Leu Val Gly Gly
        195                 200                 205

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Thr Ser Glu Glu Thr Ile
    210                 215                 220

Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro Leu Val Arg Glu
225                 230                 235                 240

Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly Thr Arg Gly Arg
                245                 250                 255

Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly
            260                 265                 270

Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe Leu
        275                 280                 285

Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys Gly
    290                 295                 300

Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile
305                 310                 315                 320

Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys
                325                 330                 335
```

```
Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn
            340                 345                 350

Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln
        355                 360                 365

Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val
    370                 375                 380

Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe Gly
385                 390                 395                 400

Ala Phe Leu Val Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp
                405                 410                 415

Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
            420                 425                 430

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
        435                 440                 445

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
    450                 455                 460

Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
465                 470                 475                 480

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
                485                 490                 495

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
            500                 505                 510

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
        515                 520                 525

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
    530                 535                 540

Thr Leu Pro Pro Cys Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu
```

545 550 555 560

Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
565 570 575

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
580 585 590

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
595 600 605

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
610 615 620

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
625 630 635 640

Gly Lys

<210> 6162
<211> 840
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6162
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Thr Ser Glu Glu Thr Ile Ser Thr Val Gln Glu Lys
20 25 30

Gln Gln Asn Ile Ser Pro Leu Val Arg Glu Arg Gly Pro Gln Arg Val
35 40 45

Ala Ala His Ile Thr Gly Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser
50 55 60

```
Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp
65                  70                  75                  80

Glu Ser Ser Arg Ser Gly His Ser Phe Leu Ser Asn Leu His Leu Arg
                85                  90                  95

Asn Gly Glu Leu Val Ile His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser
            100                 105                 110

Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn
        115                 120                 125

Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp
    130                 135                 140

Pro Ile Leu Leu Met Lys Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp
145                 150                 155                 160

Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu
                165                 170                 175

Lys Glu Asn Asp Arg Ile Phe Val Ser Val Thr Asn Glu His Leu Ile
            180                 185                 190

Asp Met Asp His Glu Ala Ser Phe Phe Gly Ala Phe Leu Val Gly Gly
        195                 200                 205

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Thr Ser Glu Glu Thr Ile
    210                 215                 220

Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro Leu Val Arg Glu
225                 230                 235                 240

Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly Thr Arg Gly Arg
                245                 250                 255

Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly
            260                 265                 270
```

```
Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe Leu
        275                 280                 285

Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys Gly
    290                 295                 300

Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe Gln Glu Glu Ile
305                 310                 315                 320

Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys
                325                 330                 335

Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn
            340                 345                 350

Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln
        355                 360                 365

Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val
    370                 375                 380

Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe Gly
385                 390                 395                 400

Ala Phe Leu Val Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
                405                 410                 415

Thr Ser Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile
            420                 425                 430

Ser Pro Leu Val Arg Glu Arg Gly Pro Gln Arg Val Ala Ala His Ile
        435                 440                 445

Thr Gly Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys
    450                 455                 460

Asn Glu Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg
465                 470                 475                 480

Ser Gly His Ser Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu
```

```
                485                 490                 495

Val Ile His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe
            500                 505                 510

Arg Phe Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met
        515                 520                 525

Val Gln Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu
    530                 535                 540

Met Lys Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly
545                 550                 555                 560

Leu Tyr Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp
                565                 570                 575

Arg Ile Phe Val Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His
            580                 585                 590

Glu Ala Ser Phe Phe Gly Ala Phe Leu Val Gly Gly Gly Gly Gly Ser
        595                 600                 605

Gly Gly Gly Gly Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
    610                 615                 620

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
625                 630                 635                 640

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
                645                 650                 655

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
            660                 665                 670

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
        675                 680                 685

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
    690                 695                 700
```

```
Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
705                 710                 715                 720


Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
                725                 730                 735


Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met Thr
            740                 745                 750


Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser
        755                 760                 765


Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
    770                 775                 780


Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
785                 790                 795                 800


Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
                805                 810                 815


Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
            820                 825                 830


Ser Leu Ser Leu Ser Pro Gly Lys
        835                 840


<210> 6163
<211> 502
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6163
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1               5                   10                  15
```

```
Gly Ser Thr Gly Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
            20                  25                  30

Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
        35                  40                  45

Phe Ser Ser Tyr Val Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly
    50                  55                  60

Leu Glu Trp Val Ala Thr Ile Ser Ser Gly Gly Ser Tyr Thr Tyr Tyr
65                  70                  75                  80

Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                85                  90                  95

Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala
            100                 105                 110

Val Tyr Tyr Cys Ala Arg Arg Gly Asp Ser Met Ile Thr Thr Asp Tyr
        115                 120                 125

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
    130                 135                 140

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp
145                 150                 155                 160

Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
                165                 170                 175

Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Val Gly Thr Ala Val
            180                 185                 190

Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
        195                 200                 205

Trp Ala Ser Thr Arg His Thr Gly Val Pro Ser Arg Phe Ser Gly Ser
    210                 215                 220

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
```

```
225                 230                 235                 240

Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Ser Ser Tyr Arg Thr Phe
                245                 250                 255

Gly Gln Gly Thr Lys Val Glu Ile Lys Gly Gly Gly Gly Ser Gly Gly
            260                 265                 270

Gly Gly Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
        275                 280                 285

Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
    290                 295                 300

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
305                 310                 315                 320

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
                325                 330                 335

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
            340                 345                 350

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
        355                 360                 365

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
    370                 375                 380

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
385                 390                 395                 400

Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met Thr Lys Asn
                405                 410                 415

Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
            420                 425                 430

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
        435                 440                 445
```

```
Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
    450                 455                 460


Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
465                 470                 475                 480


Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
                485                 490                 495


Ser Leu Ser Pro Gly Lys
            500


<210> 6164
<211> 505
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6164
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1               5                   10                  15


Gly Ser Thr Gly Glu Val Gln Leu Val Gln Ser Gly Gly Gly Val Glu
            20                  25                  30


Arg Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr
        35                  40                  45


Phe Asp Asp Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly
    50                  55                  60


Leu Glu Trp Val Ser Gly Ile Asn Trp Gln Gly Gly Ser Thr Gly Tyr
65                  70                  75                  80


Ala Asp Ser Val Lys Gly Arg Val Thr Ile Ser Arg Asp Asn Ala Lys
                85                  90                  95
```

```
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala
            100                 105                 110

Val Tyr Tyr Cys Ala Lys Ile Leu Gly Ala Gly Arg Gly Trp Tyr Phe
        115                 120                 125

Asp Tyr Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly
    130                 135                 140

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
145                 150                 155                 160

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
                165                 170                 175

Thr Val Arg Ile Thr Cys Ser Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
            180                 185                 190

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
        195                 200                 205

Gly Ala Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
    210                 215                 220

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
225                 230                 235                 240

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Ala Asp Ser Ser Gly Asn His
                245                 250                 255

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gly Gly Gly
            260                 265                 270

Ser Gly Gly Gly Gly Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro
        275                 280                 285

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
    290                 295                 300

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
```

305 310 315 320

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
325 330 335

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
340 345 350

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
355 360 365

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
370 375 380

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
385 390 395 400

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met
405 410 415

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

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
435 440 445

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
450 455 460

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
465 470 475 480

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
485 490 495

Lys Ser Leu Ser Leu Ser Pro Gly Lys
500 505

<210> 6165
<211> 508

<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6165
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val
20 25 30

Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser
35 40 45

Ile Ser Ser Gly Asp Tyr Phe Trp Ser Trp Ile Arg Gln Leu Pro Gly
50 55 60

Lys Gly Leu Glu Trp Ile Gly His Ile His Asn Ser Gly Thr Thr Tyr
65 70 75 80

Tyr Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser
85 90 95

Lys Lys Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr
100 105 110

Ala Val Tyr Tyr Cys Ala Arg Asp Arg Gly Gly Asp Tyr Tyr Tyr Gly
115 120 125

Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly
130 135 140

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
145 150 155 160

Gly Ser Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser
165 170 175

```
Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Gly Ile Ser
            180                 185                 190

Arg Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Ser
        195                 200                 205

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

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg
225                 230                 235                 240

Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Phe Gly Ser
                245                 250                 255

Ser Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Gly
            260                 265                 270

Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Lys Thr His Thr Cys Pro
        275                 280                 285

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
    290                 295                 300

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
305                 310                 315                 320

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
                325                 330                 335

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
            340                 345                 350

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
        355                 360                 365

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
    370                 375                 380

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
```

385 390 395 400

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg
405 410 415

Glu Glu Met Thr Lys Asn Gln Val Ser Leu Trp Cys Leu Val Lys Gly
420 425 430

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
435 440 445

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
450 455 460

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
465 470 475 480

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
485 490 495

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
500 505

<210> 6166

<400> 6166
000

<210> 6167
<211> 474
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6167
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys

```
            20                  25                  30

Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr
        35                  40                  45

Phe Thr Gly Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Gly
    50                  55                  60

Leu Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser
65                  70                  75                  80

Asn Glu Arg Phe Arg Gly Arg Val Thr Ile Thr Ser Asp Lys Ser Thr
                85                  90                  95

Thr Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala
            100                 105                 110

Val Tyr Tyr Cys Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr
        115                 120                 125

Arg Phe Phe Asp Phe Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
    130                 135                 140

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
145                 150                 155                 160

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
                165                 170                 175

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
            180                 185                 190

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
        195                 200                 205

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
    210                 215                 220

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
225                 230                 235                 240
```

```
Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
                245                 250                 255

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
            260                 265                 270

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
        275                 280                 285

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
    290                 295                 300

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
305                 310                 315                 320

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
                325                 330                 335

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
            340                 345                 350

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
        355                 360                 365

Gln Pro Arg Glu Pro Gln Val Cys Thr Leu Pro Pro Ser Arg Glu Glu
    370                 375                 380

Met Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr
385                 390                 395                 400

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
                405                 410                 415

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
            420                 425                 430

Leu Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
        435                 440                 445
```

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
    450                 455                 460

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
465                 470

<210> 6168
<211> 474
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6168
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1               5                   10                  15

Gly Ser Thr Gly Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys
            20                  25                  30

Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr
        35                  40                  45

Phe Thr Gly Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Gly
    50                  55                  60

Leu Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser
65                  70                  75                  80

Asn Glu Arg Phe Arg Gly Arg Val Thr Ile Thr Ser Asp Lys Ser Thr
                85                  90                  95

Thr Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala
            100                 105                 110

Val Tyr Tyr Cys Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr
        115                 120                 125

Arg Phe Phe Asp Phe Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

```
    130                 135                 140

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
145                 150                 155                 160

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
                165                 170                 175

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
            180                 185                 190

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
        195                 200                 205

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
    210                 215                 220

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
225                 230                 235                 240

Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
                245                 250                 255

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
            260                 265                 270

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
        275                 280                 285

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
    290                 295                 300

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
305                 310                 315                 320

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
                325                 330                 335

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
            340                 345                 350
```

```
Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
        355                 360                 365


Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
    370                 375                 380


Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
385                 390                 395                 400


Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
                405                 410                 415


Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
            420                 425                 430


Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
        435                 440                 445


Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
    450                 455                 460


Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
465                 470


<210> 6169
<211> 239
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6169
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1               5                   10                  15


Gly Ser Thr Gly Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro
            20                  25                  30
```

```
Val Thr Leu Gly Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg
        35                  40                  45

Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Gln Gln Arg
    50                  55                  60

Pro Gly Gln Ser Pro Arg Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe
65                  70                  75                  80

Pro Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
                85                  90                  95

Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe
            100                 105                 110

Cys Ser Gln Ser Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys
        115                 120                 125

Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
    130                 135                 140

Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
145                 150                 155                 160

Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
                165                 170                 175

Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
            180                 185                 190

Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
        195                 200                 205

Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
    210                 215                 220

Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
225                 230                 235

<210> 6170
```

<211> 499
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6170
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro
20 25 30

Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg
35 40 45

Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys
50 55 60

Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe
65 70 75 80

Pro Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
85 90 95

Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe
100 105 110

Cys Ser Gln Ser Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys
115 120 125

Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
130 135 140

Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
145 150 155 160

Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
165 170 175

```
Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
            180                 185                 190

Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
        195                 200                 205

Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
    210                 215                 220

Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys Gly
225                 230                 235                 240

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Val Met
        275                 280                 285

Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Thr
    290                 295                 300

Ile Ser Ser Gly Gly Ser Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly
305                 310                 315                 320

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

Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            340                 345                 350

Arg Gly Asp Ser Met Ile Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu
        355                 360                 365

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

```
Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser
385                 390                 395                 400


Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys
                405                 410                 415


Lys Ala Ser Gln Asp Val Gly Thr Ala Val Ala Trp Tyr Gln Gln Lys
            420                 425                 430


Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg His
        435                 440                 445


Thr Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
    450                 455                 460


Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr
465                 470                 475                 480


Cys Gln Gln Tyr Ser Ser Tyr Arg Thr Phe Gly Gln Gly Thr Lys Val
                485                 490                 495


Glu Ile Lys



<210> 6171
<211> 505
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6171
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1               5                   10                  15


Gly Ser Thr Gly Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro
            20                  25                  30


Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg
        35                  40                  45
```

```
Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys
    50                  55                  60

Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe
65                  70                  75                  80

Pro Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
                85                  90                  95

Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe
            100                 105                 110

Cys Ser Gln Ser Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys
        115                 120                 125

Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
    130                 135                 140

Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
145                 150                 155                 160

Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
                165                 170                 175

Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
            180                 185                 190

Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
        195                 200                 205

Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
    210                 215                 220

Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys Gly
225                 230                 235                 240

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val
                245                 250                 255
```

```
Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu
            260                 265                 270

Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly Asp Tyr
        275                 280                 285

Phe Trp Ser Trp Ile Arg Gln Leu Pro Gly Lys Gly Leu Glu Trp Ile
    290                 295                 300

Gly His Ile His Asn Ser Gly Thr Thr Tyr Tyr Asn Pro Ser Leu Lys
305                 310                 315                 320

Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Lys Gln Phe Ser Leu
                325                 330                 335

Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
            340                 345                 350

Arg Asp Arg Gly Gly Asp Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln
        355                 360                 365

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

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Leu
385                 390                 395                 400

Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr
                405                 410                 415

Leu Ser Cys Arg Ala Ser Gln Gly Ile Ser Arg Ser Tyr Leu Ala Trp
            420                 425                 430

Tyr Gln Gln Lys Pro Gly Gln Ala Pro Ser Leu Leu Ile Tyr Gly Ala
        435                 440                 445

Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser
    450                 455                 460
```

Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe
465 470 475 480

Ala Val Tyr Tyr Cys Gln Gln Phe Gly Ser Ser Pro Trp Thr Phe Gly
485 490 495

Gln Gly Thr Lys Val Glu Ile Lys Arg
500 505

<210> 6172
<211> 502
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6172
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro
20 25 30

Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg
35 40 45

Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys
50 55 60

Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe
65 70 75 80

Pro Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
85 90 95

Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe
100 105 110

Cys Ser Gln Ser Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys
115 120 125

```
Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
    130                 135                 140

Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
145                 150                 155                 160

Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
                165                 170                 175

Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
            180                 185                 190

Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
        195                 200                 205

Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
    210                 215                 220

Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys Gly
225                 230                 235                 240

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Gln Ser Gly Gly Gly Val Glu Arg Pro Gly Gly Ser Leu
            260                 265                 270

Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr Ala Met
        275                 280                 285

Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Gly
    290                 295                 300

Ile Asn Trp Gln Gly Gly Ser Thr Gly Tyr Ala Asp Ser Val Lys Gly
305                 310                 315                 320

Arg Val Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu Gln
                325                 330                 335
```

```
Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Lys
            340                 345                 350

Ile Leu Gly Ala Gly Arg Gly Trp Tyr Phe Asp Tyr Trp Gly Lys Gly
        355                 360                 365

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

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

Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys
                405                 410                 415

Ser Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys
            420                 425                 430

Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Ala Asn Asn Arg Pro
        435                 440                 445

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala
    450                 455                 460

Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr
465                 470                 475                 480

Cys Asn Ser Ala Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly
                485                 490                 495

Thr Lys Leu Thr Val Leu
            500
```

<210> 6173
<211> 597
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polypeptide"

<400> 6173

```
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1               5                  10                  15

Gly Ser Thr Gly Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys
            20                  25                  30

Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr
        35                  40                  45

Phe Thr Gly Tyr Val Met His Trp Val Arg Gln Ala Pro Gly Gln Gly
    50                  55                  60

Leu Glu Trp Met Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser
65                  70                  75                  80

Asn Glu Arg Phe Arg Gly Arg Val Thr Ile Thr Ser Asp Lys Ser Thr
                85                  90                  95

Thr Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala
            100                 105                 110

Val Tyr Tyr Cys Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr
        115                 120                 125

Arg Phe Phe Asp Phe Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
    130                 135                 140

Gly Ser Ala Ser Ala Pro Thr Leu Phe Pro Leu Val Ser Cys Glu Asn
145                 150                 155                 160

Ser Pro Ser Asp Thr Ser Ser Val Ala Val Gly Cys Leu Ala Gln Asp
                165                 170                 175

Phe Leu Pro Asp Ser Ile Thr Phe Ser Trp Lys Tyr Lys Asn Asn Ser
            180                 185                 190

Asp Ile Ser Ser Thr Arg Gly Phe Pro Ser Val Leu Arg Gly Gly Lys
        195                 200                 205
```

```
Tyr Ala Ala Thr Ser Gln Val Leu Leu Pro Ser Lys Asp Val Met Gln
    210                 215                 220

Gly Thr Asp Glu His Val Val Cys Lys Val Gln His Pro Asn Gly Asn
225                 230                 235                 240

Lys Glu Lys Asn Val Pro Leu Pro Val Ile Ala Glu Leu Pro Pro Lys
                245                 250                 255

Val Ser Val Phe Val Pro Pro Arg Asp Gly Phe Phe Gly Asn Pro Arg
            260                 265                 270

Lys Ser Lys Leu Ile Cys Gln Ala Thr Gly Phe Ser Pro Arg Gln Ile
        275                 280                 285

Gln Val Ser Trp Leu Arg Glu Gly Lys Gln Val Gly Ser Gly Val Thr
    290                 295                 300

Thr Asp Gln Val Gln Ala Glu Ala Lys Glu Ser Gly Pro Thr Thr Tyr
305                 310                 315                 320

Lys Val Thr Ser Thr Leu Thr Ile Lys Glu Ser Asp Trp Leu Gly Gln
                325                 330                 335

Ser Met Phe Thr Cys Arg Val Asp His Arg Gly Leu Thr Phe Gln Gln
            340                 345                 350

Asn Ala Ser Ser Met Cys Val Pro Asp Gln Asp Thr Ala Ile Arg Val
        355                 360                 365

Phe Ala Ile Pro Pro Ser Phe Ala Ser Ile Phe Leu Thr Lys Ser Thr
    370                 375                 380

Lys Leu Thr Cys Leu Val Thr Asp Leu Thr Thr Tyr Asp Ser Val Thr
385                 390                 395                 400

Ile Ser Trp Thr Arg Gln Asn Gly Glu Ala Val Lys Thr His Thr Asn
                405                 410                 415
```

```
Ile Ser Glu Ser His Pro Asn Ala Thr Phe Ser Ala Val Gly Glu Ala
            420                 425                 430

Ser Ile Cys Glu Asp Asp Trp Asn Ser Gly Glu Arg Phe Thr Cys Thr
        435                 440                 445

Val Thr His Thr Asp Leu Pro Ser Pro Leu Lys Gln Thr Ile Ser Arg
    450                 455                 460

Pro Lys Gly Val Ala Leu His Arg Pro Asp Val Tyr Leu Leu Pro Pro
465                 470                 475                 480

Ala Arg Glu Gln Leu Asn Leu Arg Glu Ser Ala Thr Ile Thr Cys Leu
                485                 490                 495

Val Thr Gly Phe Ser Pro Ala Asp Val Phe Val Gln Trp Met Gln Arg
            500                 505                 510

Gly Gln Pro Leu Ser Pro Glu Lys Tyr Val Thr Ser Ala Pro Met Pro
        515                 520                 525

Glu Pro Gln Ala Pro Gly Arg Tyr Phe Ala His Ser Ile Leu Thr Val
    530                 535                 540

Ser Glu Glu Glu Trp Asn Thr Gly Glu Thr Tyr Thr Cys Val Val Ala
545                 550                 555                 560

His Glu Ala Leu Pro Asn Arg Val Thr Glu Arg Thr Val Asp Lys Ser
                565                 570                 575

Thr Gly Lys Pro Thr Leu Tyr Asn Val Ser Leu Val Met Ser Asp Thr
            580                 585                 590

Ala Gly Thr Cys Tyr
        595
```

<210> 6174
<211> 159
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6174
Met Lys Asn His Leu Leu Phe Trp Gly Val Leu Ala Val Phe Ile Lys
1 5 10 15

Ala Val His Val Lys Ala Gln Glu Asp Glu Arg Ile Val Leu Val Asp
20 25 30

Asn Lys Cys Lys Cys Ala Arg Ile Thr Ser Arg Ile Ile Arg Ser Ser
35 40 45

Glu Asp Pro Asn Glu Asp Ile Val Glu Arg Asn Ile Arg Ile Ile Val
50 55 60

Pro Leu Asn Asn Arg Glu Asn Ile Ser Asp Pro Thr Ser Pro Leu Arg
65 70 75 80

Thr Arg Phe Val Tyr His Leu Ser Asp Leu Cys Lys Lys Cys Asp Pro
85 90 95

Thr Glu Val Glu Leu Asp Asn Gln Ile Val Thr Ala Thr Gln Ser Asn
100 105 110

Ile Cys Asp Glu Asp Ser Ala Thr Glu Thr Cys Tyr Thr Tyr Asp Arg
115 120 125

Asn Lys Cys Tyr Thr Ala Val Val Pro Leu Val Tyr Gly Gly Glu Thr
130 135 140

Lys Met Val Glu Thr Ala Leu Thr Pro Asp Ala Cys Tyr Pro Asp
145 150 155

<210> 6175
<211> 243
<212> PRT
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6175
Gln Val His Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Asp Asp Ser Ile Ser Ser Tyr
20 25 30

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

Gly His Ile Ser Tyr Ser Gly Ser Ala Asn Tyr Asn Pro Ser Leu Lys
50 55 60

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

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

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

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Leu Thr Gln Ser Pro Gly
130 135 140

Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala
145 150 155 160

Ser Gln Ser Val Ser Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Ser Arg Ala Thr
180 185 190

Gly Ile Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
195 200 205

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

Gln Gln Tyr Gly Ser Ser Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225 230 235 240

Glu Ile Lys

<210> 6176
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6176
Gln Val His Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Asp Asp Ser Ile Ser Ser Tyr
20 25 30

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

Gly His Ile Ser Tyr Ser Gly Ser Ala Asn Tyr Asn Pro Ser Leu Lys
50 55 60

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

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

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

Val Ser Ser
        115


<210> 6177
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6177
Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
1               5                   10                  15


Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
            20                  25                  30


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


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


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


Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro
                85                  90                  95


Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210> 6178
<211> 250
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polypeptide"

<400> 6178

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

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

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

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe
    50                  55                  60

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

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95

Gly Arg Leu Thr Met Phe Arg Gly Ile Ile Ile Gly Tyr Phe Asp Tyr
            100                 105                 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
        115                 120                 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu
    130                 135                 140

Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly Glu
145                 150                 155                 160

Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Tyr Leu
                165                 170                 175

Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr
            180                 185                 190

Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser
        195                 200                 205
```

```
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro Glu
    210                 215                 220


Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser Asn Trp Pro Trp Thr
225                 230                 235                 240


Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
                245                 250


<210> 6179
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6179
Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Glu Pro Gly Glu
1               5                   10                  15


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


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


Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe
    50                  55                  60


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


Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
                85                  90                  95


Gly Arg Leu Thr Met Phe Arg Gly Ile Ile Ile Gly Tyr Phe Asp Tyr
            100                 105                 110
```

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


<210> 6180
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6180
Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly
1               5                   10                  15


Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Tyr
            20                  25                  30


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


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


Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro
65                  70                  75                  80


Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser Asn Trp Pro Trp
                85                  90                  95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210> 6181
<211> 247
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6181
Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
1               5                  10                  15

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
            20                  25                  30

Val Ile Asn Trp Gly Lys Gln Arg Ser Gly Gln Gly Leu Glu Trp Ile
        35                  40                  45

Gly Glu Ile Tyr Pro Gly Ser Gly Thr Asn Tyr Tyr Asn Glu Lys Phe
    50                  55                  60

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

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

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

Gly Thr Ser Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met
    130                 135                 140

Thr Gln Thr Thr Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr
145                 150                 155                 160

Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr
                165                 170                 175

Gln Gln Lys Pro Asp Gly Thr Val Lys Leu Leu Ile Tyr Tyr Thr Ser
            180                 185                 190

Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
        195                 200                 205

```
Thr Asp Tyr Ser Leu Thr Ile Asn Asn Leu Glu Gln Glu Asp Ile Ala
    210                 215                 220


Thr Tyr Phe Cys Gln Gln Gly Asn Thr Arg Pro Trp Thr Phe Gly Gly
225                 230                 235                 240


Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 6182
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6182

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


Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
            20                  25                  30


Val Ile Asn Trp Gly Lys Gln Arg Ser Gly Gln Gly Leu Glu Trp Ile
        35                  40                  45


Gly Glu Ile Tyr Pro Gly Ser Gly Thr Asn Tyr Tyr Asn Glu Lys Phe
    50                  55                  60


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


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


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


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

<210> 6183
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6183
Asp Ile Gln Met Thr Gln Thr Thr Ser Ser Leu Ser Ala Ser Leu Gly
1 5 10 15

Asp Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Asn Asn Leu Glu Gln
65 70 75 80

Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Arg Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 6184
<211> 239
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6184
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Arg Pro Gly Gly

```
1               5                   10                  15

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

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

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

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

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

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

Val Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
        115                 120                 125

Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
    130                 135                 140

Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser
145                 150                 155                 160

Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu
                165                 170                 175

Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe
            180                 185                 190

Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala
        195                 200                 205

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser
    210                 215                 220
```

Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
225 230 235

<210> 6185
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6185
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Arg Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Val Thr Val Ser Arg
115

<210> 6186
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6186
Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
1 5 10 15

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

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

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His
85 90 95

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

<210> 6187
<211> 245
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6187
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

```
Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
        35                  40                  45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60

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

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

Cys Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr
            100                 105                 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
        115                 120                 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Tyr Thr Leu Thr Gln
    130                 135                 140

Pro Pro Leu Leu Ser Val Ala Leu Gly His Lys Ala Thr Ile Thr Cys
145                 150                 155                 160

Ser Gly Glu Arg Leu Ser Asp Lys Tyr Val His Trp Tyr Gln Gln Lys
                165                 170                 175

Pro Gly Arg Ala Pro Val Met Val Ile Tyr Glu Asn Asp Lys Arg Pro
            180                 185                 190

Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser Asn Ser Gly Asn Ile Ala
        195                 200                 205

Thr Leu Thr Ile Ser Lys Ala Gln Ala Gly Tyr Glu Ala Asp Tyr Tyr
    210                 215                 220

Cys Gln Ser Trp Asp Ser Thr Asn Ser Ala Val Phe Gly Ser Gly Thr
225                 230                 235                 240
```

Gln Leu Thr Val Leu
245

<210> 6188
<211> 245
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 6188
Ser Tyr Thr Leu Thr Gln Pro Pro Leu Leu Ser Val Ala Leu Gly His
1 5 10 15

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

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

Glu Asn Asp Lys Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Ile Ala Thr Leu Thr Ile Ser Lys Ala Gln Ala Gly
65 70 75 80

Tyr Glu Ala Asp Tyr Tyr Cys Gln Ser Trp Asp Ser Thr Asn Ser Ala
85 90 95

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

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
115 120 125

Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Ser
130 135 140

Leu Ser Leu Thr Cys Ser Val Thr Gly Phe Ser Ile Asn Thr Gly Gly
145 150 155 160

```
Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu Trp
                165                 170                 175


Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser Leu
            180                 185                 190


Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
        195                 200                 205


Leu Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
    210                 215                 220


Ala Arg Gly Asn Trp His Tyr Phe Asp Phe Trp Gly Gln Gly Thr Met
225                 230                 235                 240


Val Thr Val Ser Ser
                245


<210> 6189
<211> 245
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6189
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1               5                   10                  15


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


Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
        35                  40                  45


Trp Met Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser
    50                  55                  60
```

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

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

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

Leu Val Ala Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
        115                 120                 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Tyr Thr Leu Thr Gln
    130                 135                 140

Pro Pro Ser Leu Ser Val Ala Pro Gly Gln Lys Ala Thr Ile Ile Cys
145                 150                 155                 160

Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val His Trp Tyr Gln Gln Lys
                165                 170                 175

Pro Gly Arg Ala Pro Val Met Val Ile Tyr Glu Asn Glu Lys Arg Pro
            180                 185                 190

Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser Asn Ser Gly Asn Ile Ala
        195                 200                 205

Thr Leu Thr Ile Ser Lys Ala Gln Pro Gly Ser Glu Ala Asp Tyr Tyr
    210                 215                 220

Cys His Tyr Trp Glu Ser Ile Asn Ser Val Val Phe Gly Ser Gly Thr
225                 230                 235                 240

His Leu Thr Val Leu
                245
```

<210> 6190
<211> 245
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 6190
Ser Tyr Thr Leu Thr Gln Pro Pro Ser Leu Ser Val Ala Pro Gly Gln
1 5 10 15

Lys Ala Thr Ile Ile Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val
20 25 30

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

Glu Asn Glu Lys Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Ile Ala Thr Leu Thr Ile Ser Lys Ala Gln Pro Gly
65 70 75 80

Ser Glu Ala Asp Tyr Tyr Cys His Tyr Trp Glu Ser Ile Asn Ser Val
85 90 95

Val Phe Gly Ser Gly Thr His Leu Thr Val Leu Gly Gly Gly Gly Ser
100 105 110

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
115 120 125

Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Ser
130 135 140

Leu Ser Leu Thr Cys Ser Val Thr Gly Phe Ser Ile Asn Thr Gly Gly
145 150 155 160

Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu Trp
165 170 175

Met Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Arg Tyr Asn Pro Ser Leu
180 185 190

```
Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
        195                 200                 205


Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Thr Tyr Tyr Cys
    210                 215                 220


Thr Arg Gly Asn Trp His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu
225                 230                 235                 240


Val Ala Val Ser Ser
                245


<210> 6191
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 6191
Glu Val Arg Leu Gln Gln Ser Gly Pro Asp Leu Ile Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
            20                  25                  30


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


Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
    50                  55                  60


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


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


Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
```

```
            100                 105                 110

Phe Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Ala Ser Thr Lys
        115                 120                 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
    130                 135                 140

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145                 150                 155                 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
                165                 170                 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
            180                 185                 190

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
        195                 200                 205

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro
    210                 215                 220

Lys Ser Cys
225


<210> 6192

<400> 6192
000


<210> 6193

<400> 6193
000


<210> 6194

<400> 6194
000
```

<210> 6195

<400> 6195
000


<210> 6196

<400> 6196
000


<210> 6197

<400> 6197
000


<210> 6198

<400> 6198
000


<210> 6199

<400> 6199
000


<210> 6200

<400> 6200
000


<210> 6201

<400> 6201
000


<210> 6202

<400> 6202
000


<210> 6203

<400> 6203
000

<210> 6204

<400> 6204
000


<210> 6205

<400> 6205
000


<210> 6206

<400> 6206
000


<210> 6207

<400> 6207
000


<210> 6208

<400> 6208
000


<210> 6209

<400> 6209
000


<210> 6210

<400> 6210
000


<210> 6211

<400> 6211
000


<210> 6212

<400> 6212
000

<210> 6213

<400> 6213
000

<210> 6214

<400> 6214
000

<210> 6215

<400> 6215
000

<210> 6216

<400> 6216
000

<210> 6217

<400> 6217
000

<210> 6218

<400> 6218
000

<210> 6219

<400> 6219
000

<210> 6220

<400> 6220
000

<210> 6221

<400> 6221

000

<210> 6222

<400> 6222
000

<210> 6223

<400> 6223
000

<210> 6224

<400> 6224
000

<210> 6225

<400> 6225
000

<210> 6226

<400> 6226
000

<210> 6227

<400> 6227
000

<210> 6228

<400> 6228
000

<210> 6229

<400> 6229
000

<210> 6230

<400> 6230
000

<210> 6231

<400> 6231
000

<210> 6232

<400> 6232
000

<210> 6233

<400> 6233
000

<210> 6234

<400> 6234
000

<210> 6235

<400> 6235
000

<210> 6236

<400> 6236
000

<210> 6237

<400> 6237
000

<210> 6238

<400> 6238
000

<210> 6239

<400> 6239
000

<210> 6240

<400> 6240
000

<210> 6241

<400> 6241
000

<210> 6242

<400> 6242
000

<210> 6243

<400> 6243
000

<210> 6244

<400> 6244
000

<210> 6245

<400> 6245
000

<210> 6246

<400> 6246
000

<210> 6247

<400> 6247
000

<210> 6248

<400> 6248
000


<210> 6249

<400> 6249
000


<210> 6250

<400> 6250
000


<210> 6251

<400> 6251
000


<210> 6252

<400> 6252
000


<210> 6253

<400> 6253
000


<210> 6254

<400> 6254
000


<210> 6255

<400> 6255
000


<210> 6256

<400> 6256
000

<210> 6257

<400> 6257
000


<210> 6258

<400> 6258
000


<210> 6259

<400> 6259
000


<210> 6260

<400> 6260
000


<210> 6261

<400> 6261
000


<210> 6262

<400> 6262
000


<210> 6263

<400> 6263
000


<210> 6264

<400> 6264
000


<210> 6265

<400> 6265
000

<210> 6266

<400> 6266
000


<210> 6267

<400> 6267
000


<210> 6268

<400> 6268
000


<210> 6269

<400> 6269
000


<210> 6270

<400> 6270
000


<210> 6271

<400> 6271
000


<210> 6272

<400> 6272
000


<210> 6273

<400> 6273
000


<210> 6274

<400> 6274

000

<210> 6275

<400> 6275
000

<210> 6276

<400> 6276
000

<210> 6277

<400> 6277
000

<210> 6278

<400> 6278
000

<210> 6279

<400> 6279
000

<210> 6280

<400> 6280
000

<210> 6281

<400> 6281
000

<210> 6282

<400> 6282
000

<210> 6283

<400> 6283
000

<210> 6284

<400> 6284
000

<210> 6285

<400> 6285
000

<210> 6286

<400> 6286
000

<210> 6287

<400> 6287
000

<210> 6288

<400> 6288
000

<210> 6289

<400> 6289
000

<210> 6290

<400> 6290
000

<210> 6291

<400> 6291
000

<210> 6292

<400> 6292
000

<210> 6293

<400> 6293
000

<210> 6294

<400> 6294
000

<210> 6295

<400> 6295
000

<210> 6296

<400> 6296
000

<210> 6297

<400> 6297
000

<210> 6298

<400> 6298
000

<210> 6299

<400> 6299
000

<210> 6300

<400> 6300
000

<210> 6301

<400> 6301
000


<210> 6302

<400> 6302
000


<210> 6303

<400> 6303
000


<210> 6304

<400> 6304
000


<210> 6305

<400> 6305
000


<210> 6306

<400> 6306
000


<210> 6307

<400> 6307
000


<210> 6308

<400> 6308
000


<210> 6309

<400> 6309
000

<210> 6310

<400> 6310
000


<210> 6311

<400> 6311
000


<210> 6312

<400> 6312
000


<210> 6313

<400> 6313
000


<210> 6314

<400> 6314
000


<210> 6315

<400> 6315
000


<210> 6316

<400> 6316
000


<210> 6317

<400> 6317
000


<210> 6318

<400> 6318
000

<210> 6319

<400> 6319
000


<210> 6320

<400> 6320
000


<210> 6321

<400> 6321
000


<210> 6322

<400> 6322
000


<210> 6323

<400> 6323
000


<210> 6324

<400> 6324
000


<210> 6325

<400> 6325
000


<210> 6326

<400> 6326
000


<210> 6327

<400> 6327

000

<210> 6328

<400> 6328
000

<210> 6329

<400> 6329
000

<210> 6330

<400> 6330
000

<210> 6331

<400> 6331
000

<210> 6332

<400> 6332
000

<210> 6333

<400> 6333
000

<210> 6334

<400> 6334
000

<210> 6335

<400> 6335
000

<210> 6336

<400> 6336
000

<210> 6337

<400> 6337
000

<210> 6338

<400> 6338
000

<210> 6339

<400> 6339
000

<210> 6340

<400> 6340
000

<210> 6341

<400> 6341
000

<210> 6342

<400> 6342
000

<210> 6343

<400> 6343
000

<210> 6344

<400> 6344
000

<210> 6345

<400> 6345
000

<210> 6346

<400> 6346
000

<210> 6347

<400> 6347
000

<210> 6348

<400> 6348
000

<210> 6349

<400> 6349
000

<210> 6350

<400> 6350
000

<210> 6351

<400> 6351
000

<210> 6352

<400> 6352
000

<210> 6353

<400> 6353
000

<210> 6354

<400> 6354
000


<210> 6355

<400> 6355
000


<210> 6356

<400> 6356
000


<210> 6357

<400> 6357
000


<210> 6358

<400> 6358
000


<210> 6359

<400> 6359
000


<210> 6360

<400> 6360
000


<210> 6361

<400> 6361
000


<210> 6362

<400> 6362
000

<210> 6363

<400> 6363
000


<210> 6364

<400> 6364
000


<210> 6365

<400> 6365
000


<210> 6366

<400> 6366
000


<210> 6367

<400> 6367
000


<210> 6368

<400> 6368
000


<210> 6369

<400> 6369
000


<210> 6370

<400> 6370
000


<210> 6371

<400> 6371
000

<210> 6372

<400> 6372
000


<210> 6373

<400> 6373
000


<210> 6374

<400> 6374
000


<210> 6375

<400> 6375
000


<210> 6376

<400> 6376
000


<210> 6377

<400> 6377
000


<210> 6378

<400> 6378
000


<210> 6379

<400> 6379
000


<210> 6380

<400> 6380

000

<210> 6381

<400> 6381
000

<210> 6382

<400> 6382
000

<210> 6383

<400> 6383
000

<210> 6384

<400> 6384
000

<210> 6385

<400> 6385
000

<210> 6386

<400> 6386
000

<210> 6387

<400> 6387
000

<210> 6388

<400> 6388
000

<210> 6389

<400> 6389
000

<210> 6390

<400> 6390
000

<210> 6391

<400> 6391
000

<210> 6392

<400> 6392
000

<210> 6393

<400> 6393
000

<210> 6394

<400> 6394
000

<210> 6395

<400> 6395
000

<210> 6396

<400> 6396
000

<210> 6397

<400> 6397
000

<210> 6398

<400> 6398
000

<210> 6399

<400> 6399
000

<210> 6400

<400> 6400
000

<210> 6401

<400> 6401
000

<210> 6402

<400> 6402
000

<210> 6403

<400> 6403
000

<210> 6404

<400> 6404
000

<210> 6405

<400> 6405
000

<210> 6406

<400> 6406
000

<210> 6407

<400> 6407
000


<210> 6408

<400> 6408
000


<210> 6409

<400> 6409
000


<210> 6410

<400> 6410
000


<210> 6411

<400> 6411
000


<210> 6412

<400> 6412
000


<210> 6413

<400> 6413
000


<210> 6414

<400> 6414
000


<210> 6415

<400> 6415
000

<210> 6416

<400> 6416
000


<210> 6417

<400> 6417
000


<210> 6418

<400> 6418
000


<210> 6419

<400> 6419
000


<210> 6420

<400> 6420
000


<210> 6421

<400> 6421
000


<210> 6422

<400> 6422
000


<210> 6423

<400> 6423
000


<210> 6424

<400> 6424
000

<210> 6425

<400> 6425
000


<210> 6426

<400> 6426
000


<210> 6427

<400> 6427
000


<210> 6428

<400> 6428
000


<210> 6429

<400> 6429
000


<210> 6430

<400> 6430
000


<210> 6431

<400> 6431
000


<210> 6432

<400> 6432
000


<210> 6433

<400> 6433

000

<210> 6434

<400> 6434
000

<210> 6435

<400> 6435
000

<210> 6436

<400> 6436
000

<210> 6437

<400> 6437
000

<210> 6438

<400> 6438
000

<210> 6439

<400> 6439
000

<210> 6440

<400> 6440
000

<210> 6441

<400> 6441
000

<210> 6442

<400> 6442
000

<210> 6443

<400> 6443
000

<210> 6444

<400> 6444
000

<210> 6445

<400> 6445
000

<210> 6446

<400> 6446
000

<210> 6447

<400> 6447
000

<210> 6448

<400> 6448
000

<210> 6449

<400> 6449
000

<210> 6450

<400> 6450
000

<210> 6451

<400> 6451
000

<210> 6452

<400> 6452
000

<210> 6453

<400> 6453
000

<210> 6454

<400> 6454
000

<210> 6455

<400> 6455
000

<210> 6456

<400> 6456
000

<210> 6457

<400> 6457
000

<210> 6458

<400> 6458
000

<210> 6459

<400> 6459
000

<210> 6460

<400> 6460
000


<210> 6461

<400> 6461
000


<210> 6462

<400> 6462
000


<210> 6463

<400> 6463
000


<210> 6464

<400> 6464
000


<210> 6465

<400> 6465
000


<210> 6466

<400> 6466
000


<210> 6467

<400> 6467
000


<210> 6468

<400> 6468
000

<210> 6469

<400> 6469
000


<210> 6470

<400> 6470
000


<210> 6471

<400> 6471
000


<210> 6472

<400> 6472
000


<210> 6473

<400> 6473
000


<210> 6474

<400> 6474
000


<210> 6475

<400> 6475
000


<210> 6476

<400> 6476
000


<210> 6477

<400> 6477
000

<210> 6478

<400> 6478
000

<210> 6479

<400> 6479
000

<210> 6480

<400> 6480
000

<210> 6481

<400> 6481
000

<210> 6482

<400> 6482
000

<210> 6483

<400> 6483
000

<210> 6484

<400> 6484
000

<210> 6485

<400> 6485
000

<210> 6486

<400> 6486

000

<210> 6487

<400> 6487
000

<210> 6488

<400> 6488
000

<210> 6489

<400> 6489
000

<210> 6490

<400> 6490
000

<210> 6491

<400> 6491
000

<210> 6492

<400> 6492
000

<210> 6493

<400> 6493
000

<210> 6494

<400> 6494
000

<210> 6495

<400> 6495
000

<210> 6496

<400> 6496
000

<210> 6497

<400> 6497
000

<210> 6498

<400> 6498
000

<210> 6499

<400> 6499
000

<210> 6500

<400> 6500
000

<210> 6501

<400> 6501
000

<210> 6502

<400> 6502
000

<210> 6503

<400> 6503
000

<210> 6504

<400> 6504
000

<210> 6505

<400> 6505
000

<210> 6506

<400> 6506
000

<210> 6507

<400> 6507
000

<210> 6508

<400> 6508
000

<210> 6509

<400> 6509
000

<210> 6510

<400> 6510
000

<210> 6511

<400> 6511
000

<210> 6512

<400> 6512
000

<210> 6513

<400> 6513
000


<210> 6514

<400> 6514
000


<210> 6515

<400> 6515
000


<210> 6516

<400> 6516
000


<210> 6517

<400> 6517
000


<210> 6518

<400> 6518
000


<210> 6519

<400> 6519
000


<210> 6520

<400> 6520
000


<210> 6521

<400> 6521
000

<210> 6522

<400> 6522
000

<210> 6523

<400> 6523
000

<210> 6524

<400> 6524
000

<210> 6525

<400> 6525
000

<210> 6526

<400> 6526
000

<210> 6527

<400> 6527
000

<210> 6528

<400> 6528
000

<210> 6529

<400> 6529
000

<210> 6530

<400> 6530
000

<210> 6531

<400> 6531
000


<210> 6532

<400> 6532
000


<210> 6533

<400> 6533
000


<210> 6534

<400> 6534
000


<210> 6535

<400> 6535
000


<210> 6536

<400> 6536
000


<210> 6537

<400> 6537
000


<210> 6538

<400> 6538
000


<210> 6539

<400> 6539

000

<210> 6540

<400> 6540
000

<210> 6541

<400> 6541
000

<210> 6542

<400> 6542
000

<210> 6543

<400> 6543
000

<210> 6544

<400> 6544
000

<210> 6545

<400> 6545
000

<210> 6546

<400> 6546
000

<210> 6547

<400> 6547
000

<210> 6548

<400> 6548
000

<210> 6549

<400> 6549
000

<210> 6550

<400> 6550
000

<210> 6551

<400> 6551
000

<210> 6552

<400> 6552
000

<210> 6553

<400> 6553
000

<210> 6554

<400> 6554
000

<210> 6555

<400> 6555
000

<210> 6556

<400> 6556
000

<210> 6557

<400> 6557
000

<210> 6558

<400> 6558
000

<210> 6559

<400> 6559
000

<210> 6560

<400> 6560
000

<210> 6561

<400> 6561
000

<210> 6562

<400> 6562
000

<210> 6563

<400> 6563
000

<210> 6564

<400> 6564
000

<210> 6565

<400> 6565
000

<210> 6566

<400> 6566
000


<210> 6567

<400> 6567
000


<210> 6568

<400> 6568
000


<210> 6569

<400> 6569
000


<210> 6570

<400> 6570
000


<210> 6571

<400> 6571
000


<210> 6572

<400> 6572
000


<210> 6573

<400> 6573
000


<210> 6574

<400> 6574
000

<210> 6575

<400> 6575
000


<210> 6576

<400> 6576
000


<210> 6577

<400> 6577
000


<210> 6578

<400> 6578
000


<210> 6579

<400> 6579
000


<210> 6580

<400> 6580
000


<210> 6581

<400> 6581
000


<210> 6582

<400> 6582
000


<210> 6583

<400> 6583
000

<210> 6584

<400> 6584
000

<210> 6585

<400> 6585
000

<210> 6586

<400> 6586
000

<210> 6587

<400> 6587
000

<210> 6588

<400> 6588
000

<210> 6589

<400> 6589
000

<210> 6590

<400> 6590
000

<210> 6591

<400> 6591
000

<210> 6592

<400> 6592

000

<210> 6593

<400> 6593
000

<210> 6594

<400> 6594
000

<210> 6595

<400> 6595
000

<210> 6596

<400> 6596
000

<210> 6597

<400> 6597
000

<210> 6598

<400> 6598
000

<210> 6599

<400> 6599
000

<210> 6600

<400> 6600
000

<210> 6601

<400> 6601
000

<210> 6602

<400> 6602
000

<210> 6603

<400> 6603
000

<210> 6604

<400> 6604
000

<210> 6605

<400> 6605
000

<210> 6606

<400> 6606
000

<210> 6607

<400> 6607
000

<210> 6608

<400> 6608
000

<210> 6609

<400> 6609
000

<210> 6610

<400> 6610
000

<210> 6611

<400> 6611
000

<210> 6612

<400> 6612
000

<210> 6613

<400> 6613
000

<210> 6614

<400> 6614
000

<210> 6615

<400> 6615
000

<210> 6616

<400> 6616
000

<210> 6617

<400> 6617
000

<210> 6618

<400> 6618
000

<210> 6619

<400> 6619
000


<210> 6620

<400> 6620
000


<210> 6621

<400> 6621
000


<210> 6622

<400> 6622
000


<210> 6623

<400> 6623
000


<210> 6624

<400> 6624
000


<210> 6625

<400> 6625
000


<210> 6626

<400> 6626
000


<210> 6627

<400> 6627
000

<210> 6628

<400> 6628
000


<210> 6629

<400> 6629
000


<210> 6630

<400> 6630
000


<210> 6631

<400> 6631
000


<210> 6632

<400> 6632
000


<210> 6633

<400> 6633
000


<210> 6634

<400> 6634
000


<210> 6635

<400> 6635
000


<210> 6636

<400> 6636
000

<210> 6637

<400> 6637
000

<210> 6638

<400> 6638
000

<210> 6639

<400> 6639
000

<210> 6640

<400> 6640
000

<210> 6641

<400> 6641
000

<210> 6642

<400> 6642
000

<210> 6643

<400> 6643
000

<210> 6644

<400> 6644
000

<210> 6645

<400> 6645

000

<210> 6646

<400> 6646
000

<210> 6647

<400> 6647
000

<210> 6648

<400> 6648
000

<210> 6649

<400> 6649
000

<210> 6650

<400> 6650
000

<210> 6651

<400> 6651
000

<210> 6652

<400> 6652
000

<210> 6653

<400> 6653
000

<210> 6654

<400> 6654
000

<210> 6655

<400> 6655
000

<210> 6656

<400> 6656
000

<210> 6657

<400> 6657
000

<210> 6658

<400> 6658
000

<210> 6659

<400> 6659
000

<210> 6660

<400> 6660
000

<210> 6661

<400> 6661
000

<210> 6662

<400> 6662
000

<210> 6663

<400> 6663
000

<210> 6664

<400> 6664
000

<210> 6665

<400> 6665
000

<210> 6666

<400> 6666
000

<210> 6667

<400> 6667
000

<210> 6668

<400> 6668
000

<210> 6669

<400> 6669
000

<210> 6670

<400> 6670
000

<210> 6671

<400> 6671
000

<210> 6672

<400> 6672
000


<210> 6673

<400> 6673
000


<210> 6674

<400> 6674
000


<210> 6675

<400> 6675
000


<210> 6676

<400> 6676
000


<210> 6677

<400> 6677
000


<210> 6678

<400> 6678
000


<210> 6679

<400> 6679
000


<210> 6680

<400> 6680
000

<210> 6681

<400> 6681
000

<210> 6682

<400> 6682
000

<210> 6683

<400> 6683
000

<210> 6684

<400> 6684
000

<210> 6685

<400> 6685
000

<210> 6686

<400> 6686
000

<210> 6687

<400> 6687
000

<210> 6688

<400> 6688
000

<210> 6689

<400> 6689
000

<210> 6690

<400> 6690
000


<210> 6691

<400> 6691
000


<210> 6692

<400> 6692
000


<210> 6693

<400> 6693
000


<210> 6694

<400> 6694
000


<210> 6695

<400> 6695
000


<210> 6696

<400> 6696
000


<210> 6697

<400> 6697
000


<210> 6698

<400> 6698

000

<210> 6699

<400> 6699
000

<210> 6700

<400> 6700
000

<210> 6701

<400> 6701
000

<210> 6702

<400> 6702
000

<210> 6703

<400> 6703
000

<210> 6704

<400> 6704
000

<210> 6705

<400> 6705
000

<210> 6706

<400> 6706
000

<210> 6707

<400> 6707
000

<210> 6708

<400> 6708
000

<210> 6709

<400> 6709
000

<210> 6710

<400> 6710
000

<210> 6711

<400> 6711
000

<210> 6712

<400> 6712
000

<210> 6713

<400> 6713
000

<210> 6714

<400> 6714
000

<210> 6715

<400> 6715
000

<210> 6716

<400> 6716
000

<210> 6717

<400> 6717
000

<210> 6718

<400> 6718
000

<210> 6719

<400> 6719
000

<210> 6720

<400> 6720
000

<210> 6721

<400> 6721
000

<210> 6722

<400> 6722
000

<210> 6723

<400> 6723
000

<210> 6724

<400> 6724
000

<210> 6725

<400> 6725
000


<210> 6726

<400> 6726
000


<210> 6727

<400> 6727
000


<210> 6728

<400> 6728
000


<210> 6729

<400> 6729
000


<210> 6730

<400> 6730
000


<210> 6731

<400> 6731
000


<210> 6732

<400> 6732
000


<210> 6733

<400> 6733
000

<210> 6734

<400> 6734
000

<210> 6735

<400> 6735
000

<210> 6736

<400> 6736
000

<210> 6737

<400> 6737
000

<210> 6738

<400> 6738
000

<210> 6739

<400> 6739
000

<210> 6740

<400> 6740
000

<210> 6741

<400> 6741
000

<210> 6742

<400> 6742
000

<210> 6743

<400> 6743
000


<210> 6744

<400> 6744
000


<210> 6745

<400> 6745
000


<210> 6746

<400> 6746
000


<210> 6747

<400> 6747
000


<210> 6748

<400> 6748
000


<210> 6749

<400> 6749
000


<210> 6750

<400> 6750
000


<210> 6751

<400> 6751

000

<210> 6752

<400> 6752
000

<210> 6753

<400> 6753
000

<210> 6754

<400> 6754
000

<210> 6755

<400> 6755
000

<210> 6756

<400> 6756
000

<210> 6757

<400> 6757
000

<210> 6758

<400> 6758
000

<210> 6759

<400> 6759
000

<210> 6760

<400> 6760
000

<210> 6761

<400> 6761
000

<210> 6762

<400> 6762
000

<210> 6763

<400> 6763
000

<210> 6764

<400> 6764
000

<210> 6765

<400> 6765
000

<210> 6766

<400> 6766
000

<210> 6767

<400> 6767
000

<210> 6768

<400> 6768
000

<210> 6769

<400> 6769
000

<210> 6770

<400> 6770
000

<210> 6771

<400> 6771
000

<210> 6772

<400> 6772
000

<210> 6773

<400> 6773
000

<210> 6774

<400> 6774
000

<210> 6775

<400> 6775
000

<210> 6776

<400> 6776
000

<210> 6777

<400> 6777
000

<210> 6778

<400> 6778
000


<210> 6779

<400> 6779
000


<210> 6780

<400> 6780
000


<210> 6781

<400> 6781
000


<210> 6782

<400> 6782
000


<210> 6783

<400> 6783
000


<210> 6784

<400> 6784
000


<210> 6785

<400> 6785
000


<210> 6786

<400> 6786
000

<210> 6787

<400> 6787
000


<210> 6788

<400> 6788
000


<210> 6789

<400> 6789
000


<210> 6790

<400> 6790
000


<210> 6791

<400> 6791
000


<210> 6792

<400> 6792
000


<210> 6793

<400> 6793
000


<210> 6794

<400> 6794
000


<210> 6795

<400> 6795
000

<210> 6796

<400> 6796
000

<210> 6797

<400> 6797
000

<210> 6798

<400> 6798
000

<210> 6799

<400> 6799
000

<210> 6800

<400> 6800
000

<210> 6801

<400> 6801
000

<210> 6802

<400> 6802
000

<210> 6803

<400> 6803
000

<210> 6804

<400> 6804

000

<210> 6805

<400> 6805
000

<210> 6806

<400> 6806
000

<210> 6807

<400> 6807
000

<210> 6808

<400> 6808
000

<210> 6809

<400> 6809
000

<210> 6810

<400> 6810
000

<210> 6811

<400> 6811
000

<210> 6812

<400> 6812
000

<210> 6813

<400> 6813
000

<210> 6814

<400> 6814
000

<210> 6815

<400> 6815
000

<210> 6816

<400> 6816
000

<210> 6817

<400> 6817
000

<210> 6818

<400> 6818
000

<210> 6819

<400> 6819
000

<210> 6820

<400> 6820
000

<210> 6821

<400> 6821
000

<210> 6822

<400> 6822
000

<210> 6823

<400> 6823
000

<210> 6824

<400> 6824
000

<210> 6825

<400> 6825
000

<210> 6826

<400> 6826
000

<210> 6827

<400> 6827
000

<210> 6828

<400> 6828
000

<210> 6829

<400> 6829
000

<210> 6830

<400> 6830
000

<210> 6831

<400> 6831
000


<210> 6832

<400> 6832
000


<210> 6833

<400> 6833
000


<210> 6834

<400> 6834
000


<210> 6835

<400> 6835
000


<210> 6836

<400> 6836
000


<210> 6837

<400> 6837
000


<210> 6838

<400> 6838
000


<210> 6839

<400> 6839
000

<210> 6840

<400> 6840
000


<210> 6841

<400> 6841
000


<210> 6842

<400> 6842
000


<210> 6843

<400> 6843
000


<210> 6844

<400> 6844
000


<210> 6845

<400> 6845
000


<210> 6846

<400> 6846
000


<210> 6847

<400> 6847
000


<210> 6848

<400> 6848
000

<210> 6849

<400> 6849
000


<210> 6850

<400> 6850
000


<210> 6851

<400> 6851
000


<210> 6852

<400> 6852
000


<210> 6853

<400> 6853
000


<210> 6854

<400> 6854
000


<210> 6855

<400> 6855
000


<210> 6856

<400> 6856
000


<210> 6857

<400> 6857

000

<210> 6858

<400> 6858
000

<210> 6859

<400> 6859
000

<210> 6860

<400> 6860
000

<210> 6861

<400> 6861
000

<210> 6862

<400> 6862
000

<210> 6863

<400> 6863
000

<210> 6864

<400> 6864
000

<210> 6865

<400> 6865
000

<210> 6866

<400> 6866
000

<210> 6867

<400> 6867
000

<210> 6868

<400> 6868
000

<210> 6869

<400> 6869
000

<210> 6870

<400> 6870
000

<210> 6871

<400> 6871
000

<210> 6872

<400> 6872
000

<210> 6873

<400> 6873
000

<210> 6874

<400> 6874
000

<210> 6875

<400> 6875
000

<210> 6876

<400> 6876
000

<210> 6877

<400> 6877
000

<210> 6878

<400> 6878
000

<210> 6879

<400> 6879
000

<210> 6880

<400> 6880
000

<210> 6881

<400> 6881
000

<210> 6882

<400> 6882
000

<210> 6883

<400> 6883
000

<210> 6884

<400> 6884
000


<210> 6885

<400> 6885
000


<210> 6886

<400> 6886
000


<210> 6887

<400> 6887
000


<210> 6888

<400> 6888
000


<210> 6889

<400> 6889
000


<210> 6890

<400> 6890
000


<210> 6891

<400> 6891
000


<210> 6892

<400> 6892
000

<210> 6893

<400> 6893
000


<210> 6894

<400> 6894
000


<210> 6895

<400> 6895
000


<210> 6896

<400> 6896
000


<210> 6897

<400> 6897
000


<210> 6898

<400> 6898
000


<210> 6899

<400> 6899
000


<210> 6900

<400> 6900
000


<210> 6901

<400> 6901
000

<210> 6902

<400> 6902
000


<210> 6903

<400> 6903
000


<210> 6904

<400> 6904
000


<210> 6905

<400> 6905
000


<210> 6906

<400> 6906
000


<210> 6907

<400> 6907
000


<210> 6908

<400> 6908
000


<210> 6909

<400> 6909
000


<210> 6910

<400> 6910

000

<210> 6911

<400> 6911
000

<210> 6912

<400> 6912
000

<210> 6913

<400> 6913
000

<210> 6914

<400> 6914
000

<210> 6915

<400> 6915
000

<210> 6916

<400> 6916
000

<210> 6917

<400> 6917
000

<210> 6918

<400> 6918
000

<210> 6919

<400> 6919
000

<210> 6920

<400> 6920
000

<210> 6921

<400> 6921
000

<210> 6922

<400> 6922
000

<210> 6923

<400> 6923
000

<210> 6924

<400> 6924
000

<210> 6925

<400> 6925
000

<210> 6926

<400> 6926
000

<210> 6927

<400> 6927
000

<210> 6928

<400> 6928
000

<210> 6929

<400> 6929
000

<210> 6930

<400> 6930
000

<210> 6931

<400> 6931
000

<210> 6932

<400> 6932
000

<210> 6933

<400> 6933
000

<210> 6934

<400> 6934
000

<210> 6935

<400> 6935
000

<210> 6936

<400> 6936
000

<210> 6937

<400> 6937
000


<210> 6938

<400> 6938
000


<210> 6939

<400> 6939
000


<210> 6940

<400> 6940
000


<210> 6941

<400> 6941
000


<210> 6942

<400> 6942
000


<210> 6943

<400> 6943
000


<210> 6944

<400> 6944
000


<210> 6945

<400> 6945
000

<210> 6946

<400> 6946
000

<210> 6947

<400> 6947
000

<210> 6948

<400> 6948
000

<210> 6949

<400> 6949
000

<210> 6950

<400> 6950
000

<210> 6951

<400> 6951
000

<210> 6952

<400> 6952
000

<210> 6953

<400> 6953
000

<210> 6954

<400> 6954
000

<210> 6955

<400> 6955
000


<210> 6956

<400> 6956
000


<210> 6957

<400> 6957
000


<210> 6958

<400> 6958
000


<210> 6959

<400> 6959
000


<210> 6960

<400> 6960
000


<210> 6961

<400> 6961
000


<210> 6962

<400> 6962
000


<210> 6963

<400> 6963

000

<210> 6964

<400> 6964
000

<210> 6965

<400> 6965
000

<210> 6966

<400> 6966
000

<210> 6967

<400> 6967
000

<210> 6968

<400> 6968
000

<210> 6969

<400> 6969
000

<210> 6970

<400> 6970
000

<210> 6971

<400> 6971
000

<210> 6972

<400> 6972
000

<210> 6973

<400> 6973
000

<210> 6974

<400> 6974
000

<210> 6975

<400> 6975
000

<210> 6976

<400> 6976
000

<210> 6977

<400> 6977
000

<210> 6978

<400> 6978
000

<210> 6979

<400> 6979
000

<210> 6980

<400> 6980
000

<210> 6981

<400> 6981
000

<210> 6982

<400> 6982
000

<210> 6983

<400> 6983
000

<210> 6984

<400> 6984
000

<210> 6985

<400> 6985
000

<210> 6986

<400> 6986
000

<210> 6987

<400> 6987
000

<210> 6988

<400> 6988
000

<210> 6989

<400> 6989
000

<210> 6990

<400> 6990
000


<210> 6991

<400> 6991
000


<210> 6992

<400> 6992
000


<210> 6993

<400> 6993
000


<210> 6994

<400> 6994
000


<210> 6995

<400> 6995
000


<210> 6996

<400> 6996
000


<210> 6997

<400> 6997
000


<210> 6998

<400> 6998
000

<210> 6999

<400> 6999
000


<210> 7000

<400> 7000
000


<210> 7001

<400> 7001
000


<210> 7002

<400> 7002
000


<210> 7003

<400> 7003
000


<210> 7004

<400> 7004
000


<210> 7005

<400> 7005
000


<210> 7006

<400> 7006
000


<210> 7007

<400> 7007
000

<210> 7008

<400> 7008
000

<210> 7009

<400> 7009
000

<210> 7010

<400> 7010
000

<210> 7011

<400> 7011
000

<210> 7012

<400> 7012
000

<210> 7013

<400> 7013
000

<210> 7014

<400> 7014
000

<210> 7015

<400> 7015
000

<210> 7016

<400> 7016

000

<210> 7017
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7017
Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
1 5 10 15

Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
20 25 30

Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
35 40 45

Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
50 55 60

Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
65 70 75 80

Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
85 90 95

Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn
100 105 110

Thr Ser

<210> 7018
<211> 77
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7018
Met Ala Pro Arg Arg Ala Arg Gly Cys Arg Thr Leu Gly Leu Pro Ala
1 5 10 15

Leu Leu Leu Leu Leu Leu Leu Arg Pro Pro Ala Thr Arg Gly Ile Thr
20 25 30

Cys Pro Pro Pro Met Ser Val Glu His Ala Asp Ile Trp Val Lys Ser
35 40 45

Tyr Ser Leu Tyr Ser Arg Glu Arg Tyr Ile Cys Asn Ser Gly Phe Lys
50 55 60

Arg Lys Ala Gly Thr Ser Ser Leu Thr Glu Cys Val Leu
65 70 75

<210> 7019
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7019
Ser Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly
1 5 10 15

Gly Ser Leu Gln
20

<210> 7020
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7020
Ala Pro Thr Ser Ser Ser Thr Lys Lys Thr Gln Leu Gln Leu Glu His
1               5                  10                  15

Leu Leu Leu Asp Leu Gln Met Ile Leu Asn Gly Ile Asn Asn Tyr Lys
            20                  25                  30

Asn Pro Lys Leu Thr Arg Met Leu Thr Phe Lys Phe Tyr Met Pro Lys
        35                  40                  45

Lys Ala Thr Glu Leu Lys His Leu Gln Cys Leu Glu Glu Glu Leu Lys
    50                  55                  60

Pro Leu Glu Glu Val Leu Asn Leu Ala Gln Ser Lys Asn Phe His Leu
65                  70                  75                  80

Arg Pro Arg Asp Leu Ile Ser Asn Ile Asn Val Ile Val Leu Glu Leu
                85                  90                  95

Lys Gly Ser Glu Thr Thr Phe Met Cys Glu Tyr Ala Asp Glu Thr Ala
            100                 105                 110

Thr Ile Val Glu Phe Leu Asn Arg Trp Ile Thr Phe Cys Gln Ser Ile
        115                 120                 125

Ile Ser Thr Leu Thr
    130

<210> 7021
<211> 157
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7021
Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile Arg Asn Leu Asn
1               5                  10                  15

Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp

20 25 30

Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
35 40 45

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

Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile
65 70 75 80

Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys
85 90 95

Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
100 105 110

Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
115 120 125

Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
130 135 140

Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
145 150 155

<210> 7022
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7022
Gln Gly Gln Asp Arg His Met Ile Arg Met Arg Gln Leu Ile Asp Ile
1 5 10 15

Val Asp Gln Leu Lys Asn Tyr Val Asn Asp Leu Val Pro Glu Phe Leu
20 25 30

Pro Ala Pro Glu Asp Val Glu Thr Asn Cys Glu Trp Ser Ala Phe Ser
35 40 45

Cys Phe Gln Lys Ala Gln Leu Lys Ser Ala Asn Thr Gly Asn Asn Glu
50 55 60

Arg Ile Ile Asn Val Ser Ile Lys Lys Leu Lys Arg Lys Pro Pro Ser
65 70 75 80

Thr Asn Ala Gly Arg Arg Gln Lys His Arg Leu Thr Cys Pro Ser Cys
85 90 95

Asp Ser Tyr Glu Lys Lys Pro Pro Lys Glu Phe Leu Glu Arg Phe Lys
100 105 110

Ser Leu Leu Gln Lys Met Ile His Gln His Leu Ser Ser Arg Thr His
115 120 125

Gly Ser Glu Asp Ser
130

<210> 7023
<211> 138
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7023
Gln Asp Pro Tyr Val Lys Glu Ala Glu Asn Leu Lys Lys Tyr Phe Asn
1 5 10 15

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

Leu Lys Asn Trp Lys Glu Glu Ser Asp Arg Lys Ile Met Gln Ser Gln
35 40 45

Ile Val Ser Phe Tyr Phe Lys Leu Phe Lys Asn Phe Lys Asp Asp Gln

```
    50                  55                  60

Ser Ile Gln Lys Ser Val Glu Thr Ile Lys Glu Asp Met Asn Val Lys
65                  70                  75                  80

Phe Phe Asn Ser Asn Lys Lys Lys Arg Asp Asp Phe Glu Lys Leu Thr
                85                  90                  95

Asn Tyr Ser Val Thr Asp Leu Asn Val Gln Arg Lys Ala Ile His Glu
            100                 105                 110

Leu Ile Gln Val Met Ala Glu Leu Ser Pro Ala Ala Lys Thr Gly Lys
        115                 120                 125

Arg Lys Arg Ser Gln Met Leu Phe Arg Gly
    130                 135
```

<210> 7024

<400> 7024
000

<210> 7025

<400> 7025
000

<210> 7026

<400> 7026
000

<210> 7027

<400> 7027
000

<210> 7028

<400> 7028
000

<210> 7029

<400> 7029
000


<210> 7030

<400> 7030
000


<210> 7031

<400> 7031
000


<210> 7032

<400> 7032
000


<210> 7033

<400> 7033
000


<210> 7034

<400> 7034
000


<210> 7035

<400> 7035
000


<210> 7036

<400> 7036
000


<210> 7037

<400> 7037
000

<210> 7038

<400> 7038
000


<210> 7039

<400> 7039
000


<210> 7040

<400> 7040
000


<210> 7041

<400> 7041
000


<210> 7042

<400> 7042
000


<210> 7043

<400> 7043
000


<210> 7044

<400> 7044
000


<210> 7045

<400> 7045
000


<210> 7046

<400> 7046
000

<210> 7047

<400> 7047
000


<210> 7048

<400> 7048
000


<210> 7049

<400> 7049
000


<210> 7050

<400> 7050
000


<210> 7051

<400> 7051
000


<210> 7052

<400> 7052
000


<210> 7053

<400> 7053
000


<210> 7054

<400> 7054
000


<210> 7055

<400> 7055

000

<210> 7056

<400> 7056
000

<210> 7057

<400> 7057
000

<210> 7058

<400> 7058
000

<210> 7059

<400> 7059
000

<210> 7060

<400> 7060
000

<210> 7061

<400> 7061
000

<210> 7062

<400> 7062
000

<210> 7063

<400> 7063
000

<210> 7064

<400> 7064
000

<210> 7065

<400> 7065
000

<210> 7066

<400> 7066
000

<210> 7067

<400> 7067
000

<210> 7068

<400> 7068
000

<210> 7069

<400> 7069
000

<210> 7070

<400> 7070
000

<210> 7071

<400> 7071
000

<210> 7072

<400> 7072
000

<210> 7073

<400> 7073
000

<210> 7074

<400> 7074
000

<210> 7075

<400> 7075
000

<210> 7076

<400> 7076
000

<210> 7077

<400> 7077
000

<210> 7078

<400> 7078
000

<210> 7079

<400> 7079
000

<210> 7080

<400> 7080
000

<210> 7081

<400> 7081
000

<210> 7082

<400> 7082
000


<210> 7083

<400> 7083
000


<210> 7084

<400> 7084
000


<210> 7085

<400> 7085
000


<210> 7086

<400> 7086
000


<210> 7087

<400> 7087
000


<210> 7088

<400> 7088
000


<210> 7089

<400> 7089
000


<210> 7090

<400> 7090
000

<210> 7091

<400> 7091
000

<210> 7092

<400> 7092
000

<210> 7093

<400> 7093
000

<210> 7094

<400> 7094
000

<210> 7095

<400> 7095
000

<210> 7096

<400> 7096
000

<210> 7097

<400> 7097
000

<210> 7098

<400> 7098
000

<210> 7099

<400> 7099
000

<210> 7100

<400> 7100
000


<210> 7101

<400> 7101
000


<210> 7102

<400> 7102
000


<210> 7103

<400> 7103
000


<210> 7104

<400> 7104
000


<210> 7105

<400> 7105
000


<210> 7106

<400> 7106
000


<210> 7107

<400> 7107
000


<210> 7108

<400> 7108

000

<210> 7109

<400> 7109
000

<210> 7110

<400> 7110
000

<210> 7111

<400> 7111
000

<210> 7112

<400> 7112
000

<210> 7113

<400> 7113
000

<210> 7114

<400> 7114
000

<210> 7115

<400> 7115
000

<210> 7116

<400> 7116
000

<210> 7117

<400> 7117
000

<210> 7118

<400> 7118
000

<210> 7119

<400> 7119
000

<210> 7120

<400> 7120
000

<210> 7121

<400> 7121
000

<210> 7122

<400> 7122
000

<210> 7123

<400> 7123
000

<210> 7124

<400> 7124
000

<210> 7125

<400> 7125
000

<210> 7126

<400> 7126
000

<210> 7127

<400> 7127
000

<210> 7128

<400> 7128
000

<210> 7129

<400> 7129
000

<210> 7130

<400> 7130
000

<210> 7131

<400> 7131
000

<210> 7132

<400> 7132
000

<210> 7133

<400> 7133
000

<210> 7134

<400> 7134
000

<210> 7135

<400> 7135
000


<210> 7136

<400> 7136
000


<210> 7137

<400> 7137
000


<210> 7138

<400> 7138
000


<210> 7139

<400> 7139
000


<210> 7140

<400> 7140
000


<210> 7141

<400> 7141
000


<210> 7142

<400> 7142
000


<210> 7143

<400> 7143
000

<210> 7144

<400> 7144
000


<210> 7145

<400> 7145
000


<210> 7146

<400> 7146
000


<210> 7147

<400> 7147
000


<210> 7148

<400> 7148
000


<210> 7149

<400> 7149
000


<210> 7150

<400> 7150
000


<210> 7151

<400> 7151
000


<210> 7152

<400> 7152
000

<210> 7153

<400> 7153
000

<210> 7154

<400> 7154
000

<210> 7155

<400> 7155
000

<210> 7156

<400> 7156
000

<210> 7157

<400> 7157
000

<210> 7158

<400> 7158
000

<210> 7159

<400> 7159
000

<210> 7160

<400> 7160
000

<210> 7161

<400> 7161

000

<210> 7162

<400> 7162
000

<210> 7163

<400> 7163
000

<210> 7164

<400> 7164
000

<210> 7165

<400> 7165
000

<210> 7166

<400> 7166
000

<210> 7167

<400> 7167
000

<210> 7168

<400> 7168
000

<210> 7169

<400> 7169
000

<210> 7170

<400> 7170
000

<210> 7171

<400> 7171
000

<210> 7172

<400> 7172
000

<210> 7173

<400> 7173
000

<210> 7174

<400> 7174
000

<210> 7175

<400> 7175
000

<210> 7176

<400> 7176
000

<210> 7177

<400> 7177
000

<210> 7178

<400> 7178
000

<210> 7179

<400> 7179
000

<210> 7180

<400> 7180
000

<210> 7181

<400> 7181
000

<210> 7182

<400> 7182
000

<210> 7183

<400> 7183
000

<210> 7184

<400> 7184
000

<210> 7185

<400> 7185
000

<210> 7186

<400> 7186
000

<210> 7187

<400> 7187
000

<210> 7188

<400> 7188
000


<210> 7189

<400> 7189
000


<210> 7190

<400> 7190
000


<210> 7191

<400> 7191
000


<210> 7192

<400> 7192
000


<210> 7193

<400> 7193
000


<210> 7194

<400> 7194
000


<210> 7195

<400> 7195
000


<210> 7196

<400> 7196
000

<210> 7197

<400> 7197
000

<210> 7198

<400> 7198
000

<210> 7199

<400> 7199
000

<210> 7200

<400> 7200
000

<210> 7201

<400> 7201
000

<210> 7202

<400> 7202
000

<210> 7203

<400> 7203
000

<210> 7204

<400> 7204
000

<210> 7205

<400> 7205
000

<210> 7206

<400> 7206
000


<210> 7207

<400> 7207
000


<210> 7208

<400> 7208
000


<210> 7209

<400> 7209
000


<210> 7210

<400> 7210
000


<210> 7211

<400> 7211
000


<210> 7212

<400> 7212
000


<210> 7213

<400> 7213
000


<210> 7214

<400> 7214

000

<210> 7215

<400> 7215
000

<210> 7216

<400> 7216
000

<210> 7217

<400> 7217
000

<210> 7218

<400> 7218
000

<210> 7219

<400> 7219
000

<210> 7220

<400> 7220
000

<210> 7221

<400> 7221
000

<210> 7222

<400> 7222
000

<210> 7223

<400> 7223
000

<210> 7224

<400> 7224
000

<210> 7225

<400> 7225
000

<210> 7226

<400> 7226
000

<210> 7227
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7227
Ala Pro Thr Ser Ser Ser Thr Lys Lys Thr Gln Leu Gln Leu Glu His
1 5 10 15

Leu Leu Leu Asp Leu Gln Met Ile Leu Asn Gly Ile Asn Asn Tyr Lys
20 25 30

Asn Pro Lys Leu Thr Arg Met Leu Thr Phe Lys Phe Tyr Met Pro Lys
35 40 45

Lys Ala Thr Glu Leu Lys His Leu Gln Cys Leu Glu Glu Glu Leu Lys
50 55 60

Pro Leu Glu Glu Val Leu Asn Leu Ala Gln Ser Lys Asn Phe His Leu
65 70 75 80

Arg Pro Arg Asp Leu Ile Ser Asn Ile Asn Val Ile Val Leu Glu Leu
85 90 95

Lys Gly Ser Glu Thr Thr Phe Met Cys Glu Tyr Ala Asp Glu Thr Ala
100 105 110

Thr Ile Val Glu Phe Leu Asn Arg Trp Ile Thr Phe Ala Gln Ser Ile
115 120 125

Ile Ser Thr Leu Thr
130

<210> 7228
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7228
Ala Pro Ala Ser Ser Ser Thr Lys Lys Thr Gln Leu Gln Leu Glu His
1 5 10 15

Leu Leu Leu Asp Leu Gln Met Ile Leu Asn Gly Ile Asn Asn Tyr Lys
20 25 30

Asn Pro Lys Leu Thr Arg Met Leu Thr Ala Lys Phe Ala Met Pro Lys
35 40 45

Lys Ala Thr Glu Leu Lys His Leu Gln Cys Leu Glu Glu Glu Leu Lys
50 55 60

Pro Leu Glu Glu Val Leu Asn Gly Ala Gln Ser Lys Asn Phe His Leu
65 70 75 80

Arg Pro Arg Asp Leu Ile Ser Asn Ile Asn Val Ile Val Leu Glu Leu
85 90 95

Lys Gly Ser Glu Thr Thr Phe Met Cys Glu Tyr Ala Asp Glu Thr Ala
100 105 110

```
Thr Ile Val Glu Phe Leu Asn Arg Trp Ile Thr Phe Ala Gln Ser Ile
        115                 120                 125


Ile Ser Thr Leu Thr
    130


<210> 7229
<211> 518
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7229
Ile Trp Glu Leu Lys Lys Asp Val Tyr Val Val Glu Leu Asp Trp Tyr
1               5                   10                  15


Pro Asp Ala Pro Gly Glu Met Val Val Leu Thr Cys Asp Thr Pro Glu
            20                  25                  30


Glu Asp Gly Ile Thr Trp Thr Leu Asp Gln Ser Ser Glu Val Leu Gly
        35                  40                  45


Ser Gly Lys Thr Leu Thr Ile Gln Val Lys Glu Phe Gly Asp Ala Gly
    50                  55                  60


Gln Tyr Thr Cys His Lys Gly Gly Glu Val Leu Ser His Ser Leu Leu
65                  70                  75                  80


Leu Leu His Lys Lys Glu Asp Gly Ile Trp Ser Thr Asp Ile Leu Lys
                85                  90                  95


Asp Gln Lys Glu Pro Lys Asn Lys Thr Phe Leu Arg Cys Glu Ala Lys
            100                 105                 110


Asn Tyr Ser Gly Arg Phe Thr Cys Trp Trp Leu Thr Thr Ile Ser Thr
        115                 120                 125
```

```
Asp Leu Thr Phe Ser Val Lys Ser Ser Arg Gly Ser Ser Asp Pro Gln
    130                 135                 140

Gly Val Thr Cys Gly Ala Ala Thr Leu Ser Ala Glu Arg Val Arg Gly
145                 150                 155                 160

Asp Asn Lys Glu Tyr Glu Tyr Ser Val Glu Cys Gln Glu Asp Ser Ala
                165                 170                 175

Cys Pro Ala Ala Glu Glu Ser Leu Pro Ile Glu Val Met Val Asp Ala
            180                 185                 190

Val His Lys Leu Lys Tyr Glu Asn Tyr Thr Ser Ser Phe Phe Ile Arg
        195                 200                 205

Asp Ile Ile Lys Pro Asp Pro Pro Lys Asn Leu Gln Leu Lys Pro Leu
    210                 215                 220

Lys Asn Ser Arg Gln Val Glu Val Ser Trp Glu Tyr Pro Asp Thr Trp
225                 230                 235                 240

Ser Thr Pro His Ser Tyr Phe Ser Leu Thr Phe Cys Val Gln Val Gln
                245                 250                 255

Gly Lys Ser Lys Arg Glu Lys Lys Asp Arg Val Phe Thr Asp Lys Thr
            260                 265                 270

Ser Ala Thr Val Ile Cys Arg Lys Asn Ala Ser Ile Ser Val Arg Ala
        275                 280                 285

Gln Asp Arg Tyr Tyr Ser Ser Ser Trp Ser Glu Trp Ala Ser Val Pro
    290                 295                 300

Cys Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
305                 310                 315                 320

Ser Arg Asn Leu Pro Val Ala Thr Pro Asp Pro Gly Met Phe Pro Cys
                325                 330                 335

Leu His His Ser Gln Asn Leu Leu Arg Ala Val Ser Asn Met Leu Gln
```

340 345 350

Lys Ala Arg Gln Thr Leu Glu Phe Tyr Pro Cys Thr Ser Glu Glu Ile
355 360 365

Asp His Glu Asp Ile Thr Lys Asp Lys Thr Ser Thr Val Glu Ala Cys
370 375 380

Leu Pro Leu Glu Leu Thr Lys Asn Glu Ser Cys Leu Asn Ser Arg Glu
385 390 395 400

Thr Ser Phe Ile Thr Asn Gly Ser Cys Leu Ala Ser Arg Lys Thr Ser
405 410 415

Phe Met Met Ala Leu Cys Leu Ser Ser Ile Tyr Glu Asp Leu Lys Met
420 425 430

Tyr Gln Val Glu Phe Lys Thr Met Asn Ala Lys Leu Leu Met Asp Pro
435 440 445

Lys Arg Gln Ile Phe Leu Asp Gln Asn Met Leu Ala Val Ile Asp Glu
450 455 460

Leu Met Gln Ala Leu Asn Phe Asn Ser Glu Thr Val Pro Gln Lys Ser
465 470 475 480

Ser Leu Glu Glu Pro Asp Phe Tyr Lys Thr Lys Ile Lys Leu Cys Ile
485 490 495

Leu Leu His Ala Phe Arg Ile Arg Ala Val Thr Ile Asp Arg Val Met
500 505 510

Ser Tyr Leu Asn Ala Ser
515

<210> 7230
<211> 340
<212> PRT
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7230
Ser Pro Gly Gln Gly Thr Gln Ser Glu Asn Ser Cys Thr His Phe Pro
1 5 10 15

Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg Asp Ala Phe Ser Arg
20 25 30

Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Leu Leu Leu
35 40 45

Lys Glu Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys Gln Ala
50 55 60

Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro Gln Ala
65 70 75 80

Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn Ser Leu Gly Glu
85 90 95

Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys His Arg Phe Leu
100 105 110

Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Asn Ala Phe
115 120 125

Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys Ala Met Ser Glu Phe Asp
130 135 140

Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Met Lys Ile Arg Asn
145 150 155 160

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
165 170 175

Gly Gly Gly Ser Ser Pro Gly Gln Gly Thr Gln Ser Glu Asn Ser Cys
180 185 190

```
Thr His Phe Pro Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg Asp
        195                 200                 205

Ala Phe Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp
    210                 215                 220

Asn Leu Leu Leu Lys Glu Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu
225                 230                 235                 240

Gly Cys Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val
                245                 250                 255

Met Pro Gln Ala Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn
            260                 265                 270

Ser Leu Gly Glu Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys
        275                 280                 285

His Arg Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val
    290                 295                 300

Lys Asn Ala Phe Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys Ala Met
305                 310                 315                 320

Ser Glu Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Met
                325                 330                 335

Lys Ile Arg Asn
            340
```

<210> 7231
<211> 166
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7231
```
Ser Pro Gly Gln Gly Thr Gln Ser Glu Asn Ser Cys Thr His Phe Pro
1               5                   10                  15
```

```
Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg Asp Ala Phe Ser Arg
            20                  25                  30

Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Leu Leu Leu
        35                  40                  45

Lys Glu Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys Gln Ala
    50                  55                  60

Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro Gln Ala
65                  70                  75                  80

Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn Ser Leu Gly Glu
                85                  90                  95

Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys His Arg Phe Leu
            100                 105                 110

Pro Cys Glu Asn Gly Gly Gly Ser Gly Gly Lys Ser Lys Ala Val Glu
        115                 120                 125

Gln Val Lys Asn Ala Phe Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys
    130                 135                 140

Ala Met Ser Glu Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met
145                 150                 155                 160

Thr Met Lys Ile Arg Asn
                165
```

<210> 7232
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7232

```
Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
1               5                   10                  15


Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
            20                  25                  30


Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
        35                  40                  45


Val Ile Ser Leu Ala Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
    50                  55                  60


Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Ala Val
65                  70                  75                  80


Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
                85                  90                  95


Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn
            100                 105                 110


Thr Ser



<210> 7233
<211> 238
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7233
Asp Leu Lys Val Glu Met Met Ala Gly Gly Thr Gln Ile Thr Pro Leu
1               5                   10                  15


Asn Asp Asn Val Thr Ile Phe Cys Asn Ile Phe Tyr Ser Gln Pro Leu
            20                  25                  30


Asn Ile Thr Ser Met Gly Ile Thr Trp Phe Trp Lys Ser Leu Thr Phe
        35                  40                  45
```

Asp Lys Glu Val Lys Val Phe Glu Phe Phe Gly Asp His Gln Glu Ala
    50                  55                  60

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

Ala Ser Leu Arg Leu Pro Gly Ile Gln Leu Glu Glu Ala Gly Glu Tyr
                85                  90                  95

Arg Cys Glu Val Val Val Thr Pro Leu Lys Ala Gln Gly Thr Val Gln
            100                 105                 110

Leu Glu Val Val Ala Ser Pro Ala Ser Arg Leu Leu Leu Asp Gln Val
        115                 120                 125

Gly Met Lys Glu Asn Glu Asp Lys Tyr Met Cys Glu Ser Ser Gly Phe
    130                 135                 140

Tyr Pro Glu Ala Ile Asn Ile Thr Trp Glu Lys Gln Thr Gln Lys Phe
145                 150                 155                 160

Pro His Pro Ile Glu Ile Ser Glu Asp Val Ile Thr Gly Pro Thr Ile
                165                 170                 175

Lys Asn Met Asp Gly Thr Phe Asn Val Thr Ser Cys Leu Lys Leu Asn
            180                 185                 190

Ser Ser Gln Glu Asp Pro Gly Thr Val Tyr Gln Cys Val Val Arg His
        195                 200                 205

Ala Ser Leu His Thr Pro Leu Arg Ser Asn Phe Thr Leu Thr Ala Ala
    210                 215                 220

Arg His Ser Leu Ser Glu Thr Glu Lys Thr Asp Asn Phe Ser
225                 230                 235

<210> 7234
<211> 284
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7234
Glu Pro His Ser Leu Arg Tyr Asn Leu Thr Val Leu Ser Trp Asp Gly
1 5 10 15

Ser Val Gln Ser Gly Phe Leu Thr Glu Val His Leu Asp Gly Gln Pro
20 25 30

Phe Leu Arg Cys Asp Arg Gln Lys Cys Arg Ala Lys Pro Gln Gly Gln
35 40 45

Trp Ala Glu Asp Val Leu Gly Asn Lys Thr Trp Asp Arg Glu Thr Arg
50 55 60

Asp Leu Thr Gly Asn Gly Lys Asp Leu Arg Met Thr Leu Ala His Ile
65 70 75 80

Lys Asp Gln Lys Glu Gly Leu His Ser Leu Gln Glu Ile Arg Val Cys
85 90 95

Glu Ile His Glu Asp Asn Ser Thr Arg Ser Ser Gln His Phe Tyr Tyr
100 105 110

Asp Gly Glu Leu Phe Leu Ser Gln Asn Leu Glu Thr Lys Glu Trp Thr
115 120 125

Met Pro Gln Ser Ser Arg Ala Gln Thr Leu Ala Met Asn Val Arg Asn
130 135 140

Phe Leu Lys Glu Asp Ala Met Lys Thr Lys Thr His Tyr His Ala Met
145 150 155 160

His Ala Asp Cys Leu Gln Glu Leu Arg Arg Tyr Leu Lys Ser Gly Val
165 170 175

Val Leu Arg Arg Thr Val Pro Pro Met Val Asn Val Thr Arg Ser Glu

```
            180                 185                 190

Ala Ser Glu Gly Asn Ile Thr Val Thr Cys Arg Ala Ser Gly Phe Tyr
        195                 200                 205

Pro Trp Asn Ile Thr Leu Ser Trp Arg Gln Asp Gly Val Ser Leu Ser
    210                 215                 220

His Asp Thr Gln Gln Trp Gly Asp Val Leu Pro Asp Gly Asn Gly Thr
225                 230                 235                 240

Tyr Gln Thr Trp Val Ala Thr Arg Ile Cys Gln Gly Glu Glu Gln Arg
                245                 250                 255

Phe Thr Cys Tyr Met Glu His Ser Gly Asn His Ser Thr His Pro Val
            260                 265                 270

Pro Ser Gly Lys Val Leu Val Leu Gln Ser His Trp
        275                 280


<210> 7235
<211> 287
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7235
Ala Glu Pro His Ser Leu Arg Tyr Asn Leu Met Val Leu Ser Gln Asp
1               5                   10                  15

Glu Ser Val Gln Ser Gly Phe Leu Ala Glu Gly His Leu Asp Gly Gln
            20                  25                  30

Pro Phe Leu Arg Tyr Asp Arg Gln Lys Arg Arg Ala Lys Pro Gln Gly
        35                  40                  45

Gln Trp Ala Glu Asp Val Leu Gly Ala Lys Thr Trp Asp Thr Glu Thr
    50                  55                  60
```

```
Glu Asp Leu Thr Glu Asn Gly Gln Asp Leu Arg Arg Thr Leu Thr His
65                  70                  75                  80

Ile Lys Asp Gln Lys Gly Gly Leu His Ser Leu Gln Glu Ile Arg Val
                85                  90                  95

Cys Glu Ile His Glu Asp Ser Ser Thr Arg Gly Ser Arg His Phe Tyr
            100                 105                 110

Tyr Asp Gly Glu Leu Phe Leu Ser Gln Asn Leu Glu Thr Gln Glu Ser
        115                 120                 125

Thr Val Pro Gln Ser Ser Arg Ala Gln Thr Leu Ala Met Asn Val Thr
    130                 135                 140

Asn Phe Trp Lys Glu Asp Ala Met Lys Thr Lys Thr His Tyr Arg Ala
145                 150                 155                 160

Met Gln Ala Asp Cys Leu Gln Lys Leu Gln Arg Tyr Leu Lys Ser Gly
                165                 170                 175

Val Ala Ile Arg Arg Thr Val Pro Pro Met Val Asn Val Thr Cys Ser
            180                 185                 190

Glu Val Ser Glu Gly Asn Ile Thr Val Thr Cys Arg Ala Ser Ser Phe
        195                 200                 205

Tyr Pro Arg Asn Ile Thr Leu Thr Trp Arg Gln Asp Gly Val Ser Leu
    210                 215                 220

Ser His Asn Thr Gln Gln Trp Gly Asp Val Leu Pro Asp Gly Asn Gly
225                 230                 235                 240

Thr Tyr Gln Thr Trp Val Ala Thr Arg Ile Arg Gln Gly Glu Glu Gln
                245                 250                 255

Arg Phe Thr Cys Tyr Met Glu His Ser Gly Asn His Gly Thr His Pro
            260                 265                 270
```

Val Pro Ser Gly Lys Val Leu Val Leu Gln Ser Gln Arg Thr Asp
        275                 280                 285


<210> 7236
<211> 191
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7236
Gly Trp Val Asp Thr His Cys Leu Cys Tyr Asp Phe Ile Ile Thr Pro
1               5                   10                  15


Lys Ser Arg Pro Glu Pro Gln Trp Cys Glu Val Gln Gly Leu Val Asp
            20                  25                  30


Glu Arg Pro Phe Leu His Tyr Asp Cys Val Asn His Lys Ala Lys Ala
        35                  40                  45


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


Gln Thr Glu Thr Leu Arg Asp Val Val Asp Phe Leu Lys Gly Gln Leu
65                  70                  75                  80


Leu Asp Ile Gln Val Glu Asn Leu Ile Pro Ile Glu Pro Leu Thr Leu
                85                  90                  95


Gln Ala Arg Met Ser Cys Glu His Glu Ala His Gly His Gly Arg Gly
            100                 105                 110


Ser Trp Gln Phe Leu Phe Asn Gly Gln Lys Phe Leu Leu Phe Asp Ser
        115                 120                 125


Asn Asn Arg Lys Trp Thr Ala Leu His Pro Gly Ala Lys Lys Met Thr
    130                 135                 140


Glu Lys Trp Glu Lys Asn Arg Asp Val Thr Met Phe Phe Gln Lys Ile
145                 150                 155                 160

```
Ser Leu Gly Asp Cys Lys Met Trp Leu Glu Glu Phe Leu Met Tyr Trp
                165                 170                 175


Glu Gln Met Leu Asp Pro Thr Lys Pro Pro Ser Leu Ala Pro Gly
            180                 185                 190


<210> 7237
<211> 329
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7237
Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1               5                   10                  15


Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
            20                  25                  30


Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
        35                  40                  45


Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
    50                  55                  60


Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65                  70                  75                  80


Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
                85                  90                  95


His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
            100                 105                 110


Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
        115                 120                 125
```

```
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
    130                 135                 140

Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145                 150                 155                 160

Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
                165                 170                 175

Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
            180                 185                 190

Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
        195                 200                 205

Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
    210                 215                 220

Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225                 230                 235                 240

Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
                245                 250                 255

Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
            260                 265                 270

Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
        275                 280                 285

Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
    290                 295                 300

Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305                 310                 315                 320

Thr Ala Gly Ala Gly Ala Thr Gly Gly
                325
```

<210> 7238

<211> 323
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7238
Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
1 5 10 15

Val Pro Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
20 25 30

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

His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
50 55 60

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

Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu
85 90 95

Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
100 105 110

Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
115 120 125

Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
130 135 140

Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
145 150 155 160

Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
165 170 175

```
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
            180                 185                 190


Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
        195                 200                 205


Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
    210                 215                 220


Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
225                 230                 235                 240


Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
                245                 250                 255


Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
            260                 265                 270


Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
        275                 280                 285


Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
    290                 295                 300


Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
305                 310                 315                 320


Ser Arg Asn



<210> 7239
<211> 330
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7239
Gln Asn Leu Phe Thr Lys Asp Val Thr Val Ile Glu Gly Glu Val Ala
```

```
1               5                   10                  15

Thr Ile Ser Cys Gln Val Asn Lys Ser Asp Asp Ser Val Ile Gln Leu
            20                  25                  30

Leu Asn Pro Asn Arg Gln Thr Ile Tyr Phe Arg Asp Phe Arg Pro Leu
        35                  40                  45

Lys Asp Ser Arg Phe Gln Leu Leu Asn Phe Ser Ser Ser Glu Leu Lys
    50                  55                  60

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

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

Leu Val Pro Pro Arg Asn Leu Met Ile Asp Ile Gln Lys Asp Thr Ala
            100                 105                 110

Val Glu Gly Glu Glu Ile Glu Val Asn Cys Thr Ala Met Ala Ser Lys
        115                 120                 125

Pro Ala Thr Thr Ile Arg Trp Phe Lys Gly Asn Thr Glu Leu Lys Gly
    130                 135                 140

Lys Ser Glu Val Glu Glu Trp Ser Asp Met Tyr Thr Val Thr Ser Gln
145                 150                 155                 160

Leu Met Leu Lys Val His Lys Glu Asp Asp Gly Val Pro Val Ile Cys
                165                 170                 175

Gln Val Glu His Pro Ala Val Thr Gly Asn Leu Gln Thr Gln Arg Tyr
            180                 185                 190

Leu Glu Val Gln Tyr Lys Pro Gln Val His Ile Gln Met Thr Tyr Pro
        195                 200                 205

Leu Gln Gly Leu Thr Arg Glu Gly Asp Ala Leu Glu Leu Thr Cys Glu
    210                 215                 220
```

```
Ala Ile Gly Lys Pro Gln Pro Val Met Val Thr Trp Val Arg Val Asp
225                 230                 235                 240


Asp Glu Met Pro Gln His Ala Val Leu Ser Gly Pro Asn Leu Phe Ile
                245                 250                 255


Asn Asn Leu Asn Lys Thr Asp Asn Gly Thr Tyr Arg Cys Glu Ala Ser
            260                 265                 270


Asn Ile Val Gly Lys Ala His Ser Asp Tyr Met Leu Tyr Val Tyr Asp
        275                 280                 285


Pro Pro Thr Thr Ile Pro Pro Pro Thr Thr Thr Thr Thr Thr Thr Thr
    290                 295                 300


Thr Thr Thr Thr Thr Ile Leu Thr Ile Ile Thr Asp Ser Arg Ala Gly
305                 310                 315                 320


Glu Glu Gly Ser Ile Arg Ala Val Asp His
                325                 330


<210> 7240
<211> 155
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7240
Gln Arg Phe Ala Gln Ala Gln Gln Gln Leu Pro Leu Glu Ser Leu Gly
1               5                   10                  15


Trp Asp Val Ala Glu Leu Gln Leu Asn His Thr Gly Pro Gln Gln Asp
            20                  25                  30


Pro Arg Leu Tyr Trp Gln Gly Gly Pro Ala Leu Gly Arg Ser Phe Leu
        35                  40                  45
```

His Gly Pro Glu Leu Asp Lys Gly Gln Leu Arg Ile His Arg Asp Gly
    50                  55                  60

Ile Tyr Met Val His Ile Gln Val Thr Leu Ala Ile Cys Ser Ser Thr
65                  70                  75                  80

Thr Ala Ser Arg His His Pro Thr Thr Leu Ala Val Gly Ile Cys Ser
                85                  90                  95

Pro Ala Ser Arg Ser Ile Ser Leu Leu Arg Leu Ser Phe His Gln Gly
            100                 105                 110

Cys Thr Ile Ala Ser Gln Arg Leu Thr Pro Leu Ala Arg Gly Asp Thr
        115                 120                 125

Leu Cys Thr Asn Leu Thr Gly Thr Leu Leu Pro Ser Arg Asn Thr Asp
    130                 135                 140

Glu Thr Phe Phe Gly Val Gln Trp Val Arg Pro
145                 150                 155

<210> 7241
<211> 294
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7241
Trp Thr Tyr His Tyr Ser Glu Lys Pro Met Asn Trp Gln Arg Ala Arg
1               5                   10                  15

Arg Phe Cys Arg Asp Asn Tyr Thr Asp Leu Val Ala Ile Gln Asn Lys
            20                  25                  30

Ala Glu Ile Glu Tyr Leu Glu Lys Thr Leu Pro Phe Ser Arg Ser Tyr
        35                  40                  45

Tyr Trp Ile Gly Ile Arg Lys Ile Gly Gly Ile Trp Thr Trp Val Gly
    50                  55                  60

```
Thr Asn Lys Ser Leu Thr Glu Glu Ala Glu Asn Trp Gly Asp Gly Glu
65                  70                  75                  80

Pro Asn Asn Lys Lys Asn Lys Glu Asp Cys Val Glu Ile Tyr Ile Lys
                85                  90                  95

Arg Asn Lys Asp Ala Gly Lys Trp Asn Asp Asp Ala Cys His Lys Leu
            100                 105                 110

Lys Ala Ala Leu Cys Tyr Thr Ala Ser Cys Gln Pro Trp Ser Cys Ser
        115                 120                 125

Gly His Gly Glu Cys Val Glu Ile Ile Asn Asn Tyr Thr Cys Asn Cys
    130                 135                 140

Asp Val Gly Tyr Tyr Gly Pro Gln Cys Gln Phe Val Ile Gln Cys Glu
145                 150                 155                 160

Pro Leu Glu Ala Pro Glu Leu Gly Thr Met Asp Cys Thr His Pro Leu
                165                 170                 175

Gly Asn Phe Ser Phe Ser Ser Gln Cys Ala Phe Ser Cys Ser Glu Gly
            180                 185                 190

Thr Asn Leu Thr Gly Ile Glu Glu Thr Thr Cys Gly Pro Phe Gly Asn
        195                 200                 205

Trp Ser Ser Pro Glu Pro Thr Cys Gln Val Ile Gln Cys Glu Pro Leu
    210                 215                 220

Ser Ala Pro Asp Leu Gly Ile Met Asn Cys Ser His Pro Leu Ala Ser
225                 230                 235                 240

Phe Ser Phe Thr Ser Ala Cys Thr Phe Ile Cys Ser Glu Gly Thr Glu
                245                 250                 255

Leu Ile Gly Lys Lys Lys Thr Ile Cys Glu Ser Ser Gly Ile Trp Ser
            260                 265                 270
```

Asn Pro Ser Pro Ile Cys Gln Lys Leu Asp Lys Ser Phe Ser Met Ile
        275                 280                 285

Lys Glu Gly Asp Tyr Asn
    290

<210> 7242
<211> 243
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7242
Arg Tyr Leu Gln Val Ser Gln Gln Leu Gln Gln Thr Asn Arg Val Leu
1               5                   10                  15

Glu Val Thr Asn Ser Ser Leu Arg Gln Gln Leu Arg Leu Lys Ile Thr
            20                  25                  30

Gln Leu Gly Gln Ser Ala Glu Asp Leu Gln Gly Ser Arg Arg Glu Leu
        35                  40                  45

Ala Gln Ser Gln Glu Ala Leu Gln Val Glu Gln Arg Ala His Gln Ala
    50                  55                  60

Ala Glu Gly Gln Leu Gln Ala Cys Gln Ala Asp Arg Gln Lys Thr Lys
65                  70                  75                  80

Glu Thr Leu Gln Ser Glu Glu Gln Gln Arg Arg Ala Leu Glu Gln Lys
                85                  90                  95

Leu Ser Asn Met Glu Asn Arg Leu Lys Pro Phe Phe Thr Cys Gly Ser
            100                 105                 110

Ala Asp Thr Cys Cys Pro Ser Gly Trp Ile Met His Gln Lys Ser Cys
        115                 120                 125

Phe Tyr Ile Ser Leu Thr Ser Lys Asn Trp Gln Glu Ser Gln Lys Gln

130 135 140

Cys Glu Thr Leu Ser Ser Lys Leu Ala Thr Phe Ser Glu Ile Tyr Pro
145 150 155 160

Gln Ser His Ser Tyr Tyr Phe Leu Asn Ser Leu Leu Pro Asn Gly Gly
165 170 175

Ser Gly Asn Ser Tyr Trp Thr Gly Leu Ser Ser Asn Lys Asp Trp Lys
180 185 190

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

Cys Asn Lys Val His Lys Thr Trp Ser Trp Trp Thr Leu Glu Ser Glu
210 215 220

Ser Cys Arg Ser Ser Leu Pro Tyr Ile Cys Glu Met Thr Ala Phe Arg
225 230 235 240

Phe Pro Asp

<210> 7243
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7243
Lys Leu Thr Arg Asp Ser Gln Ser Leu Cys Pro Tyr Asp Trp Ile Gly
1 5 10 15

Phe Gln Asn Lys Cys Tyr Tyr Phe Ser Lys Glu Glu Gly Asp Trp Asn
20 25 30

Ser Ser Lys Tyr Asn Cys Ser Thr Gln His Ala Asp Leu Thr Ile Ile
35 40 45

Asp Asn Ile Glu Glu Met Asn Phe Leu Arg Arg Tyr Lys Cys Ser Ser
    50                  55                  60

Asp His Trp Ile Gly Leu Lys Met Ala Lys Asn Arg Thr Gly Gln Trp
65                  70                  75                  80

Val Asp Gly Ala Thr Phe Thr Lys Ser Phe Gly Met Arg Gly Ser Glu
                85                  90                  95

Gly Cys Ala Tyr Leu Ser Asp Asp Gly Ala Ala Thr Ala Arg Cys Tyr
            100                 105                 110

Thr Glu Arg Lys Trp Ile Cys Arg Lys Arg Ile His
        115                 120

<210> 7244
<211> 194
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7244
Gln Gly His Leu Val His Met Thr Val Val Ser Gly Ser Asn Val Thr
1               5                   10                  15

Leu Asn Ile Ser Glu Ser Leu Pro Glu Asn Tyr Lys Gln Leu Thr Trp
            20                  25                  30

Phe Tyr Thr Phe Asp Gln Lys Ile Val Glu Trp Asp Ser Arg Lys Ser
        35                  40                  45

Lys Tyr Phe Glu Ser Lys Phe Lys Gly Arg Val Arg Leu Asp Pro Gln
    50                  55                  60

Ser Gly Ala Leu Tyr Ile Ser Lys Val Gln Lys Glu Asp Asn Ser Thr
65                  70                  75                  80

Tyr Ile Met Arg Val Leu Lys Lys Thr Gly Asn Glu Gln Glu Trp Lys

85 90 95

Ile Lys Leu Gln Val Leu Asp Pro Val Pro Lys Pro Val Ile Lys Ile
100 105 110

Glu Lys Ile Glu Asp Met Asp Asp Asn Cys Tyr Leu Lys Leu Ser Cys
115 120 125

Val Ile Pro Gly Glu Ser Val Asn Tyr Thr Trp Tyr Gly Asp Lys Arg
130 135 140

Pro Phe Pro Lys Glu Leu Gln Asn Ser Val Leu Glu Thr Thr Leu Met
145 150 155 160

Pro His Asn Tyr Ser Arg Cys Tyr Thr Cys Gln Val Ser Asn Ser Val
165 170 175

Ser Ser Lys Asn Gly Thr Val Cys Leu Ser Pro Pro Cys Thr Leu Ala
180 185 190

Arg Ser

<210> 7245
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7245
Gln Val Ser His Arg Tyr Pro Arg Ile Gln Ser Ile Lys Val Gln Phe
1 5 10 15

Thr Glu Tyr Lys Lys Glu Lys Gly Phe Ile Leu Thr Ser Gln Lys Glu
20 25 30

Asp Glu Ile Met Lys Val Gln Asn Asn Ser Val Ile Ile Asn Cys Asp
35 40 45

Gly Phe Tyr Leu Ile Ser Leu Lys Gly Tyr Phe Ser Gln Glu Val Asn
    50                  55                  60

Ile Ser Leu His Tyr Gln Lys Asp Glu Glu Pro Leu Phe Gln Leu Lys
65                  70                  75                  80

Lys Val Arg Ser Val Asn Ser Leu Met Val Ala Ser Leu Thr Tyr Lys
                85                  90                  95

Asp Lys Val Tyr Leu Asn Val Thr Thr Asp Asn Thr Ser Leu Asp Asp
            100                 105                 110

Phe His Val Asn Gly Gly Glu Leu Ile Leu Ile His Gln Asn Pro Gly
        115                 120                 125

Glu Phe Cys Val Leu
    130

<210> 7246
<211> 149
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7246
Met Gln Lys Gly Asp Gln Asn Pro Gln Ile Ala Ala His Val Ile Ser
1               5                   10                  15

Glu Ala Ser Ser Lys Thr Thr Ser Val Leu Gln Trp Ala Glu Lys Gly
            20                  25                  30

Tyr Tyr Thr Met Ser Asn Asn Leu Val Thr Leu Glu Asn Gly Lys Gln
        35                  40                  45

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

Phe Cys Ser Asn Arg Glu Ala Ser Ser Gln Ala Pro Phe Ile Ala Ser

65 70 75 80

Leu Cys Leu Lys Ser Pro Gly Arg Phe Glu Arg Ile Leu Leu Arg Ala
85 90 95

Ala Asn Thr His Ser Ser Ala Lys Pro Cys Gly Gln Gln Ser Ile His
100 105 110

Leu Gly Gly Val Phe Glu Leu Gln Pro Gly Ala Ser Val Phe Val Asn
115 120 125

Val Thr Asp Pro Ser Gln Val Ser His Gly Thr Gly Phe Thr Ser Phe
130 135 140

Gly Leu Leu Lys Leu
145

<210> 7247
<211> 205
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7247
Ala Cys Pro Trp Ala Val Ser Gly Ala Arg Ala Ser Pro Gly Ser Ala
1 5 10 15

Ala Ser Pro Arg Leu Arg Glu Gly Pro Glu Leu Ser Pro Asp Asp Pro
20 25 30

Ala Gly Leu Leu Asp Leu Arg Gln Gly Met Phe Ala Gln Leu Val Ala
35 40 45

Gln Asn Val Leu Leu Ile Asp Gly Pro Leu Ser Trp Tyr Ser Asp Pro
50 55 60

Gly Leu Ala Gly Val Ser Leu Thr Gly Gly Leu Ser Tyr Lys Glu Asp
65 70 75 80

```
Thr Lys Glu Leu Val Val Ala Lys Ala Gly Val Tyr Tyr Val Phe Phe
                85                  90                  95


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


Ser Leu Ala Leu His Leu Gln Pro Leu Arg Ser Ala Ala Gly Ala Ala
        115                 120                 125


Ala Leu Ala Leu Thr Val Asp Leu Pro Pro Ala Ser Ser Glu Ala Arg
    130                 135                 140


Asn Ser Ala Phe Gly Phe Gln Gly Arg Leu Leu His Leu Ser Ala Gly
145                 150                 155                 160


Gln Arg Leu Gly Val His Leu His Thr Glu Ala Arg Ala Arg His Ala
                165                 170                 175


Trp Gln Leu Thr Gln Gly Ala Thr Val Leu Gly Leu Phe Arg Val Thr
            180                 185                 190


Pro Glu Ile Pro Ala Gly Leu Pro Ser Pro Arg Ser Glu
        195                 200                 205


<210> 7248
<211> 455
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7248
Leu Asn Phe Arg Ala Pro Pro Val Ile Pro Asn Val Pro Phe Leu Trp
1               5                   10                  15


Ala Trp Asn Ala Pro Ser Glu Phe Cys Leu Gly Lys Phe Asp Glu Pro
            20                  25                  30


Leu Asp Met Ser Leu Phe Ser Phe Ile Gly Ser Pro Arg Ile Asn Ala
```

```
        35                  40                  45

Thr Gly Gln Gly Val Thr Ile Phe Tyr Val Asp Arg Leu Gly Tyr Tyr
    50                  55                  60

Pro Tyr Ile Asp Ser Ile Thr Gly Val Thr Val Asn Gly Gly Ile Pro
65                  70                  75                  80

Gln Lys Ile Ser Leu Gln Asp His Leu Asp Lys Ala Lys Lys Asp Ile
                85                  90                  95

Thr Phe Tyr Met Pro Val Asp Asn Leu Gly Met Ala Val Ile Asp Trp
            100                 105                 110

Glu Glu Trp Arg Pro Thr Trp Ala Arg Asn Trp Lys Pro Lys Asp Val
        115                 120                 125

Tyr Lys Asn Arg Ser Ile Glu Leu Val Gln Gln Gln Asn Val Gln Leu
    130                 135                 140

Ser Leu Thr Glu Ala Thr Glu Lys Ala Lys Gln Glu Phe Glu Lys Ala
145                 150                 155                 160

Gly Lys Asp Phe Leu Val Glu Thr Ile Lys Leu Gly Lys Leu Leu Arg
                165                 170                 175

Pro Asn His Leu Trp Gly Tyr Tyr Leu Phe Pro Asp Cys Tyr Asn His
            180                 185                 190

His Tyr Lys Lys Pro Gly Tyr Asn Gly Ser Cys Phe Asn Val Glu Ile
        195                 200                 205

Lys Arg Asn Asp Asp Leu Ser Trp Leu Trp Asn Glu Ser Thr Ala Leu
    210                 215                 220

Tyr Pro Ser Ile Tyr Leu Asn Thr Gln Gln Ser Pro Val Ala Ala Thr
225                 230                 235                 240

Leu Tyr Val Arg Asn Arg Val Arg Glu Ala Ile Arg Val Ser Lys Ile
                245                 250                 255
```

```
Pro Asp Ala Lys Ser Pro Leu Pro Val Phe Ala Tyr Thr Arg Ile Val
            260                 265                 270

Phe Thr Asp Gln Val Leu Lys Phe Leu Ser Gln Asp Glu Leu Val Tyr
        275                 280                 285

Thr Phe Gly Glu Thr Val Ala Leu Gly Ala Ser Gly Ile Val Ile Trp
    290                 295                 300

Gly Thr Leu Ser Ile Met Arg Ser Met Lys Ser Cys Leu Leu Leu Asp
305                 310                 315                 320

Asn Tyr Met Glu Thr Ile Leu Asn Pro Tyr Ile Ile Asn Val Thr Leu
                325                 330                 335

Ala Ala Lys Met Cys Ser Gln Val Leu Cys Gln Glu Gln Gly Val Cys
            340                 345                 350

Ile Arg Lys Asn Trp Asn Ser Ser Asp Tyr Leu His Leu Asn Pro Asp
        355                 360                 365

Asn Phe Ala Ile Gln Leu Glu Lys Gly Gly Lys Phe Thr Val Arg Gly
    370                 375                 380

Lys Pro Thr Leu Glu Asp Leu Glu Gln Phe Ser Glu Lys Phe Tyr Cys
385                 390                 395                 400

Ser Cys Tyr Ser Thr Leu Ser Cys Lys Glu Lys Ala Asp Val Lys Asp
                405                 410                 415

Thr Asp Ala Val Asp Val Cys Ile Ala Asp Gly Val Cys Ile Asp Ala
            420                 425                 430

Phe Leu Lys Pro Pro Met Glu Thr Glu Glu Pro Gln Ile Phe Tyr Asn
        435                 440                 445

Ala Ser Pro Ser Thr Leu Ser
    450                 455
```

<210> 7249
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7249
Gly Gly Gly Gly Ser
1 5

<210> 7250
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7250
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10

<210> 7251
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7251
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 7252
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 7252
Asp Val Pro Ser Gly Pro Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly
1               5                   10                  15

Ser

<210> 7253
<211> 413
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7253
Phe Arg Gly Pro Leu Leu Pro Asn Arg Pro Phe Thr Thr Val Trp Asn
1               5                   10                  15

Ala Asn Thr Gln Trp Cys Leu Glu Arg His Gly Val Asp Val Asp Val
            20                  25                  30

Ser Val Phe Asp Val Val Ala Asn Pro Gly Gln Thr Phe Arg Gly Pro
        35                  40                  45

Asp Met Thr Ile Phe Tyr Ser Ser Gln Gly Thr Tyr Pro Tyr Tyr Thr
    50                  55                  60

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

Ile Ala His Leu Ala Arg Thr Phe Gln Asp Ile Leu Ala Ala Ile Pro
                85                  90                  95

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

Pro Arg Trp Ala Phe Asn Trp Asp Thr Lys Asp Ile Tyr Arg Gln Arg
        115                 120                 125

```
Ser Arg Ala Leu Val Gln Ala Gln His Pro Asp Trp Pro Ala Pro Gln
    130                 135                 140

Val Glu Ala Val Ala Gln Asp Gln Phe Gln Gly Ala Ala Arg Ala Trp
145                 150                 155                 160

Met Ala Gly Thr Leu Gln Leu Gly Arg Ala Leu Arg Pro Arg Gly Leu
                165                 170                 175

Trp Gly Phe Tyr Gly Phe Pro Asp Cys Tyr Asn Tyr Asp Phe Leu Ser
            180                 185                 190

Pro Asn Tyr Thr Gly Gln Cys Pro Ser Gly Ile Arg Ala Gln Asn Asp
        195                 200                 205

Gln Leu Gly Trp Leu Trp Gly Gln Ser Arg Ala Leu Tyr Pro Ser Ile
    210                 215                 220

Tyr Met Pro Ala Val Leu Glu Gly Thr Gly Lys Ser Gln Met Tyr Val
225                 230                 235                 240

Gln His Arg Val Ala Glu Ala Phe Arg Val Ala Val Ala Ala Gly Asp
                245                 250                 255

Pro Asn Leu Pro Val Leu Pro Tyr Val Gln Ile Phe Tyr Asp Thr Thr
            260                 265                 270

Asn His Phe Leu Pro Leu Asp Glu Leu Glu His Ser Leu Gly Glu Ser
        275                 280                 285

Ala Ala Gln Gly Ala Ala Gly Val Val Leu Trp Val Ser Trp Glu Asn
    290                 295                 300

Thr Arg Thr Lys Glu Ser Cys Gln Ala Ile Lys Glu Tyr Met Asp Thr
305                 310                 315                 320

Thr Leu Gly Pro Phe Ile Leu Asn Val Thr Ser Gly Ala Leu Leu Cys
                325                 330                 335
```

Ser Gln Ala Leu Cys Ser Gly His Gly Arg Cys Val Arg Arg Thr Ser
340 345 350

His Pro Lys Ala Leu Leu Leu Leu Asn Pro Ala Ser Phe Ser Ile Gln
355 360 365

Leu Thr Pro Gly Gly Gly Pro Leu Ser Leu Arg Gly Ala Leu Ser Leu
370 375 380

Glu Asp Gln Ala Gln Met Ala Val Glu Phe Lys Cys Arg Cys Tyr Pro
385 390 395 400

Gly Trp Gln Ala Pro Trp Cys Glu Arg Lys Ser Met Trp
405 410

<210> 7254
<211> 551
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7254
Tyr Asn Phe Phe Pro Arg Lys Pro Lys Trp Asp Lys Asn Gln Ile Thr
1 5 10 15

Tyr Arg Ile Ile Gly Tyr Thr Pro Asp Leu Asp Pro Glu Thr Val Asp
20 25 30

Asp Ala Phe Ala Arg Ala Phe Gln Val Trp Ser Asp Val Thr Pro Leu
35 40 45

Arg Phe Ser Arg Ile His Asp Gly Glu Ala Asp Ile Met Ile Asn Phe
50 55 60

Gly Arg Trp Glu His Gly Asp Gly Tyr Pro Phe Asp Gly Lys Asp Gly
65 70 75 80

Leu Leu Ala His Ala Phe Ala Pro Gly Thr Gly Val Gly Gly Asp Ser

```
                85                  90                  95

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

Arg Val Lys Tyr Gly Asn Ala Asp Gly Glu Tyr Cys Lys Phe Pro Phe
        115                 120                 125

Leu Phe Asn Gly Lys Glu Tyr Asn Ser Cys Thr Asp Thr Gly Arg Ser
    130                 135                 140

Asp Gly Phe Leu Trp Cys Ser Thr Thr Tyr Asn Phe Glu Lys Asp Gly
145                 150                 155                 160

Lys Tyr Gly Phe Cys Pro His Glu Ala Leu Phe Thr Met Gly Gly Asn
                165                 170                 175

Ala Glu Gly Gln Pro Cys Lys Phe Pro Phe Arg Phe Gln Gly Thr Ser
            180                 185                 190

Tyr Asp Ser Cys Thr Thr Glu Gly Arg Thr Asp Gly Tyr Arg Trp Cys
        195                 200                 205

Gly Thr Thr Glu Asp Tyr Asp Arg Asp Lys Lys Tyr Gly Phe Cys Pro
    210                 215                 220

Glu Thr Ala Met Ser Thr Val Gly Gly Asn Ser Glu Gly Ala Pro Cys
225                 230                 235                 240

Val Phe Pro Phe Thr Phe Leu Gly Asn Lys Tyr Glu Ser Cys Thr Ser
                245                 250                 255

Ala Gly Arg Ser Asp Gly Lys Met Trp Cys Ala Thr Thr Ala Asn Tyr
            260                 265                 270

Asp Asp Asp Arg Lys Trp Gly Phe Cys Pro Asp Gln Gly Tyr Ser Leu
        275                 280                 285

Phe Leu Val Ala Ala His Glu Phe Gly His Ala Met Gly Leu Glu His
    290                 295                 300
```

```
Ser Gln Asp Pro Gly Ala Leu Met Ala Pro Ile Tyr Thr Tyr Thr Lys
305                 310                 315                 320

Asn Phe Arg Leu Ser Gln Asp Asp Ile Lys Gly Ile Gln Glu Leu Tyr
                325                 330                 335

Gly Ala Ser Pro Asp Ile Asp Leu Gly Thr Gly Pro Thr Pro Thr Leu
            340                 345                 350

Gly Pro Val Thr Pro Glu Ile Cys Lys Gln Asp Ile Val Phe Asp Gly
        355                 360                 365

Ile Ala Gln Ile Arg Gly Glu Ile Phe Phe Phe Lys Asp Arg Phe Ile
    370                 375                 380

Trp Arg Thr Val Thr Pro Arg Asp Lys Pro Met Gly Pro Leu Leu Val
385                 390                 395                 400

Ala Thr Phe Trp Pro Glu Leu Pro Glu Lys Ile Asp Ala Val Tyr Glu
                405                 410                 415

Ala Pro Gln Glu Glu Lys Ala Val Phe Phe Ala Gly Asn Glu Tyr Trp
            420                 425                 430

Ile Tyr Ser Ala Ser Thr Leu Glu Arg Gly Tyr Pro Lys Pro Leu Thr
        435                 440                 445

Ser Leu Gly Leu Pro Pro Asp Val Gln Arg Val Asp Ala Ala Phe Asn
    450                 455                 460

Trp Ser Lys Asn Lys Lys Thr Tyr Ile Phe Ala Gly Asp Lys Phe Trp
465                 470                 475                 480

Arg Tyr Asn Glu Val Lys Lys Lys Met Asp Pro Gly Phe Pro Lys Leu
                485                 490                 495

Ile Ala Asp Ala Trp Asn Ala Ile Pro Asp Asn Leu Asp Ala Val Val
            500                 505                 510
```

Asp Leu Gln Gly Gly Gly His Ser Tyr Phe Phe Lys Gly Ala Tyr Tyr
        515                 520                 525


Leu Lys Leu Glu Asn Gln Ser Leu Lys Ser Val Lys Phe Gly Ser Ile
    530                 535                 540


Lys Ser Asp Trp Leu Gly Cys
545                 550


<210> 7255
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"


<220>
<221> SITE
<222> (2)..(26)
<223> /note="This region may encompass 2-5 'Glu Ala Ala Ala Lys'
      repeating units"

<400> 7255
Ala Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys
1               5                   10                  15


Glu Ala Ala Ala Lys Glu Ala Ala Ala Lys Ala
            20                  25


<210> 7256
<211> 455
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7256
Leu Asn Phe Arg Ala Pro Pro Val Ile Pro Asn Val Pro Phe Leu Trp
1               5                   10                  15

```
Ala Trp Asn Ala Pro Ser Glu Phe Cys Leu Gly Lys Phe Asp Glu Pro
            20                  25                  30

Leu Asp Met Ser Leu Phe Ser Phe Ile Gly Ser Pro Arg Ile Asn Ala
        35                  40                  45

Thr Gly Gln Gly Val Thr Ile Phe Tyr Val Asp Arg Leu Gly Tyr Tyr
    50                  55                  60

Pro Tyr Ile Asp Ser Ile Thr Gly Val Thr Val Asn Gly Gly Ile Pro
65                  70                  75                  80

Gln Lys Ile Ser Leu Gln Asp His Leu Asp Lys Ala Lys Lys Asp Ile
                85                  90                  95

Thr Phe Tyr Met Pro Val Asp Asn Leu Gly Met Ala Val Ile Asp Trp
            100                 105                 110

Glu Glu Trp Arg Pro Thr Trp Ala Arg Asn Trp Lys Pro Lys Asp Val
        115                 120                 125

Tyr Lys Asn Arg Ser Ile Glu Leu Val Gln Gln Gln Asn Val Gln Leu
    130                 135                 140

Ser Leu Thr Glu Ala Thr Glu Lys Ala Lys Gln Glu Phe Glu Lys Ala
145                 150                 155                 160

Gly Lys Asp Phe Leu Val Glu Thr Ile Lys Leu Gly Lys Leu Leu Arg
                165                 170                 175

Pro Asn His Leu Trp Gly Tyr Tyr Leu Phe Pro Asp Cys Tyr Asn His
            180                 185                 190

His Tyr Lys Lys Pro Gly Tyr Asn Gly Ser Cys Phe Asn Val Glu Ile
        195                 200                 205

Lys Arg Asn Asp Asp Leu Ser Trp Leu Trp Asn Glu Ser Thr Ala Leu
    210                 215                 220
```

```
Tyr Pro Ser Ile Tyr Leu Asn Thr Gln Gln Ser Pro Val Ala Ala Thr
225                 230                 235                 240

Leu Tyr Val Arg Asn Arg Val Arg Glu Ala Ile Arg Val Ser Lys Ile
                245                 250                 255

Pro Asp Ala Lys Ser Pro Leu Pro Val Phe Ala Tyr Thr Arg Ile Val
            260                 265                 270

Phe Thr Asp Gln Val Leu Lys Phe Leu Ser Gln Asp Glu Leu Val Tyr
        275                 280                 285

Thr Phe Gly Glu Thr Val Ala Leu Gly Ala Ser Gly Ile Val Ile Trp
    290                 295                 300

Gly Thr Leu Ser Ile Met Arg Ser Met Lys Ser Cys Leu Leu Leu Asp
305                 310                 315                 320

Asn Tyr Met Glu Thr Ile Leu Asn Pro Tyr Ile Ile Asn Val Thr Leu
                325                 330                 335

Ala Ala Lys Met Cys Ser Gln Val Leu Cys Gln Glu Gln Gly Val Cys
            340                 345                 350

Ile Arg Lys Asn Trp Asn Ser Ser Asp Tyr Leu His Leu Asn Pro Asp
        355                 360                 365

Asn Phe Ala Ile Gln Leu Glu Lys Gly Gly Lys Phe Thr Val Arg Gly
    370                 375                 380

Lys Pro Thr Leu Glu Asp Leu Glu Gln Phe Ser Glu Lys Phe Tyr Cys
385                 390                 395                 400

Ser Cys Tyr Ser Thr Leu Ser Cys Lys Glu Lys Ala Asp Val Lys Asp
                405                 410                 415

Thr Asp Ala Val Asp Val Cys Ile Ala Asp Gly Val Cys Ile Asp Ala
            420                 425                 430

Phe Leu Lys Pro Pro Met Glu Thr Glu Glu Pro Gln Ile Phe Tyr Asn
```

435 440 445

Ala Ser Pro Ser Thr Leu Ser
450 455

<210> 7257

<400> 7257
000

<210> 7258

<400> 7258
000

<210> 7259

<400> 7259
000

<210> 7260

<400> 7260
000

<210> 7261

<400> 7261
000

<210> 7262

<400> 7262
000

<210> 7263

<400> 7263
000

<210> 7264

<400> 7264
000

<210> 7265

<400> 7265
000

<210> 7266

<400> 7266
000

<210> 7267

<400> 7267
000

<210> 7268

<400> 7268
000

<210> 7269

<400> 7269
000

<210> 7270

<400> 7270
000

<210> 7271

<400> 7271
000

<210> 7272

<400> 7272
000

<210> 7273

<400> 7273

000

<210> 7274

<400> 7274
000

<210> 7275

<400> 7275
000

<210> 7276

<400> 7276
000

<210> 7277

<400> 7277
000

<210> 7278

<400> 7278
000

<210> 7279

<400> 7279
000

<210> 7280

<400> 7280
000

<210> 7281

<400> 7281
000

<210> 7282

<400> 7282
000

<210> 7283

<400> 7283
000

<210> 7284

<400> 7284
000

<210> 7285

<400> 7285
000

<210> 7286

<400> 7286
000

<210> 7287

<400> 7287
000

<210> 7288

<400> 7288
000

<210> 7289

<400> 7289
000

<210> 7290

<400> 7290
000

<210> 7291

<400> 7291
000

<210> 7292
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7292
Gly Ile Pro Asp Gln Phe Ser Gly Ser Asn Ser Gly Asn Ile Ala Thr
1 5 10 15

Leu Thr Ile Ser Lys Ala Gln Ala Gly Tyr Glu Ala Asp Tyr Tyr Cys
20 25 30

<210> 7293
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7293
Gln Ser Trp Asp Ser Thr Asn Ser Ala Val
1 5 10

<210> 7294
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7294
Ser Tyr Thr Leu Thr Gln Pro Pro Leu Leu Ser Val Ala Leu Gly His
1 5 10 15

```
Lys Ala Thr Ile Thr Cys Ser Gly Glu Arg Leu Ser Asp Lys Tyr Val
            20                  25                  30

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

Glu Asn Asp Lys Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
    50                  55                  60

Asn Ser Gly Asn Ile Ala Thr Leu Thr Ile Ser Lys Ala Gln Ala Gly
65                  70                  75                  80

Tyr Glu Ala Asp Tyr Tyr Cys Gln Ser Trp Asp Ser Thr Asn Ser Ala
                85                  90                  95

Val Phe Gly Ser Gly Thr Gln Leu Thr Val Leu
            100                 105


<210> 7295
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7295
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1               5                   10                  15

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

Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Val Glu
        35                  40                  45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Thr Thr Lys Tyr Asn Pro Ser
    50                  55                  60

Leu Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe
```

65 70 75 80

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

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

Met Val Ala Val Ser Ser
115

<210> 7296
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7296
Ser Tyr Thr Leu Thr Gln Pro Pro Leu Val Ser Val Ala Leu Gly Gln
1 5 10 15

Lys Ala Thr Ile Ile Cys Ser Gly Glu Asn Leu Ser Asp Lys Tyr Val
20 25 30

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

Glu Asn Asp Lys Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Ile Ala Thr Leu Thr Ile Ser Lys Ala Gln Ala Gly
65 70 75 80

Tyr Glu Ala Asp Tyr Tyr Cys His Cys Trp Asp Ser Thr Asn Ser Ala
85 90 95

Val Phe Gly Ser Gly Thr His Leu Thr Val Leu
100 105

<210> 7297
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7297
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
35 40 45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Arg Tyr Asn Pro Ser
50 55 60

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

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

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

Leu Val Ala Val Ser Ser
115

<210> 7298
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7298
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1               5                   10                  15

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

Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
        35                  40                  45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60

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

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

Cys Ala Arg Gly Asp Trp His Tyr Phe Asp Tyr Trp Gly Pro Gly Thr
            100                 105                 110

Met Val Thr Val Ser Ser
        115

<210> 7299
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7299
Ser Phe Thr Leu Thr Gln Pro Pro Leu Val Ser Val Ala Val Gly Gln
1               5                   10                  15

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

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


Glu Asn Asp Arg Arg Pro Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser
    50                  55                  60


Asn Ser Gly Asn Ile Ala Ser Leu Thr Ile Ser Lys Ala Gln Ala Gly
65                  70                  75                  80


Asp Glu Ala Asp Tyr Phe Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala
                85                  90                  95


Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
            100                 105


<210> 7300
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7300
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1               5                   10                  15


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


Gly Tyr His Trp Asn Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
        35                  40                  45


Trp Ile Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60


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


Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
                85                  90                  95
```

```
Cys Ala Arg Gly Asp Trp His Tyr Phe Asp Tyr Trp Gly Gln Gly Thr
            100                 105                 110


Met Val Thr Val Ser Ser
        115


<210> 7301
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7301
Gln Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1               5                   10                  15


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


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


Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60


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


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


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


Met Val Thr Val Ser Ser
        115
```

<210> 7302
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7302
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
50 55 60

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

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

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

Met Val Thr Val Ser Ser
115

<210> 7303
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7303
Glu Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15

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

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

Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60

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

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

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

Met Val Thr Val Ser Ser
        115

<210> 7304
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7304
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Thr Thr Thr
            20                  25                  30

Gly Tyr His Trp Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu

```
        35                  40                  45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60

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

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

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

Met Val Thr Val Ser Ser
        115


<210> 7305
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7305
Ser Ser Glu Thr Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1               5                   10                  15

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

His Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Met Val Ile Tyr
        35                  40                  45

Glu Asn Asp Arg Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
    50                  55                  60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met
65                  70                  75                  80
```

Asp Glu Ala Asp Tyr Phe Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala
85 90 95

Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
100 105

<210> 7306
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7306
Ser Ser Glu Thr Thr Gln Pro His Ser Val Ser Val Ala Thr Ala Gln
1 5 10 15

Met Ala Arg Ile Thr Cys Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Gln Asp Pro Val Met Val Ile Tyr
35 40 45

Glu Asn Asp Arg Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

Asn Pro Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Ile Glu Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Phe Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala
85 90 95

Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
100 105

<210> 7307
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7307
Gln Ser Val Thr Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val
20 25 30

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
35 40 45

Glu Asn Asp Arg Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu
65 70 75 80

Asp Glu Ala Asp Tyr Phe Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala
85 90 95

Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
100 105

<210> 7308
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7308
Gln Ser Val Thr Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val
20 25 30

```
His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Met Leu Ile Tyr
        35                  40                  45


Glu Asn Asp Arg Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
    50                  55                  60


Asn Ser Gly Asn Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu
65                  70                  75                  80


Asp Glu Ala Asp Tyr Phe Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala
                85                  90                  95


Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu
            100                 105


<210> 7309
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7309
Asp Ser Val Thr Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1               5                   10                  15


Gln Pro Ala Ser Ile Ser Cys Ser Gly Glu Lys Leu Ser Asp Lys Tyr
            20                  25                  30


Val His Trp Tyr Gln Gln Arg Pro Gly Gln Ser Pro Arg Met Leu Ile
        35                  40                  45


Tyr Glu Asn Asp Arg Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
    50                  55                  60


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


Glu Asp Val Gly Val Tyr Phe Cys Gln Phe Trp Asp Ser Thr Asn Ser
                85                  90                  95
```

Ala Val Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 7310
<211> 245
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7310
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
50 55 60

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

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

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

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Ser Glu Thr Thr Gln
130 135 140

```
Pro Pro Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ser Ile Thr Cys
145                 150                 155                 160


Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val His Trp Tyr Gln Gln Lys
                165                 170                 175


Pro Gly Gln Ser Pro Val Met Val Ile Tyr Glu Asn Asp Arg Arg Pro
            180                 185                 190


Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala
        195                 200                 205


Thr Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Phe
    210                 215                 220


Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala Val Phe Gly Gly Gly Thr
225                 230                 235                 240


Gln Leu Thr Val Leu
                245
```

<210> 7311
<211> 246
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7311

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


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


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


Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60
```

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

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

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

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
        115                 120                 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ser Val Thr Thr Gln
    130                 135                 140

Ser Pro Leu Ser Leu Pro Val Thr Leu Gly Gln Pro Ala Ser Ile Ser
145                 150                 155                 160

Cys Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val His Trp Tyr Gln Gln
                165                 170                 175

Arg Pro Gly Gln Ser Pro Arg Met Leu Ile Tyr Glu Asn Asp Arg Arg
            180                 185                 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Asp
        195                 200                 205

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

Phe Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala Val Phe Gly Gly Gly
225                 230                 235                 240

Thr Lys Val Glu Ile Lys
                245
```

<210> 7312
<211> 32
<212> PRT

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7312
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

<210> 7313
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7313
Gly Tyr His Trp Asn
1 5

<210> 7314
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7314
Trp Ile Arg Gln Phe Pro Gly Lys Lys Val Glu Trp Met Gly
1 5 10

<210> 7315
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7315
Gly Asp Trp His Tyr Phe Asp Tyr
1 5

<210> 7316
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7316
Trp Gly Gln Gly Thr Met Val Ala Val Ser Ser
1 5 10

<210> 7317
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7317
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

<210> 7318
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7318

Tyr Ile Tyr Ser Ser Gly Ser Thr Arg Tyr Asn Pro Ser Leu Lys Ser
1               5                   10                  15

<210> 7319
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7319
Arg Phe Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe Leu Gln
1               5                   10                  15

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

<210> 7320
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7320
Ser Tyr Thr Leu Thr Gln Pro Pro Leu Val Ser Val Ala Leu Gly Gln
1               5                   10                  15

Lys Ala Thr Ile Ile Cys
            20

<210> 7321
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7321

His Cys Trp Asp Ser Thr Asn Ser Ala Val
1 5 10

<210> 7322
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7322
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

<210> 7323
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7323
Arg Phe Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe Leu Gln
1 5 10 15

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

<210> 7324
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 7324

Trp Gly Pro Gly Thr Met Val Thr Val Ser Ser
1               5                   10


<210> 7325
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7325
Ser Phe Thr Leu Thr Gln Pro Pro Leu Val Ser Val Ala Val Gly Gln
1               5                   10                  15


Val Ala Thr Ile Thr Cys
            20


<210> 7326
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7326
Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val His
1               5                   10


<210> 7327
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7327
Glu Asn Asp Arg Arg Pro Ser
1               5

<210> 7328
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7328
Gly Ile Pro Asp Gln Phe Ser Gly Ser Asn Ser Gly Asn Ile Ala Ser
1 5 10 15

Leu Thr Ile Ser Lys Ala Gln Ala Gly Asp Glu Ala Asp Tyr Phe Cys
20 25 30

<210> 7329
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7329
Gln Phe Trp Asp Ser Thr Asn Ser Ala Val
1 5 10

<210> 7330
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7330
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

<210> 7331
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7331
Gln Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

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

<210> 7332
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7332
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

<210> 7333
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7333
Glu Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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


<210> 7334
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7334
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Thr Thr Thr
            20                  25                  30


<210> 7335
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7335
Ser Ser Glu Thr Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
1               5                   10                  15


Thr Ala Ser Ile Thr Cys
            20


<210> 7336
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7336

Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr
1               5                   10                  15

Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Phe Cys
            20                  25                  30

<210> 7337
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7337
Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Pro Gly Asn Thr Ala Thr
1               5                   10                  15

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

<210> 7338
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7338
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Ser Ala Ser
1               5                   10                  15

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

<210> 7339
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7339
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Ser Ala Ser
1 5 10 15

Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Phe Cys
20 25 30

<210> 7340
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7340
Asp Ser Val Thr Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys
20

<210> 7341
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7341
Trp Tyr Gln Gln Arg Pro Gly Gln Ser Pro Arg Met Leu Ile Tyr
1 5 10 15

<210> 7342
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7342
Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Asp Ala Thr
1 5 10 15

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys
20 25 30

<210> 7343
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7343
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
50 55 60

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

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
100 105 110

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

<210> 7344
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7344
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
50 55 60

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

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
100 105 110

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

<210> 7345
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polypeptide"

<400> 7345
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr
            20                  25                  30

<210> 7346
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7346
Gly Tyr Val Met His
1               5

<210> 7347
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7347
Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
1               5                   10

<210> 7348
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7348
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr
20 25 30

<210> 7349
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7349
Arg Val Thr Met Thr Ser Asp Lys Ser Ile Thr Thr Ala Tyr Met Glu
1 5 10 15

Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala Arg
20 25 30

<210> 7350
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7350
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser Gly Tyr
20 25 30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
50 55 60

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


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


Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
            100                 105                 110


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


<210> 7351
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7351
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
            20                  25                  30


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


Gly Phe Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
    50                  55                  60


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


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


Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
            100                 105                 110
```

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


<210> 7352
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7352
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser Gly Tyr
            20                  25                  30


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


Gly Phe Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
    50                  55                  60


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


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


Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
            100                 105                 110


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


<210> 7353
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7353
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser
            20                  25                  30

<210> 7354
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7354
Gly Tyr Ala Ile Ser
1               5

<210> 7355
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7355
Phe Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln
1               5                   10                  15

Gly

<210> 7356
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7356
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Tyr
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 7357
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7357
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val Tyr Ser
20 25 30

```
Asp Gly Asn Thr Tyr His Trp Tyr Gln Gln Arg Pro Gly Gln Ser Pro
        35                  40                  45

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

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

Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys Ser Gln Ser Thr
                85                  90                  95

His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105                 110
```

<210> 7358
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7358

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

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Gln Gln Arg Pro Gly Gln Ser
        35                  40                  45

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

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

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys Ser Gln Ser
```

85 90 95

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 7359
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7359
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Gln Gln Arg Pro Gly Gln Ser
35 40 45

Pro Arg Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Val Pro
50 55 60

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

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys Met Gln Ser
85 90 95

Thr His Trp Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 7360
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7360
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val Tyr Ser
20 25 30

Asp Gly Asn Thr Tyr His Trp Tyr Gln Gln Arg Pro Gly Gln Ser Pro
35 40 45

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

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

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

His Trp Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

<210> 7361
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7361
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys
20

<210> 7362
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7362
Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu Asn
1 5 10

<210> 7363
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7363
Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
1 5 10 15

<210> 7364
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7364
Ala Ala Ser Ser Leu Gln Ser
1 5

<210> 7365
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7365
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
1               5                   10                  15

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
            20                  25                  30

<210> 7366
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7366
Gln Gln Ser Tyr Ser Thr Pro Tyr Thr
1               5

<210> 7367
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7367
Arg Ser Ser Gln Ser Leu Val Tyr Ser Asp Gly Asn Thr Tyr His
1               5                   10                  15

<210> 7368
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 7368
Lys Val Ser Asn Arg Asp Ser
1               5

<210> 7369
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7369
Met Gln Ser Thr His Trp Pro Tyr Thr
1 5

<210> 7370
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7370
Glu Val Arg Leu Gln Gln Ser Gly Pro Asp Leu Ile Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr
20 25 30

<210> 7371
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7371
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15

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

<210> 7372
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7372
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

<210> 7373
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7373
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

<210> 7374
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7374
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Asn Thr Gly
            20                  25                  30


<210> 7375
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7375
Glu Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


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


<210> 7376
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7376
Gln Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Val Ser Gly Phe Ser Ile Asn Thr Gly
            20                  25                  30


<210> 7377
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7377
Gln Ile Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1               5                   10                  15

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

<210> 7378
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7378
Glu Ile Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Thr Val Lys Ile Ser Cys Lys Val Ser Gly Phe Ser Ile Asn Thr Gly
            20                  25                  30

<210> 7379
<211> 454
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      polypeptide"

<400> 7379
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
            20                  25                  30

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

Gly Phe Ile Asn Pro Tyr Asn Asp Asp Ile Gln Ser Asn Glu Arg Phe
    50                  55                  60

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

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
            100                 105                 110

Phe Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys
        115                 120                 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
    130                 135                 140

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145                 150                 155                 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
                165                 170                 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
            180                 185                 190

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
        195                 200                 205

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro
    210                 215                 220

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
225                 230                 235                 240

Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
                245                 250                 255

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
            260                 265                 270
```

```
Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
        275                 280                 285

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Ala
    290                 295                 300

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
305                 310                 315                 320

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
                325                 330                 335

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
            340                 345                 350

Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met Thr Lys Asn
        355                 360                 365

Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
    370                 375                 380

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
385                 390                 395                 400

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
                405                 410                 415

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
            420                 425                 430

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
        435                 440                 445

Ser Leu Ser Pro Gly Lys
    450
```

<210> 7380
<211> 219
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7380
Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Arg Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Gln Gln Arg Pro Gly Gln Ser
35 40 45

Pro Arg Leu Leu Ile Tyr Arg Val Ser Asn Arg Phe Pro Gly Val Pro
50 55 60

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

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105 110

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
115 120 125

Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe
130 135 140

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
145 150 155 160

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
165 170 175

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
180 185 190

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
195 200 205

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
210 215

<210> 7381
<211> 472
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7381
Gln Ile Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

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

Gly Tyr His Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Lys Leu Glu
35 40 45

Trp Met Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
50 55 60

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

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

Cys Ala Arg Gly Asp Trp His Tyr Phe Asp Tyr Trp Gly Pro Gly Thr
100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
115 120 125

```
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Phe Thr Leu Thr Gln
    130                 135                 140

Pro Pro Leu Val Ser Val Ala Val Gly Gln Val Ala Thr Ile Thr Cys
145                 150                 155                 160

Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val His Trp Tyr Gln Gln Lys
                165                 170                 175

Pro Gly Arg Ala Pro Val Met Val Ile Tyr Glu Asn Asp Arg Arg Pro
            180                 185                 190

Ser Gly Ile Pro Asp Gln Phe Ser Gly Ser Asn Ser Gly Asn Ile Ala
        195                 200                 205

Ser Leu Thr Ile Ser Lys Ala Gln Ala Gly Asp Glu Ala Asp Tyr Phe
    210                 215                 220

Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala Val Phe Gly Gly Gly Thr
225                 230                 235                 240

Gln Leu Thr Val Leu Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
                245                 250                 255

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
            260                 265                 270

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
        275                 280                 285

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
    290                 295                 300

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
305                 310                 315                 320

Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
                325                 330                 335

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
```

340 345 350

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
355 360 365

Arg Glu Pro Gln Val Cys Thr Leu Pro Pro Ser Arg Glu Glu Met Thr
370 375 380

Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser
385 390 395 400

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
405 410 415

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val
420 425 430

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
435 440 445

Ser Cys Ser Val Met His Glu Ala Leu His Asn Arg Phe Thr Gln Lys
450 455 460

Ser Leu Ser Leu Ser Pro Gly Lys
465 470

<210> 7382
<211> 454
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polypeptide"

<400> 7382
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

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

Gly Phe Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
    50                  55                  60

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

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

Ala Arg Gly Ala Gly Tyr Asn Phe Asp Gly Ala Tyr Arg Phe Phe Asp
            100                 105                 110

Phe Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys
        115                 120                 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
    130                 135                 140

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145                 150                 155                 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
                165                 170                 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
            180                 185                 190

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
        195                 200                 205

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro
    210                 215                 220

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
225                 230                 235                 240
```

```
Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
                245                 250                 255

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
            260                 265                 270

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
        275                 280                 285

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Ala
    290                 295                 300

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
305                 310                 315                 320

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
                325                 330                 335

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
            340                 345                 350

Pro Gln Val Tyr Thr Leu Pro Pro Cys Arg Glu Glu Met Thr Lys Asn
        355                 360                 365

Gln Val Ser Leu Trp Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
    370                 375                 380

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
385                 390                 395                 400

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
                405                 410                 415

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
            420                 425                 430

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
        435                 440                 445

Ser Leu Ser Pro Gly Lys
```

450

<210> 7383
<211> 473
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7383
Glu Ile Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
50 55 60

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

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

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

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ser Val Thr Thr Gln
130 135 140

Ser Pro Leu Ser Leu Pro Val Thr Leu Gly Gln Pro Ala Ser Ile Ser
145 150 155 160

```
Cys Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val His Trp Tyr Gln Gln
                165                 170                 175

Arg Pro Gly Gln Ser Pro Arg Met Leu Ile Tyr Glu Asn Asp Arg Arg
            180                 185                 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Asp
        195                 200                 205

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

Phe Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala Val Phe Gly Gly Gly
225                 230                 235                 240

Thr Lys Val Glu Ile Lys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
                245                 250                 255

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
            260                 265                 270

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
        275                 280                 285

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
    290                 295                 300

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
305                 310                 315                 320

Gln Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
                325                 330                 335

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
            340                 345                 350

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
        355                 360                 365
```

```
Pro Arg Glu Pro Gln Val Cys Thr Leu Pro Pro Ser Arg Glu Glu Met
    370                 375                 380

Thr Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro
385                 390                 395                 400

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
                405                 410                 415

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
            420                 425                 430

Val Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
        435                 440                 445

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
    450                 455                 460

Lys Ser Leu Ser Leu Ser Pro Gly Lys
465                 470
```

<210> 7384
<211> 472
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polypeptide"

<400> 7384

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

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

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

Trp Val Gly Tyr Ile Tyr Ser Ser Gly Ser Thr Ser Tyr Asn Pro Ser
    50                  55                  60
```

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

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

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

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
        115                 120                 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Ser Glu Thr Thr Gln
    130                 135                 140

Pro Pro Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ser Ile Thr Cys
145                 150                 155                 160

Ser Gly Glu Lys Leu Ser Asp Lys Tyr Val His Trp Tyr Gln Gln Lys
                165                 170                 175

Pro Gly Gln Ser Pro Val Met Val Ile Tyr Glu Asn Asp Arg Arg Pro
            180                 185                 190

Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala
        195                 200                 205

Thr Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Phe
    210                 215                 220

Cys Gln Phe Trp Asp Ser Thr Asn Ser Ala Val Phe Gly Gly Gly Thr
225                 230                 235                 240

Gln Leu Thr Val Leu Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
                245                 250                 255

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
            260                 265                 270
```

```
Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
        275                 280                 285

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
    290                 295                 300

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
305                 310                 315                 320

Tyr Ala Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
                325                 330                 335

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
            340                 345                 350

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
        355                 360                 365

Arg Glu Pro Gln Val Cys Thr Leu Pro Pro Ser Arg Glu Glu Met Thr
    370                 375                 380

Lys Asn Gln Val Ser Leu Ser Cys Ala Val Lys Gly Phe Tyr Pro Ser
385                 390                 395                 400

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
                405                 410                 415

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Val
            420                 425                 430

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
        435                 440                 445

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
    450                 455                 460

Ser Leu Ser Leu Ser Pro Gly Lys
465                 470
```

<210> 7385
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 7385
Tyr Ile Tyr Ser Ser Gly Thr Thr Lys Tyr Asn Pro Ser Leu Lys Ser
1 5 10 15