SEQUENCE LISTING

<110> JANSSEN BIOTECH, INC.
HAWKINS, REBECCA
JACOBS, STEVEN
SEPULVEDA, MANUEL

<120> CD8A-BINDING FIBRONECTIN TYPE III DOMAINS

<130> JBI5112WOPCT

<140> TO BE ASSIGNED
<141> 2017-12-13

<150> 62/434,017
<151> 2016-12-14

<160> 281

<170> PatentIn version 3.5

<210> 1
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<212> PRT
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<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1

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Leu Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
            20                  25                  30


Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Asn Leu Thr
        35                  40                  45


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


Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Lys Gly Gly His Arg Ser
65                  70                  75                  80
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Asn Pro Leu Ser Ala Glu Phe Thr Thr
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polypeptide

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<223> Any amino acid or absent

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1 5 10 15

Leu Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Asn Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Xaa Xaa Xaa Xaa Xaa Xaa
65 70 75 80

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85 90

<210> 3
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1 5 10 15

Leu Arg Leu Ser Trp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Asn Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Xaa Xaa Xaa Xaa Xaa Ser
65 70 75 80

Xaa Xaa Leu Ser Ala Glu Phe Thr Thr
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<210> 4
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<212> PRT
<213> Artificial Sequence

<220>
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polypeptide

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Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Lys Gly Gly His Arg Ser

65 70 75 80

Asn Pro Leu Ser Ala Ile Phe Thr Thr
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<220>
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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
        35   40   45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
    50   55   60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Xaa Xaa Xaa
65   70   75   80

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Asn Pro Leu Ser Ala Ile Phe Thr
                85   90   95

Thr

<210> 6
<211> 96
<212> PRT
<213> Artificial Sequence

<220>
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<223> Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, Tyr, or absent

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
            20   25   30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Xaa Xaa Xaa Xaa Xaa Xaa
65 70 75 80

Xaa Xaa Xaa Xaa Xaa Xaa Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 7
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<212> PRT
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<220>
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Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, Tyr, or Met

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Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, Tyr, or Met

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Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp, Tyr, or Met

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Xaa
20 25 30

Ile Xaa Tyr Xaa Glu Xaa Xaa Xaa Xaa Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Xaa Val Xaa Ile Xaa Gly Val Lys Gly Gly Xaa Xaa Ser
65 70 75 80

Xaa Pro Leu Ser Ala Ile Phe Thr Thr
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<210> 8
<211> 89
<212> PRT
<213> Artificial Sequence

<220>
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<221> MOD_RES
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Asn, Pro, Gln, Arg, Ser, Thr, Val, or Trp

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Asn, Pro, Gln, Arg, Ser, Thr, Val, or Trp

<220>
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<223> Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu,
Asn, Pro, Gln, Arg, Ser, Thr, Val, or Trp

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Xaa

20 25 30

Ile Xaa Tyr Xaa Glu Xaa Xaa Xaa Xaa Gly Glu Ala Ile Xaa Leu Xaa
35 40 45

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

Thr Glu Tyr Xaa Val Xaa Ile Xaa Gly Val Lys Gly Gly Xaa Xaa Ser
65 70 75 80

Xaa Pro Leu Xaa Ala Xaa Phe Thr Thr
85

<210> 9
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<210> 10
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
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<400> 10
gcctttggga agcttctaag 20

<210> 11
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 11
cggcggttag aacgcggcta caattaatac 30

<210> 12
<211> 22
<212> DNA
<213> Artificial Sequence

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

<400> 12
catgattacg ccaagctcag aa 22

<210> 13
<211> 385
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<223> a, c, t, g, unknown or other

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ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctgaagtt accgaagact 180

ctctgcgtct gtcttggnnn nnnnnnnnnn nnnnnnnnnn nnnnttygac tctttcctga 240

tccagtacca ggaatctgaa aaagttggtg aagcgatcaa cctgaccgtt ccgggttctg 300

aacgttctta cgacctgacc ggtctgaaac cgggtaccga atacaccgtt tctatctacg 360

gtgttcttag aagcttccca aaggc 385

<210> 14
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<213> Artificial Sequence

<220>
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polynucleotide

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<222> (198)..(221)
<223> a, c, t, g, unknown or other

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ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctgaagtt accgaagact 180

ctctgcgtct gtcttggnnn nnnnnnnnnn nnnnnnnnnn nttygactct ttcctgatcc 240

agtaccagga atctgaaaaa gttggtgaag cgatcaacct gaccgttccg ggttctgaac 300

gttcttacga cctgaccggt ctgaaaccgg gtaccgaata caccgtttct atctacggtg 360

ttcttagaag cttcccaaag gc 382

<210> 15
<211> 379
<212> DNA
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<220>
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polynucleotide

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<222> (198)..(218)
<223> a, c, t, g, unknown or other

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ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctgaagtt accgaagact 180

ctctgcgtct gtcttggnnn nnnnnnnnnn nnnnnnnntt ygactctttc ctgatccagt 240

accaggaatc tgaaaaagtt ggtgaagcga tcaacctgac cgttccgggt tctgaacgtt 300

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ttagaagctt cccaaaggc 379

<210> 16
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<212> DNA
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<220>
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<222> (198)..(215)
<223> a, c, t, g, unknown or other

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ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctgaagtt accgaagact 180

ctctgcgtct gtcttggnnn nnnnnnnnnn nnnnnttyga ctctttcctg atccagtacc 240

aggaatctga aaaagttggt gaagcgatca acctgaccgt tccgggttct gaacgttctt 300

acgacctgac cggtctgaaa ccgggtaccg aatacaccgt ttctatctac ggtgttctta 360

gaagcttccc aaaggc 376

<210> 17
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

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atcggctcgt ataatgtgtg gaattgtgag cggataacaa tttcacacag gaaacaggat 120

ctaccatgct g 131

<210> 18
<211> 30
<212> DNA
<213> Artificial Sequence

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

<400> 18
cggcggttag aacgcggcta caattaatac 30

<210> 19
<211> 81
<212> DNA
<213> Artificial Sequence

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

<400> 19
ccaagacaga cgggcagagt cttcggtaac gcgagaaaca accaggtttt tcggcgccgg 60

cagcatggta gatcctgttt c 81

<210> 20
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 20

ccgaagactc tgcccgtctg tcttgg 26

<210> 21
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 21
cagtggtctc acggattcct ggtactggat caggaaagag tcgaa 45

<210> 22
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 22
catgcggtct cttccgaaaa agttggtgaa gcgatcgtcc tgaccgttcc gggt 54

<210> 23
<211> 29
<212> DNA
<213> Artificial Sequence

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

<400> 23
ggtggtgaag atcgcagaca gcgggttag 29

<210> 24
<211> 21
<212> DNA
<213> Artificial Sequence

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

<400> 24
cggcggttag aacgcggcta c 21

<210> 25
<211> 61
<212> DNA
<213> Artificial Sequence

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

<400> 25
aagatcagtt gcggccgcta gactagaacc gctgccaccg ccggtggtga agatcgcaga 60

c 61

<210> 26
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<212> DNA
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<220>
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<222> (357)..(392)
<223> a, c, t, g, unknown or other

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ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctcgcgtt accgaagact 180

ctgcgcgtct gtcttggacc gcgccggacg cggcgttcga ctctttcctg atccagtacc 240

aggaatctga aaaagttggt gaagcgatcg tgctgaccgt tccgggttct gaacgttctt 300

acgacctgac cggtctgaaa ccgggtaccg aatacaccgt ttctatctac ggtgttnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntctaaccc gctgtctgcg atcttcacca 420

ccggcggtca ccatcaccat caccatggca gcggttctag tctagcggcc gcaactgatc 480

ttggc 485

<210> 27
<211> 482
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
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<222> (357)..(389)
<223> a, c, t, g, unknown or other

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ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctcgcgtt accgaagact 180

ctgcgcgtct gtcttggacc gcgccggacg cggcgttcga ctctttcctg atccagtacc 240

aggaatctga aaaagttggt gaagcgatcg tgctgaccgt tccgggttct gaacgttctt 300

acgacctgac cggtctgaaa ccgggtaccg aatacaccgt ttctatctac ggtgttnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt ctaacccgct gtctgcgatc ttcaccaccg 420

gcggtcacca tcaccatcac catggcagcg gttctagtct agcggccgca actgatcttg 480

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<210> 28
<211> 479
<212> DNA
<213> Artificial Sequence

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

<220>
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<222> (357)..(386)
<223> a, c, t, g, unknown or other

<400> 28
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ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctcgcgtt accgaagact 180

ctgcgcgtct gtcttggacc gcgccggacg cggcgttcga ctctttcctg atccagtacc 240

aggaatctga aaaagttggt gaagcgatcg tgctgaccgt tccgggttct gaacgttctt 300

acgacctgac cggtctgaaa ccgggtaccg aatacaccgt ttctatctac ggtgttnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnntcta acccgctgtc tgcgatcttc accaccggcg 420

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<210> 29
<211> 476
<212> DNA
<213> Artificial Sequence

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

<220>
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<222> (357)..(383)
<223> a, c, t, g, unknown or other

<400> 29
gtgacacggc ggttagaacg cggctacaat taatacataa ccccatcccc ctgttgacaa 60

ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctcgcgtt accgaagact 180

ctgcgcgtct gtcttggacc gcgccggacg cggcgttcga ctctttcctg atccagtacc 240

aggaatctga aaaagttggt gaagcgatcg tgctgaccgt tccgggttct gaacgttctt 300

acgacctgac cggtctgaaa ccgggtaccg aatacaccgt ttctatctac ggtgttnnnn 360

nnnnnnnnnn nnnnnnnnnn nnntctaacc cgctgtctgc gatcttcacc accggcggtc 420

accatcacca tcaccatggc agcggttcta gtctagcggc cgcaactgat cttggc 476

<210> 30
<211> 473
<212> DNA
<213> Artificial Sequence

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

<220>
<221> modified_base
<222> (357)..(380)
<223> a, c, t, g, unknown or other

<400> 30
gtgacacggc ggttagaacg cggctacaat taatacataa ccccatcccc ctgttgacaa 60

ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctcgcgtt accgaagact 180

ctgcgcgtct gtcttggacc gcgccggacg cggcgttcga ctctttcctg atccagtacc 240

aggaatctga aaaagttggt gaagcgatcg tgctgaccgt tccgggttct gaacgttctt 300

acgacctgac cggtctgaaa ccgggtaccg aatacaccgt ttctatctac ggtgttnnnn 360

nnnnnnnnnn nnnnnnnnnn tctaacccgc tgtctgcgat cttcaccacc ggcggtcacc 420

atcaccatca ccatggcagc ggttctagtc tagcggccgc aactgatctt ggc 473

<210> 31
<211> 470
<212> DNA
<213> Artificial Sequence

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

<220>

<221> modified_base
<222> (357)..(377)
<223> a, c, t, g, unknown or other

<400> 31
gtgacacggc ggttagaacg cggctacaat taatacataa ccccatcccc ctgttgacaa 60

ttaatcatcg gctcgtataa tgtgtggaat tgtgagcgga taacaatttc acacaggaaa 120

caggatctac catgctgccg gcgccgaaaa acctggttgt ttctcgcgtt accgaagact 180

ctgcgcgtct gtcttggacc gcgccggacg cggcgttcga ctctttcctg atccagtacc 240

aggaatctga aaaagttggt gaagcgatcg tgctgaccgt tccgggttct gaacgttctt 300

acgacctgac cggtctgaaa ccgggtaccg aatacaccgt ttctatctac ggtgttnnnn 360

nnnnnnnnnn nnnnnnntct aacccgctgt ctgcgatctt caccaccggc ggtcaccatc 420

accatcacca tggcagcggt tctagtctag cggccgcaac tgatcttggc 470

<210> 32
<211> 7
<212> PRT
<213> Artificial Sequence

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

<400> 32
Lys Gly Gly His Arg Ser Asn
1 5

<210> 33
<211> 37
<212> DNA
<213> Artificial Sequence

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

<400> 33
aagaaggaga accggtatgc tgccggcgcc gaaaaac 37

<210> 34

<211> 65
<212> DNA
<213> Artificial Sequence

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

<400> 34
gagccgccgc caccggttta atggtgatgg tgatggtgac caccggtggt gaagatcgca 60

gacag 65

<210> 35
<211> 387
<212> PRT
<213> Artificial Sequence

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

<400> 35
Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly Glu
1 5 10 15

Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser Gly
20 25 30

Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr Phe
35 40 45

Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp
50 55 60

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

Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser Ala
85 90 95

Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe Leu
100 105 110

```
Pro Ala Lys Pro Thr Thr Thr Pro Ala Pro Arg Pro Pro Thr Pro Ala
        115                 120                 125

Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro Glu Ala Cys Arg
    130                 135                 140

Pro Ala Gly Ser Gly Ser Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys
145                 150                 155                 160

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
                165                 170                 175

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
            180                 185                 190

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
        195                 200                 205

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
    210                 215                 220

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
225                 230                 235                 240

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
                245                 250                 255

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
            260                 265                 270

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
        275                 280                 285

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
    290                 295                 300
```

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
305 310 315 320

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
325 330 335

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
340 345 350

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
355 360 365

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
370 375 380

Pro Gly Lys
385

<210> 36
<211> 412
<212> PRT
<213> Artificial Sequence

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

<400> 36
Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly Glu
1 5 10 15

Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser Gly
20 25 30

Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr Phe
35 40 45

Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp
50 55 60

```
Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu Thr
65                  70                  75                  80

Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser Ala
                85                  90                  95

Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe Leu
            100                 105                 110

Pro Ala Lys Pro Thr Thr Thr Pro Ala Pro Arg Pro Pro Thr Pro Ala
        115                 120                 125

Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro Glu Ala Cys Arg
    130                 135                 140

Pro Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu Asp Phe Ala Cys
145                 150                 155                 160

Asp Gly Gly Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly
                165                 170                 175

Gly Gly Ser His His His His His His Asp Lys Thr His Thr Cys Pro
            180                 185                 190

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

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
    210                 215                 220

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
225                 230                 235                 240

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
                245                 250                 255

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
            260                 265                 270
```

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Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
        275                 280                 285


Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
    290                 295                 300


Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
305                 310                 315                 320


Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
                325                 330                 335


Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
            340                 345                 350


Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
        355                 360                 365


Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
    370                 375                 380


Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
385                 390                 395                 400


Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                405                 410


<210> 37
<211> 20
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown:
      mIgGK signal peptide

<400> 37
Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1               5                   10                  15
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Gly Ser Thr Gly
            20

<210> 38
<211> 227
<212> PRT
<213> Homo sapiens

<400> 38
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 Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
    130   135   140

Leu Thr 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
225


<210> 39
<211> 24
<212> PRT
<213> Artificial Sequence

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

<400> 39
Gly Gly Gly Gly Ser Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly
1               5                   10                  15


Gly Ser His His His His His His
            20


<210> 40
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 40
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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp His Thr Ala Thr Asn Ser Phe Asp Ser Phe Leu
            20                  25                  30


Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


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


Thr Gly Arg Pro Val Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85                  90                  95


<210> 41
<211> 95
<212> PRT
<213> Artificial Sequence

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

<400> 41
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Val Lys Arg Pro Asn Ser Phe Asp Ser Phe Leu
            20                  25                  30


Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Val Asp Tyr Glu
65 70 75 80

Gly Arg Pro Arg Trp Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 42
<211> 95
<212> PRT
<213> Artificial Sequence

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

<400> 42
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ser Lys Thr Asp Ser Ser Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Val Tyr Ile Glu
65 70 75 80

Gly Asn Pro Val Phe Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 43
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 43
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Pro Glu Gly Asp Arg Pro Phe Phe Asp Ser Phe
            20   25   30

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

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

Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp Glu
65   70   75   80

Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

<210> 44
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 44
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Arg His Glu Thr Ser Phe Asp Ser Phe Leu
            20   25   30

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

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

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

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

<210> 45
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 45
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ile Pro Asn Pro Ser Ser Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Val Phe Asp Pro
65 70 75 80

Val Gly Phe Pro Ser His Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 46
<211> 96
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 46
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Arg Lys Arg Ala Asn Ser Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

His Gly Arg Pro Arg Trp Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 47
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 47
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Lys Ala Asn Arg Thr Thr Asp Leu His Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
35 40 45

```
Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
    50                  55                  60

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

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

Thr Thr
```

<210> 48
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 48

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15

Ala Arg Leu Ser Trp Asn Pro Ser Glu Asp Pro Gln Arg Phe Asp Ser
            20                  25                  30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
        35                  40                  45

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

Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp
65                  70                  75                  80

Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr
                85                  90                  95
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Thr

<210> 49
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 49
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Trp Ser Asn Asp Asn Arg Pro Ile Phe Asp Ser
20 25 30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp
65 70 75 80

Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr
85 90 95

Thr

<210> 50
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 50
Leu Pro Ala Pro Asn Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Pro Phe Val Ser Gln Asn Lys Pro His Phe Asp
            20   25   30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
        35   40   45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
    50   55   60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65   70   75   80

Trp Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe
                85   90   95

Thr Thr

<210> 51
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 51
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Gly Gln Tyr Ile Thr Ala Phe Ser Phe Asp Ser
            20   25   30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
        35   40   45

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

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

Phe Gln Gly Lys Pro Thr Trp Ser Asn Pro Leu Ser Ala Ile Phe Thr
85 90 95

Thr

<210> 52
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 52
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ile Lys Asp Gly His Pro Arg His Phe Asp Ser
20 25 30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
35 40 45

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

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

Asp Arg Gly Gln Leu Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr
85 90 95

Thr

<210> 53
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 53
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Trp Pro Arg Lys Tyr Gln Arg Pro Phe Asp Ser
20 25 30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Ile Glu Trp
65 70 75 80

Ile Gly Asn Arg Pro Ile Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr
85 90 95

Thr

<210> 54
<211> 99
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 54
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Pro Ile Ala Ser Gln Ile His Ser Pro Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
35 40 45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
50 55 60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65 70 75 80

Tyr Asp Ile Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile
85 90 95

Phe Thr Thr

<210> 55
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 55
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Lys Lys Arg Glu Tyr Gln Asp Pro Gly Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
        35   40   45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
    50   55   60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65   70   75   80

Trp Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe
                85   90   95

Thr Thr

<210> 56
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 56
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Lys
            20   25   30

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

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

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

Asn Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 57
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 57
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
20 25 30

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

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

Thr Glu Tyr Ala Val Phe Ile Trp Gly Val Lys Gly Gly Pro Leu Ser
65 70 75 80

His Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 58
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 58
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
            20   25   30

Ile Ser Tyr Pro Glu Tyr Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 59
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 59
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Ile Phe Glu Gly Glu Ala Ile Val Leu
        35   40   45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Gln
65   70   75   80

Ser Ser Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 60
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 60
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

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

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

Thr Glu Tyr Phe Val Ile Ile Trp Gly Val Lys Gly Gly Glu Thr Ser
65 70 75 80

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 61
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 61

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Thr Ala Pro Glu Ala Ala Phe Asp Ser Phe Gln
            20                  25                  30


Ile Ala Tyr Pro Glu Trp Pro Pro Pro Arg Glu Ala Ile Val Leu Thr
        35                  40                  45


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


Thr Glu Tyr Phe Val Val Ile Gln Gly Val Lys Gly Gly Glu Ile Ser
65                  70                  75                  80


Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85


<210> 62
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 62
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Arg
            20                  25                  30


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


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

Pro Gly Thr Glu Tyr Trp Val Ile Ile Trp Gly Val Lys Gly Gly Glu
65 70 75 80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 63
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 63
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Arg
20 25 30

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

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

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

Pro Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 64
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 64
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
            20   25   30

Ile Ala Tyr Thr Glu Trp Pro Ile Pro Tyr Glu Glu Ala Gly Gln Glu
        35   40   45

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

Leu Thr Gly Leu Lys Pro Gly Thr Glu Tyr Trp Val Ser Ile Tyr Gly
65   70   75   80

Val Lys Gly Gly Pro Asn Ser Gln Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

<210> 65
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 65
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Val Tyr Pro Glu Trp Pro Thr Asp Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 66
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 66
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Lys
20 25 30

Ile Ala Tyr Pro Glu Phe Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 67
<211> 89
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 67
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

Ile Ser Tyr Pro Glu Trp Pro Val Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Val Ile Tyr Gly Val Lys Gly Gly Ala Leu Ser
65 70 75 80

Val Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 68
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 68
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Thr Tyr Pro Glu Trp Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
35 40 45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65 70 75 80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 69
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 69
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Arg
20 25 30

Ile Ala Tyr Pro Glu Thr Ala Thr Trp Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 70
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 70
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

Ile Ser Tyr Pro Glu Trp Pro Pro Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Ile Ile Tyr Gly Val Lys Gly Gly Ala Ile Ser
65 70 75 80

Thr Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 71
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 71
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asn
20 25 30

Ile Phe Tyr Pro Glu Ile Val Thr Trp Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Asn Ile Val Gly Val Lys Gly Gly Asp Asn Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 72
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 72
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Ala Tyr Pro Glu Leu Pro Leu Gly Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Phe Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 73
<211> 89

<212> PRT
<213> Artificial Sequence

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

<400> 73
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Ser Tyr Pro Glu Trp Pro Val Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 74
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 74
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

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

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

Thr Glu Tyr Phe Val Val Ile Gln Gly Val Lys Gly Gly Thr Pro Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 75
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 75
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Val Ile Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Trp Val Ile Ile Gln Gly Val Lys Gly Gly Tyr Thr Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 76
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 76
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Phe Tyr Pro Glu Leu Pro Ile His Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Asn Ile Thr Gly Val Lys Gly Gly Asp Phe Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 77
<211> 99
<212> PRT
<213> Artificial Sequence

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

<400> 77
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asn
20 25 30

Ile Ala Tyr Pro Glu Ala Leu His Pro Gly Tyr Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Trp Val Ile Ile Gly Gly Val Lys Gly Gly Gln
65   70   75   80

Lys Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr Gly Gly His His His
                85   90   95

Asp His His

<210> 78
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 78
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
            20   25   30

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

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

Thr Glu Tyr Trp Val Ile Ile Tyr Gly Val Lys Gly Gly Thr Glu Ser
65   70   75   80

Glu Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 79
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 79
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 80
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 80

Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Thr Thr Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Phe Val Val Ile Trp Gly Val Lys Gly Gly Asp His Ser
65   70   75   80

Ala Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 81
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 81
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

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

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 82
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 82
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Glu
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Pro Glu Tyr Phe Val Val Ile Gln Gly Val Lys Gly Gly Asp Pro Ser
65 70 75 80

Phe Pro Leu Ser Ala Ile Phe Thr Thr Gly Gly Asn His His His His
85 90 95

His

<210> 83
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 83
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65 70 75 80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 84
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 84
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asn
20 25 30

Ile Ala Tyr Pro Glu Ala Leu His Pro Gly Tyr Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Thr
65 70 75 80

Asn Ser Glu Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 85
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 85
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
35 40 45

Ile Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly
50 55 60

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65 70 75 80

Thr Pro Leu Gly Ala Ile Phe Thr Thr
85

<210> 86
<211> 89

<212> PRT
<213> Artificial Sequence

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

<400> 86
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Thr Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
35 40 45

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

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65 70 75 80

Thr Pro Leu Gly Ala Ile Phe Thr Thr
85

<210> 87
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 87
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Thr Tyr Tyr Glu Pro Asn His Gly Gly Glu Ala Ile Ser Leu Ser
        35   40   45

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

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65   70   75   80

Thr Pro Leu Gly Ala Ile Phe Thr Thr
                85

<210> 88
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 88
Leu Ser Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
        35   40   45

Ile Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly
    50   55   60

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65   70   75   80

Thr Pro Leu Gly Ala Ile Phe Thr Thr
                85

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

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

<400> 89
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
35 40 45

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

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65 70 75 80

Thr Pro Leu Gly Thr Ile Phe Thr Thr
85

<210> 90
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 90
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
        35   40   45

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

Thr Glu Tyr Phe Val Ile Ile Val Gly Val Lys Gly Gly Tyr Pro Ser
65   70   75   80

Ile Pro Leu Gly Ala Ala Phe Thr Thr
                85

<210> 91
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 91
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
        35   40   45

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

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65   70   75   80

Thr Pro Leu Gly Ala Ile Phe Thr Thr
                85

<210> 92
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 92
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ile Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
20 25 30

Ile Ala Tyr Val Glu Ala Glu Leu Val Gly Glu Ala Ile Gln Leu Val
35 40 45

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

Thr Glu Tyr Trp Val Val Ile Leu Gly Val Lys Gly Gly Asn Pro Ser
65 70 75 80

Asn Pro Leu Gly Ala Ser Phe Thr Thr
85

<210> 93
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 93
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Trp Tyr Val Glu Gln His Pro Phe Gly Glu Ala Ile Pro Leu Phe
        35   40   45

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

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

Thr Pro Leu Ile Ala His Phe Thr Thr
                85

<210> 94
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 94
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
        35   40   45

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

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65   70   75   80

Thr Pro Leu Gly Ala Ile Leu Thr Thr
85

<210> 95
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 95
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Glu
20 25 30

Ile Tyr Tyr Pro Glu Trp Pro Phe Ala Gly Glu Ala Ile Gly Leu Pro
35 40 45

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

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

Glu Pro Leu Thr Ala Gln Phe Thr Thr
85

<210> 96
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 96
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
            20   25   30

Ile Ala Tyr Val Glu Ala Glu Leu Val Gly Glu Ala Ile Gln Leu Val
        35   40   45

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

Thr Glu Tyr Trp Val Val Ile Leu Gly Val Lys Gly Gly Asn Pro Ser
65   70   75   80

Asn Pro Leu Gly Ala Ser Phe Thr Thr Thr
                85   90

<210> 97
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 97
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
            20   25   30

Ile Ala Tyr Val Glu Ala Glu Leu Val Gly Glu Ala Ile Gln Leu Val
        35   40   45

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

Thr Glu Tyr Trp Val Val Ile Leu Gly Val Lys Gly Gly Asn Pro Ser
65   70   75   80

Asn Pro Leu Gly Ala Ser Phe Thr Thr
85

<210> 98
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 98
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Trp Tyr Ala Glu Tyr Gly Tyr Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 99
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 99

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20                  25                  30


Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
        35                  40                  45


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


Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65                  70                  75                  80


Thr Pro Leu Gly Ala Ile Phe Thr Thr
                85
```

<210> 100
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 100

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20                  25                  30


Ile Trp Tyr His Glu Tyr Gly Gly Asp Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 101
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 101
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Trp Tyr Ala Glu Tyr Gly Tyr Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu Asn Pro Gly
50 55 60

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 102
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 102
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Leu Gly
            20   25   30

Ile Thr Tyr Trp Glu Ser Pro Tyr Ala Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 103
<211> 89
<212> PRT
<213> Artificial Sequence

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

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

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Trp Tyr Ala Glu Tyr Gly Tyr Ser Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 104
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 104
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Trp Tyr Arg Glu Tyr Gly Gly Ser Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 105
<211> 89
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 105
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Trp Tyr Ala Glu Tyr Gly Tyr Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 106
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 106
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Trp Tyr Ala Glu Tyr Gly Tyr Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 107
<211> 88
<212> PRT
<213> Artificial Sequence

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

<400> 107
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Pro
            20   25   30

Ile Trp Tyr Arg Glu Tyr Ala Thr Gly Glu Ala Ile Val Leu Thr Val
        35   40   45

Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly Thr
    50   55   60

Glu Tyr Asp Val Val Ile Thr Gly Val Lys Gly Gly Tyr Pro Ser Tyr
65   70   75   80

Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 108
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 108
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Thr Tyr Trp Glu Ser Pro Tyr Ala Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 109
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 109
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Trp Tyr Ala Glu Tyr Gly Tyr Ser Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 110
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 110
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
            20   25   30

Ile Trp Tyr Ala Glu Tyr Gly Tyr Pro Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 111
<211> 96

<212> PRT
<213> Artificial Sequence

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

<400> 111
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Lys Arg Ile Asp Ser Pro Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 112
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 112
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ile Gly His Asp Ser Gly Phe Asp Ser Phe Leu
20 25 30

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Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


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


Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85                  90                  95


<210> 113
<211> 95
<212> PRT
<213> Artificial Sequence

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

<400> 113
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Lys Arg Arg Trp Asp Ser Phe Asp Ser Phe Leu
            20                  25                  30


Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Glu Trp Phe Asn
65                  70                  75                  80


Gly Leu Pro His His Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85                  90                  95
```

<210> 114
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 114
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ala Lys His Pro Asn Ser Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Val Val Asn Glu
65 70 75 80

Leu Asn Asn Pro Leu Phe Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 115
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 115
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Trp Thr Ser Pro Leu Pro Phe Asp Ser Phe Leu
20 25 30

```
Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


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


Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85                  90                  95


<210> 116
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 116
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Ala Lys Asn Leu His Ser Phe Asp Ser Phe Leu
            20                  25                  30


Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


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


Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85                  90                  95
```

<210> 117
<211> 95
<212> PRT
<213> Artificial Sequence

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

<400> 117
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Tyr Pro Ser Asp Pro Pro Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Pro Asn Tyr His Ser Arg
65 70 75 80

Arg Ser Tyr Tyr Tyr Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 118
<211> 95
<212> PRT
<213> Artificial Sequence

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

<400> 118
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

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

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Gly Gln Pro Ile Trp Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

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

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

<400> 119
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Gln Arg Pro Lys Ser Gly Phe Phe Asp Ser Phe
            20   25   30

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

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

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

Ile Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr
85 90 95

Thr

<210> 120
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 120
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Pro Val Glu Ser Asn Ala Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

His Gly Arg Pro Arg Trp Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 121
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 121
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Val Arg Glu His Asp Ser Phe Asp Ser Phe Leu
            20   25   30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

<210> 122
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 122
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Ala Lys Arg Pro Gly Ala Phe Asp Ser Phe Leu
            20   25   30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 123
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 123
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

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

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 124
<211> 96
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 124
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Val Pro Ser Pro Trp Gly Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 125
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 125
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ala Arg Asn Ile Thr Ser Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

<210> 126
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 126
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Arg Lys Lys Asp His Pro Phe Asp Ser Phe Leu
            20   25   30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

<210> 127
<211> 95
<212> PRT
<213> Artificial Sequence

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

<400> 127
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Gly Tyr Tyr His Gly His Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp Glu Gly
65 70 75 80

Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

<210> 128
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 128
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Arg Lys Glu Ala Thr Ser Phe Asp Ser Phe Leu
20 25 30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

<210> 129
<211> 95
<212> PRT
<213> Artificial Sequence

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

<400> 129
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

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

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp Glu Gly
65   70   75   80

Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

<210> 130
<211> 97

<212> PRT
<213> Artificial Sequence

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

<400> 130
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Pro Lys Ile Gln Gly Gln His Phe Asp Ser Phe
20 25 30

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

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

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

Ile Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr
85 90 95

Thr

<210> 131
<211> 99
<212> PRT
<213> Artificial Sequence

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

<400> 131
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

```
Ala Arg Leu Ser Trp Gln Arg Ala Asp Asp Ile Leu Pro Tyr Phe Asp
            20                  25                  30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
        35                  40                  45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
    50                  55                  60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65                  70                  75                  80

Tyr Asp Ile Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile
                85                  90                  95

Phe Thr Thr
```

<210> 132
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 132

```
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15

Ala Arg Leu Ser Trp Val Arg Ser Asp Thr Ala Arg Phe Phe Asp Ser
            20                  25                  30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
        35                  40                  45

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

Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Tyr
65 70 75 80

Asp Ile Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe
85 90 95

Thr Thr

<210> 133
<211> 99
<212> PRT
<213> Artificial Sequence

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

<400> 133
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ala Ser Thr Val Asp Pro His Pro Arg Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
35 40 45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
50 55 60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65 70 75 80

Tyr Asp Ile Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile
85 90 95

Phe Thr Thr

<210> 134
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 134
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Gln Arg His Ser Asp Ala His Pro Leu Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
35 40 45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
50 55 60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65 70 75 80

Trp Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe
85 90 95

Thr Thr

<210> 135
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 135
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

```
Ala Arg Leu Ser Trp Pro Ile Val Asn Thr Pro Leu His Phe Asp Ser
            20                  25                  30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
        35                  40                  45

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

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

Thr Ala Thr Gly Gln Pro Glu Arg Ser Asn Pro Leu Ser Ala Ile Phe
                85                  90                  95

Thr Thr
```

<210> 136
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 136

```
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15

Ala Arg Leu Ser Trp Ala Lys Thr Ser Asp Leu His Pro Leu Phe Asp
            20                  25                  30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
        35                  40                  45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
    50                  55                  60
```

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65 70 75 80

Trp Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe
85 90 95

Thr Thr

<210> 137
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 137
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Asn Lys Lys His Asp Gly Gln Pro Thr Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
35 40 45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
50 55 60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Val
65 70 75 80

Tyr Glu Gly Ser Tyr Pro Ala Ser Ser Asn Pro Leu Ser Ala Ile Phe
85 90 95

Thr Thr

<210> 138
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 138
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Ile Lys Ser Glu Thr Ser Gln Pro Ala Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
35 40 45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
50 55 60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65 70 75 80

Trp Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe
85 90 95

Thr Thr

<210> 139
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 139

Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Tyr Ala Arg Lys Phe Ile Ser Pro Phe Asp Ser
            20   25   30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp
65   70   75   80

Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr
                85   90   95

Thr

<210> 140
<211> 99
<212> PRT
<213> Artificial Sequence

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

<400> 140
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Tyr Arg Pro Asp Asn Arg Ala Gly Ala Phe Asp
            20   25   30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
        35   40   45

```
Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
    50                  55                  60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65                  70                  75                  80

Tyr Asp Ile Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile
                85                  90                  95

Phe Thr Thr
```

<210> 141
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 141

```
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15

Ala Arg Leu Ser Trp Glu Arg Ile Val Gln Thr Pro His Phe Asp Ser
            20                  25                  30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
        35                  40                  45

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

Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp
65                  70                  75                  80

Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr
                85                  90                  95
```

Thr

<210> 142
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 142
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Pro Glu Glu Ala Val Thr Ala Thr Ser Phe Asp
20 25 30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
35 40 45

Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
50 55 60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65 70 75 80

Trp Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe
85 90 95

Thr Thr

<210> 143
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 143
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Pro Lys Asn Gln Thr Asn Arg His Phe Asp Ser
            20   25   30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp
65   70   75   80

Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr
                85   90   95

Thr

<210> 144
<211> 98
<212> PRT
<213> Artificial Sequence

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

<400> 144
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Tyr Arg Ala Thr Thr Pro Ala Pro His Phe Asp
            20   25   30

Ser Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile
        35   40   45

```
Val Leu Thr Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu
    50                  55                  60

Lys Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys
65                  70                  75                  80

Trp Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe
                85                  90                  95

Thr Thr
```

<210> 145
<211> 97
<212> PRT
<213> Artificial Sequence

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

<400> 145

```
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15

Ala Arg Leu Ser Trp Ser Ala Lys Lys Phe Pro Arg His Phe Asp Ser
            20                  25                  30

Phe Leu Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val
        35                  40                  45

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

Pro Gly Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Asp Val Lys Trp
65                  70                  75                  80

Glu Gly Asn Arg Pro Val Ala Ser Asn Pro Leu Ser Ala Ile Phe Thr
                85                  90                  95
```

Thr

<210> 146
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 146
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

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

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

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

Glu Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 147
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 147

Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Arg
            20   25   30

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

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

Thr Glu Tyr Trp Val Ile Ile Gln Gly Val Lys Gly Gly Thr Asp Ser
65   70   75   80

Phe Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 148
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 148
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
            20   25   30

Ile Thr Tyr Pro Glu Ile Pro Leu Gly Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Ser Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 149
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 149
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

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

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 150
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 150
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Ser Tyr Pro Glu Trp Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Trp Val Ile Ile Leu Gly Val Lys Gly Gly Asp Gln Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 151
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 151
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Lys Asp Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Asn Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 152
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 152
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

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

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

Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Ile His Ser
65 70 75 80

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 153
<211> 89
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 153
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Thr Pro Ile Gln Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Phe Val Ile Ile His Gly Val Lys Gly Gly Ile Thr Ser
65 70 75 80

Phe Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 154
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 154
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Ser Tyr Pro Glu Trp Pro Pro Leu Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 155
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 155
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Ala Tyr Pro Glu Leu Pro Ile Gly Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Pro Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 156
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 156
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Ser Tyr Pro Glu Trp Pro Val Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Ile Ile Gln Gly Val Lys Gly Gly Lys Leu Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 157
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 157
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asn
20 25 30

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

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

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

Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 158
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 158
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Val His Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Glu Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 159
<211> 89

<212> PRT
<213> Artificial Sequence

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

<400> 159
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

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

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

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

Phe Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 160
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 160
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

```
Ile Ala Tyr Pro Glu Trp Pro Val Pro Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Phe Gly Ser
65                  70                  75                  80


Phe Pro Leu Ser Ala Ile Phe Thr Thr
                85


<210> 161
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 161
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Thr
            20                  25                  30


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


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


Pro Gly Thr Glu Tyr Trp Val Ile Ile Gln Gly Val Lys Gly Gly Arg
65                  70                  75                  80


Pro Ser Thr Pro Leu Ser Ala Ile Leu Thr Thr
                85                  90
```

<210> 162
<211> 88
<212> PRT
<213> Artificial Sequence

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

<400> 162
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Pro Gly Glu Ala Ile Val Leu Thr Val
35 40 45

Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly Thr
50 55 60

Glu Tyr Phe Val Ile Ile Tyr Gly Val Lys Gly Gly Trp Thr Ser Pro
65 70 75 80

Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 163
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 163
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Gly Ser Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Phe Val Val Ile Phe Gly Val Lys Gly Gly Ser Gln Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 164
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 164
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Trp Tyr Pro Glu Trp Pro Val Gly Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Trp Val Asn Ile Ser Gly Val Lys Gly Gly Glu Tyr Ser
65   70   75   80

Phe Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 165
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 165
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ser Tyr Pro Glu Trp Pro Val His Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Ile Ile Trp Gly Val Lys Gly Gly Arg Gln Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 166
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 166
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

```
Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
            20                  25                  30

Ile Ala Tyr Pro Glu Leu Pro Leu Gly Gly Glu Ala Ile Val Leu Thr
        35                  40                  45

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

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

Glu Pro Leu Ser Ala Ile Phe Thr Thr
                85
```

<210> 167
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 167

```
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ile
            20                  25                  30

Ile Ala Tyr Pro Glu Thr Pro Val Arg Gly Glu Ala Ile Val Leu Thr
        35                  40                  45

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

Thr Glu Tyr Phe Val Ile Ile Ile Gly Val Lys Gly Gly Gln Glu Ser
65                  70                  75                  80
```

Phe Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 168
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 168
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
20 25 30

Ile Ser Tyr Ile Glu Tyr Pro Glu Ile Pro Gly Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Ile
65 70 75 80

Gln Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 169
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 169
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

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

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

Thr Glu Tyr Asn Val Ile Ile Thr Gly Val Lys Gly Gly Ile Pro Ser
65   70   75   80

His Pro Leu Gly Ala Ile Phe Thr Thr
                85

<210> 170
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 170
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
            20   25   30

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

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

Thr Glu Tyr Gln Val Ser Ile Ile Gly Val Lys Gly Gly Val Tyr Ser
65   70   75   80

Gln Pro Leu Ala Ala Ile Phe Thr Thr
85

<210> 171
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 171
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Gly Tyr Ala Glu Pro Val Val Thr Gly Glu Ala Ile Ser Leu Ser
35 40 45

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

Thr Glu Tyr Trp Val Val Ile Ile Gly Val Lys Gly Gly Ile Asn Ser
65 70 75 80

Tyr Pro Leu Gly Ala Ile Phe Thr Thr
85

<210> 172
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 172

Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
            20   25   30

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

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

Thr Glu Tyr Gln Val Ser Ile Ile Gly Val Lys Gly Gly Val Tyr Ser
65   70   75   80

Gln Pro Leu Ala Ala Ile Phe Thr Thr
                85

<210> 173
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 173
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
            20   25   30

Ile Pro Tyr Arg Glu Ser Glu Phe Arg Gly Glu Ala Ile Ala Leu Pro
        35   40   45

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

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

Gln Pro Leu Ala Ala Ile Phe Thr Thr
85

<210> 174
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 174
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

Ile Pro Tyr Arg Glu Ser Glu Phe Arg Gly Glu Ala Ile Ala Leu Pro
35 40 45

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

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

Gln Pro Leu Gly Ala Ile Phe Thr Thr
85

<210> 175
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 175
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
            20   25   30

Ile Pro Tyr Arg Glu Ser Glu Phe Arg Gly Glu Ala Ile Ala Leu Ser
        35   40   45

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

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

Gln Pro Leu Gly Ala Ile Phe Thr Thr
                85

<210> 176
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 176
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Ser Tyr Tyr Glu Trp Ala Pro Asn Gly Glu Ala Ile Gln Leu Ser
        35   40   45

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

Thr Glu Tyr His Val Val Ile Ile Gly Val Lys Gly Gly Glu Pro Ser
65 70 75 80

His Pro Leu Gly Ala Ile Phe Thr Thr
85

<210> 177
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 177
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

Ile Pro Tyr Arg Glu Ser Glu Phe Arg Gly Glu Ala Ile Ala Leu Pro
35 40 45

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

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

Gln Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 178
<211> 89
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 178
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Thr Tyr Pro Glu Trp Pro Val Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Ala Val Phe Ile Trp Gly Val Lys Gly Gly Asp Ala Ser
65 70 75 80

Glu Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 179
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 179
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

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

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

Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Ser Pro Ser
65   70   75   80

Pro Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 180
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 180
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asn
            20   25   30

Ile Ala Tyr Gly Glu Tyr Pro Gly Pro Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Glu Leu Ser
65   70   75   80

Glu Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 181
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 181
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Thr Tyr Pro Glu Trp Pro Val Asn Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Val Ile Trp Gly Val Lys Gly Gly Val Glu Ser
65 70 75 80

Pro Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 182
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 182
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Lys
20 25 30

Ile Ser Tyr Pro Glu Trp Pro Pro Glu Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Ala Val Phe Ile Trp Cys Val Lys Gly Gly Glu His Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 183
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 183
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Lys
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Asp Gly Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Pro Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 184
<211> 89

<212> PRT
<213> Artificial Sequence

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

<400> 184
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asn
20 25 30

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

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

Thr Glu Tyr Trp Val Ile Ile Ile Gly Val Lys Gly Gly Glu Asp Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 185
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 185
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Val Tyr Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Asp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 186
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 186
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Leu Gly Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Trp Val Ile Ile Leu Gly Val Lys Gly Gly Asp Gln Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 187
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 187
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asn
20 25 30

Ile Phe Tyr Pro Glu Leu Val Phe Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Asn Ile Ser Gly Val Lys Gly Gly Glu His Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 188
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 188
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
20 25 30

```
Ile Ala Tyr Pro Glu Leu Pro Val Lys Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


Thr Glu Tyr Phe Val Val Ile Trp Gly Val Lys Gly Gly Thr Tyr Ser
65                  70                  75                  80


Gly Pro Leu Ser Ala Ile Phe Thr Thr
                85


<210> 189
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 189
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Glu
            20                  25                  30


Ile Ala Tyr Pro Glu Ile Pro Ile Ala Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


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


Asp Pro Leu Ser Ala Ile Phe Thr Thr
                85
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<210> 190
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 190
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Val Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Ile Ile Lys Gly Val Lys Gly Gly Asn Ile Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 191
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 191
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
            20   25   30

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

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

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

Glu Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 192
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 192
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

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

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

Thr Glu Tyr Phe Val Ile Ile Tyr Gly Val Lys Gly Gly Val His Ser
65   70   75   80

Phe Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 193
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 193
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe His
20 25 30

Ile Phe Tyr Pro Glu Leu Pro Ile Ala Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Asn Ile Ser Gly Val Lys Gly Gly Tyr Glu Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 194
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 194
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
            20   25   30

Ile Ser Tyr Pro Glu Leu Pro Val Glu Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Trp Val Ile Ile Trp Gly Val Lys Gly Gly Ala Thr Ser
65   70   75   80

Glu Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 195
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 195
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
            20   25   30

Ile Ala Tyr Pro Glu Tyr Pro Ala Leu Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Phe Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 196
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 196
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Ala Tyr Pro Glu Leu Pro Ile Gly Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Ile His Ser
65 70 75 80

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 197
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 197

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asn
            20                  25                  30


Ile Ala Tyr Pro Glu Trp Pro Pro Glu Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


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


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


Asp Pro Leu Ser Ala Ile Phe Thr Thr
                85


<210> 198
<211> 88
<212> PRT
<213> Artificial Sequence

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

<400> 198
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15


Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
            20                  25                  30


Ile Gln Tyr Leu Glu Thr Ala Pro Asp Gly Glu Ala Ile Val Leu Thr
        35                  40                  45


Val Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly
    50                  55                  60
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Thr Glu Tyr Tyr Val Trp Ile Pro Gly Val Lys Gly Gly Ala Phe Ser
65 70 75 80

Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 199
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 199
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

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

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

Thr Glu Tyr Trp Val Val Ile Tyr Gly Val Lys Gly Gly Val Phe Ser
65 70 75 80

Glu Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 200
<211> 87
<212> PRT
<213> Artificial Sequence

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

<400> 200
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ile
            20   25   30

Tyr Ile Glu Asn Lys Val Asn Gly Glu Ala Ile Val Leu Thr Val Pro
        35   40   45

Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly Thr Glu
    50   55   60

Tyr His Val Thr Ile Gly Gly Val Lys Gly Gly Thr Glu Ser Asn Thr
65   70   75   80

Leu Ser Ala Ile Phe Thr Thr
                85

<210> 201
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 201
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Val Thr Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 202
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 202
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Tyr Pro Ala Leu Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 203
<211> 89
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 203
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

Ile Ser Tyr Pro Glu Trp Pro Gly Ser Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Ala Val Phe Ile Trp Cys Val Lys Gly Gly Trp Leu Ser
65 70 75 80

Asp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 204
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 204
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Glu
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Val Asn Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Val Ile Trp Gly Val Lys Gly Gly Val Asn Ser
65   70   75   80

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 205
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 205
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Thr Asp Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Glu Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 206
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 206
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
20 25 30

Ile Leu Tyr Tyr Glu Leu Pro Pro Ser Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Phe Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 207
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 207
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Thr Asp Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly His Trp Ser
65   70   75   80

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 208
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 208
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Glu
            20   25   30

Ile Trp Tyr His Glu Tyr His Pro Arg Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Asp Val Val Ile Ser Gly Val Lys Gly Gly His Trp Ser
65   70   75   80

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 209
<211> 89

<212> PRT
<213> Artificial Sequence

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

<400> 209
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
20 25 30

Ile Gly Tyr Pro Glu Trp Pro Leu Gly Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Trp Val Ile Ile Tyr Gly Val Lys Gly Gly Glu Tyr Ser
65 70 75 80

Asp Pro Leu Ser Ala Ile Phe Thr Thr
85

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

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

<400> 210
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Glu
20 25 30

Ile Trp Tyr His Glu Tyr His Pro Arg Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Asp Val Val Ile Ser Gly Val Lys Gly Gly His Trp Ser
65   70   75   80

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85

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

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

<400> 211
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
            20   25   30

Ile Ala Tyr Pro Glu Trp Pro Thr Asp Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Arg Pro Leu Ser Ala Ile Phe Thr Thr
                85

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

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

<400> 212
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

Ile Ala Tyr Pro Glu Tyr Val Trp Gly Gly Glu Ala Thr Ser Leu Gly
35 40 45

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

Thr Gly Leu Lys Pro Gly Thr Glu Tyr Phe Val Val Ile Thr Gly Val
65 70 75 80

Lys Gly Gly Leu Gly Ser Tyr Pro Leu Ser Ala Ile Phe Thr Thr
85 90 95

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

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

<400> 213
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Thr Asp Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 214
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 214
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
            20   25   30

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

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

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

Leu Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 215
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 215
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Asp
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Thr Asp Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 216
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 216
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
            20   25   30

Ile Phe Tyr Leu Glu Pro Phe Pro Arg Gly Glu Ala Ile Pro Leu Glu
        35   40   45

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

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

Asp Pro Leu Trp Ala Tyr Phe Thr Thr
                85

<210> 217
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 217
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Gly Tyr Val Glu Phe Thr Arg Ala Gly Glu Ala Ile Ser Leu Ser
        35   40   45

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

Thr Glu Tyr His Val Val Ile Ile Gly Val Lys Gly Gly Glu Pro Ser
65   70   75   80

His Pro Leu Gly Ala Pro Phe Thr Thr
85

<210> 218
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 218
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Gly Tyr Ala Glu Pro Ala Val Thr Gly Glu Ala Ile Ser Leu Ser
35 40 45

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

Thr Glu Tyr Trp Val Val Ile Ile Gly Val Lys Gly Gly Ile Asn Ser
65 70 75 80

Tyr Pro Leu Gly Ala Ser Phe Thr Thr
85

<210> 219
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 219
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Ser Tyr Tyr Glu Trp Ala Pro Asn Gly Glu Ala Ile Gln Leu Ser
        35   40   45

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

Thr Glu Tyr His Val Val Ile Ile Gly Val Lys Gly Gly Glu Pro Ser
65   70   75   80

His Pro Leu Gly Ala Pro Phe Thr Thr
                85

<210> 220
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 220
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asn Ser Phe Gly
            20   25   30

Ile Gly Tyr Ala Glu Pro Ala Val Thr Gly Glu Ala Ile Ser Leu Ser
        35   40   45

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

Thr Glu Tyr Trp Val Val Ile Ile Gly Val Lys Gly Gly Ile Asn Ser
65   70   75   80

Tyr Pro Leu Gly Ala Ser Phe Thr Thr
                85

<210> 221
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 221
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Trp Cys Val Glu Pro Ile Pro Glu Gly Glu Ala Ile Pro Leu Phe
        35   40   45

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

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

Ser Pro Leu Ala Ala Pro Phe Thr Thr
                85

<210> 222
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 222

Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
            20   25   30

Ile Pro Tyr Arg Glu Ser Glu Phe Arg Gly Glu Ala Ile Ala Leu Pro
        35   40   45

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

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

Gln Pro Leu Gly Ala Ile Phe Thr Thr
                85

<210> 223
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 223
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Gly Tyr Ile Glu Trp Val His Arg Gly Glu Ala Ile Ser Leu His
        35   40   45

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

Thr Glu Tyr Val Val Ala Ile Val Gly Val Lys Gly Gly Glu Pro Ser
65 70 75 80

Thr Pro Leu Gly Ala Pro Phe Thr Thr
85

<210> 224
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 224
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
20 25 30

Ile Thr Tyr Trp Glu Ile Glu Pro Glu Gly Glu Ala Ile Phe Leu Gly
35 40 45

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

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

Tyr Pro Leu Phe Ala Gly Phe Thr Thr
85

<210> 225
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 225
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

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

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

Thr Glu Tyr Trp Val Thr Ile Leu Gly Val Lys Gly Gly Ile Ile Ser
65   70   75   80

Thr Pro Leu Gly Ala Ser Phe Thr Thr
                85

<210> 226
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 226
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Gly Tyr Ala Glu Pro Ala Val Thr Gly Glu Ala Ile Ser Leu Ser
        35   40   45

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

Thr Glu Tyr Trp Val Val Ile Ile Gly Val Lys Gly Gly Ile Asn Ser
65 70 75 80

Tyr Pro Leu Gly Ala Ser Phe Thr Thr
85

<210> 227
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 227
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Ala Tyr Ile Glu Thr Ala Arg Trp Gly Glu Ala Ile Ser Leu Thr
35 40 45

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

Thr Glu Tyr Asn Val Val Ile Ile Gly Val Lys Gly Gly Thr Pro Ser
65 70 75 80

His Pro Leu Gly Ala Pro Phe Thr Thr
85

<210> 228
<211> 88
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 228
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Thr Tyr Leu Asp Pro Arg Asn Gly Glu Ala Ile Ser Leu Asn Val
35 40 45

Pro Gly Ser Glu Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly Thr
50 55 60

Glu Tyr Trp Val Val Ile Ile Gly Val Lys Gly Gly Ile Asn Ser Tyr
65 70 75 80

Pro Leu Gly Ala Ser Phe Thr Thr
85

<210> 229
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 229
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

Val Pro Gly Ser Cys Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly
    50   55   60

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 230
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 230
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

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

Val Pro Gly Ser Cys Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly
    50   55   60

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 231
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 231
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
35 40 45

Leu Thr Val Pro Gly Ser Cys Arg Ser Tyr Asp Leu Thr Gly Leu Lys
50 55 60

Pro Gly Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65 70 75 80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 232
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 232
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
35 40 45

Val Pro Gly Ser Cys Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly
    50   55   60

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65   70   75   80

Thr Pro Leu Gly Thr Ile Phe Thr Thr
                85

<210> 233
<211> 96
<212> PRT
<213> Artificial Sequence

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

<400> 233
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Ala Lys Arg Pro Gly Ala Phe Asp Ser Phe Leu
            20   25   30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35   40   45

Val Pro Gly Ser Cys Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro Gly
    50   55   60

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

Asp Ser Arg Pro Ile Ser Ser Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85   90   95

<210> 234
<211> 90

<212> PRT
<213> Artificial Sequence

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

<400> 234
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Thr Tyr Pro Glu Trp Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
35 40 45

Thr Val Pro Gly Ser Cys Arg Ser Tyr Asp Leu Thr Gly Leu Lys Pro
50 55 60

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65 70 75 80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 235
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 235
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Tyr Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 236
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 236
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
            20   25   30

Ile Ala Tyr Pro Glu Leu Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65   70   75   80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 237
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 237
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Ile Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65 70 75 80

Trp Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 238
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 238
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65 70 75 80

Tyr Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 239
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 239
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65 70 75 80

Leu Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 240
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 240
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
20 25 30

Ile Ala Tyr Pro Glu Trp Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
35 40 45

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

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65 70 75 80

Ser Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 241
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 241
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

```
Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
            20                  25                  30

Ile Ala Tyr Pro Glu Trp Pro Pro Pro Gly Glu Ala Ile Val Leu Thr
        35                  40                  45

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

Thr Glu Tyr Phe Val Ile Ile Gln Gly Val Lys Gly Gly Val Glu Ser
65                  70                  75                  80

Glu Pro Leu Ser Ala Ile Phe Thr Thr
                85
```

<210> 242
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 242

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Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1               5                   10                  15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20                  25                  30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Glu Gly Glu Ala Ile Val
        35                  40                  45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65                  70                  75                  80
```

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 243
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 243
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Ser Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65 70 75 80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 244
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 244
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Tyr Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65   70   75   80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85   90

<210> 245
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 245
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Phe Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65   70   75   80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 246
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 246
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Ser Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65 70 75 80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 247
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 247

Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Tyr Gly Val Lys Gly Gly Ala
65   70   75   80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
                85   90

<210> 248
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 248
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Phe Gly Val Lys Gly Gly Ala
65 70 75 80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 249
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 249
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Ser Gly Val Lys Gly Gly Ala
65 70 75 80

Asn Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 250
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 250
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65   70   75   80

Asn Ser Tyr Pro Leu Ser Ala Ile Phe Thr Thr
                85   90

<210> 251
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 251
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
        35   40   45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65 70 75 80

Asn Ser Glu Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 252
<211> 91
<212> PRT
<213> Artificial Sequence

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

<400> 252
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Thr Tyr Ile Glu Lys Glu His Ile Glu Asp Gly Glu Ala Ile Val
35 40 45

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

Pro Gly Thr Glu Tyr Trp Val Pro Ile Trp Gly Val Lys Gly Gly Ala
65 70 75 80

Gln Ser Trp Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 253
<211> 89
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 253
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
35 40 45

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

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

Thr Pro Leu Gly Thr Ile Phe Thr Thr
85

<210> 254
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 254
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
20 25 30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
35 40 45

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

Thr Glu Tyr Tyr Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65   70   75   80

Thr Pro Leu Gly Thr Ile Phe Thr Thr
                85

<210> 255
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 255
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Pro
        35   40   45

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

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

Thr Pro Leu Gly Thr Ile Phe Thr Thr
                85

<210> 256
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 256
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Ala Tyr Pro Glu Tyr Pro Pro Gln Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 257
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 257
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Ala Tyr Pro Glu Leu Pro Pro Gln Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 258
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 258
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

Ile Ala Tyr Pro Glu Ile Pro Pro Gln Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 259
<211> 89

<212> PRT
<213> Artificial Sequence

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

<400> 259
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
20 25 30

Ile Ala Tyr Pro Glu His Pro Pro Gln Gly Glu Ala Ile Val Leu Thr
35 40 45

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 260
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 260
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Tyr
20 25 30

Ile Thr Tyr Pro Glu Trp Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
        35   40   45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65   70   75   80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
                85   90

<210> 261
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 261
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gln
            20   25   30

Ile Thr Tyr Pro Glu Trp Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
        35   40   45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65   70   75   80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
                85   90

<210> 262
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 262
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ser
20 25 30

Ile Thr Tyr Pro Glu Trp Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
35 40 45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65 70 75 80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 263
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 263
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Thr Tyr Pro Glu Tyr Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
35 40 45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65 70 75 80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 264
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 264
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Thr Tyr Pro Glu Leu Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
35 40 45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65 70 75 80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 265
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 265
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Thr Tyr Pro Glu Ile Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
35 40 45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65 70 75 80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 266
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 266
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
            20   25   30

Ile Thr Tyr Pro Glu Trp Pro Pro Pro Gly Gly Glu Ala Ile Val Leu
        35   40   45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65   70   75   80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
                85   90

<210> 267
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 267
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Ala
            20   25   30

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

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

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

Ala Pro Leu Ser Ala Ile Phe Thr Thr
85

<210> 268
<211> 90
<212> PRT
<213> Artificial Sequence

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

<400> 268
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Trp
20 25 30

Ile Thr Tyr Ala Glu Trp Pro Asp Pro Gly Gly Glu Ala Ile Val Leu
35 40 45

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

Gly Thr Glu Tyr Phe Val Val Ile Tyr Gly Val Lys Gly Gly Glu Ile
65 70 75 80

Tyr Ser Pro Leu Ser Ala Ile Phe Thr Thr
85 90

<210> 269
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 269
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Arg Val Thr Glu Asp Ser
1 5 10 15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Gly
            20   25   30

Ile Leu Tyr Tyr Glu Pro Val Asp Ser Gly Glu Ala Ile Thr Leu Thr
        35   40   45

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

Thr Glu Tyr Trp Val Val Ile Thr Gly Val Lys Gly Gly Ala Pro Ser
65   70   75   80

Thr Pro Leu Gly Thr Ile Phe Thr Thr
                85

<210> 270
<211> 89
<212> PRT
<213> Artificial Sequence

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

<400> 270
Leu Pro Ala Pro Lys Asn Leu Val Val Ser Glu Val Thr Glu Asp Ser
1   5   10   15

Ala Arg Leu Ser Trp Thr Ala Pro Asp Ala Ala Phe Asp Ser Phe Leu
            20   25   30

Ile Gln Tyr Gln Glu Ser Glu Lys Val Gly Glu Ala Ile Val Leu Thr
        35   40   45

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

Thr Glu Tyr Thr Val Ser Ile Tyr Gly Val Lys Gly Gly His Arg Ser
65   70   75   80

Asn Pro Leu Ser Ala Ile Phe Thr Thr
                85

<210> 271
<211> 276
<212> PRT
<213> Macaca fascicularis

<400> 271
Met Arg Asn Gln Ala Pro Gly Arg Pro Lys Gly Ala Thr Ser Pro Pro
1   5   10   15

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

Ala Glu Pro Arg Pro Gly Glu Arg Val Met Ala Pro Pro Val Thr Ala
        35   40   45

Leu Leu Leu Pro Leu Val Leu Leu Leu His Ala Ala Arg Pro Asn Gln
    50   55   60

Phe Arg Val Ser Pro Leu Gly Arg Thr Trp Asn Leu Gly Glu Thr Val
65   70   75   80

Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser Gly Cys Ser
                85   90   95

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

Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp Thr Gln
        115   120   125

Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu Thr Leu Arg
    130   135   140

Asp Phe Arg Gln Glu Asn Glu Gly Tyr Tyr Phe Cys Ser Ala Leu Ser
145   150   155   160

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Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe Leu Pro Ala
                165                 170                 175


Lys Pro Thr Thr Thr Pro Ala Pro Arg Pro Pro Thr Pro Ala Pro Thr
            180                 185                 190


Thr Ala Ser Gln Pro Leu Ser Leu Arg Pro Glu Ala Cys Arg Pro Ala
        195                 200                 205


Ala Gly Gly Ser Val Asn Thr Arg Gly Leu Asp Phe Ala Cys Asp Ile
    210                 215                 220


Tyr Ile Trp Ala Pro Leu Ala Gly Ala Cys Gly Val Leu Leu Leu Ser
225                 230                 235                 240


Leu Val Ile Thr Leu Tyr Cys Asn His Arg Asn Arg Arg Arg Val Cys
                245                 250                 255


Lys Cys Pro Arg Pro Val Val Lys Ser Gly Gly Lys Pro Ser Leu Ser
            260                 265                 270


Asp Arg Tyr Val
        275
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<210> 272
<211> 4
<212> PRT
<213> Artificial Sequence

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

<400> 272
Gly Ser Gly Ser
1

<210> 273
<211> 8

<212> PRT
<213> Artificial Sequence

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

<400> 273
Gly Gly Gly Ser Gly Gly Gly Ser
1 5

<210> 274
<211> 25
<212> PRT
<213> Artificial Sequence

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

<400> 274
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser
20 25

<210> 275
<211> 4
<212> PRT
<213> Artificial Sequence

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

<400> 275
Ala Pro Ala Pro
1

<210> 276
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 276
Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro
1 5 10

<210> 277
<211> 20
<212> PRT
<213> Artificial Sequence

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

<400> 277
Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro
1 5 10 15

Ala Pro Ala Pro
20

<210> 278
<211> 40
<212> PRT
<213> Artificial Sequence

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

<400> 278
Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro
1 5 10 15

Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro Ala Pro
20 25 30

Ala Pro Ala Pro Ala Pro Ala Pro
35 40

<210> 279
<211> 29

<212> PRT
<213> Artificial Sequence

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

<400> 279
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> 280
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 280
Thr Ala Pro Asp Ala Ala Phe Asp
1 5

<210> 281
<211> 8
<212> PRT
<213> Artificial Sequence

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

<400> 281
Lys Gly Gly His Arg Ser Asn Pro
1 5