SEQUENCE LISTING

<110> DOMANTIS LIMITED
<110> BRISTOL-MYERS SQUIBB COMPANY

<120> ANTIBODY POLYPEPTIDES THAT ANTAGONIZE CD40

<130> 200896-0004-00-WO (481834)

<140>
<141>

<150> 61/477,904
<151> 2011-05-18

<160> 1287

<170> PatentIn version 3.5

<210> 1
<211> 277
<212> PRT
<213> Homo sapiens

<400> 1
Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu Thr
1 5 10 15

Ala Val His Pro Glu Pro Pro Thr Ala Cys
Arg Glu Lys Gln Tyr Leu
20 25
30

Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln
Pro Gly Gln Lys Leu Val
35 40
45

Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu
Cys Leu Pro Cys Gly Glu
50 55
60

Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu
Thr His Cys His Gln His
65 70
75 80

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

Ser Glu Thr Asp Thr Ile Cys Thr Cys Glu
Glu Gly Trp His Cys Thr
100 105

110

Ser Glu Ala Cys Glu Ser Cys Val Leu His
Arg Ser Cys Ser Pro Gly
115 120
125

Phe Gly Val Lys Gln Ile Ala Thr Gly Val
Ser Asp Thr Ile Cys Glu
130 135
140

Pro Cys Pro Val Gly Phe Phe Ser Asn Val
Ser Ser Ala Phe Glu Lys
145 150
155 160

Cys His Pro Trp Thr Ser Cys Glu Thr Lys
Asp Leu Val Val Gln Gln
165 170
175

Ala Gly Thr Asn Lys Thr Asp Val Val Cys
Gly Pro Gln Asp Arg Leu
180 185
190

```
Arg Ala Leu Val Val Ile Pro Ile Ile Phe
Gly Ile Leu Phe Ala Ile
        195                 200
       205


Leu Leu Val Leu Val Phe Ile Lys Lys Val
Ala Lys Lys Pro Thr Asn
    210                 215
   220


Lys Ala Pro His Pro Lys Gln Glu Pro Gln
Glu Ile Asn Phe Pro Asp
225                 230
235                 240


Asp Leu Pro Gly Ser Asn Thr Ala Ala Pro
Val Gln Glu Thr Leu His
                245                 250
               255


Gly Cys Gln Pro Val Thr Gln Glu Asp Gly
Lys Glu Ser Arg Ile Ser
            260                 265
           270


Val Gln Glu Arg Gln
        275
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<210> 2
<211> 278
<212> PRT
<213> Macaca fascicularis

<400> 2
Met Val Arg Leu Pro Leu Gln Cys Val Leu
Trp Gly Cys Leu Leu Thr
1 5 10
15

Ala Val Tyr Pro Glu Pro Pro Thr Ala Cys
Arg Glu Lys Gln Tyr Leu
20 25
30

Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln
Pro Gly Gln Lys Leu Val
35 40
45

Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu
Cys Leu Pro Cys Gly Glu
50 55
60

Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu
Thr Arg Cys His Gln His

65 70
75 80

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

Ser Glu Thr Asp Thr Ile Cys Thr Cys Glu
Glu Gly Leu His Cys Thr
100 105
110

Ser Glu Ser Cys Glu Ser Cys Val Pro His
Arg Ser Cys Leu Pro Gly
115 120
125

Phe Gly Val Lys Gln Ile Ala Thr Gly Val
Ser Asp Thr Ile Cys Glu
130 135
140

Pro Cys Pro Val Gly Phe Phe Ser Asn Val
Ser Ser Ala Phe Glu Lys
145 150
155 160

Cys Arg Pro Trp Thr Ser Cys Glu Thr Lys
Asp Leu Val Val Gln Gln
165 170
175

Ala Gly Thr Asn Lys Thr Asp Val Val Cys
Gly Pro Gln Asp Arg Gln
180 185
190

Arg Ala Leu Val Val Ile Pro Ile Cys Leu
Gly Ile Leu Phe Val Ile
195 200
205

Leu Leu Leu Val Leu Val Phe Ile Lys Lys
Val Ala Lys Lys Pro Asn
210 215
220

Asp Lys Val Pro His Pro Lys Gln Glu Pro
Gln Glu Ile Asn Phe Pro
225 230
235 240

Asp Asp Leu Pro Gly Ser Asn Pro Ala Ala
Pro Val Gln Glu Thr Leu

245 250
255

His Gly Cys Gln Pro Val Thr Gln Glu Asp
Gly Lys Glu Ser Arg Ile
260 265
270

Ser Val Gln Glu Arg Gln
275

<210> 3
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr

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

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

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

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp Gly Gln Gly Thr Leu Val

Thr Val Ser Ser Ala Ala Ala
115

<210> 4
<211> 25
<212> PRT
<213> Artificial Sequence

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

<220>
<221> misc_feature
<222> (1)..(25)
<223> This sequence may encompass 1 to 5 "Gly Gly Gly Gly Ser" repeating units

<400> 4
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> 5
<211> 3
<212> PRT
<213> Artificial Sequence

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

<400> 5
Ala Ser Thr
1

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

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

<400> 6
Thr Val Ala Ala Pro Ser
1 5

<210> 7
<211> 3

<212> PRT
<213> Artificial Sequence

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

<400> 7
Thr Val Ala
1

<210> 8
<211> 7
<212> PRT
<213> Artificial Sequence

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

<400> 8
Ala Ser Thr Ser Gly Pro Ser
1 5

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

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

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

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

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

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

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

75 80

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

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

Thr Val Ser Ser
115

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

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

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

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

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

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

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

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

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 11
<211> 116
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

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

Thr Val Ser Ser
115

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

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

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

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

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

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

60

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

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

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

Thr Val Ser Ser
115

<210> 13
<211> 116
<212> PRT
<213> Artificial Sequence

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

polypeptide

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

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

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

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

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

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

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

Thr Val Ser Ser
115

<210> 14
<211> 123
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Lys Glu Pro Ile Thr Tyr Ala Met Arg
Tyr Ala Arg Phe Asp Tyr
100 105

110

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

<210> 15
<211> 116
<212> PRT
<213> Artificial Sequence

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

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

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

Glu Met Trp Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Arg Val
35 40
45

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

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

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

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

Thr Val Ser Ser
115

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

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

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

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

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

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

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

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

Ala Lys Pro Gly Pro Gln Phe Gly Gln Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 17
<211> 121
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Tyr Pro Asn Arg Phe Ala Leu Asn
Asn Phe Asp Tyr Trp Gly
100 105
110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 18
<211> 108
<212> PRT
<213> Artificial Sequence

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

<400> 18
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn

Ser Ser Ile Leu Trp Ala
20 25
30

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

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

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

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Gly Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

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

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

<400> 19
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

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

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50 55
60

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

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

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 20
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 20

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

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

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

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

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

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

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

Thr Val Ser Ser
115

<210> 21
<211> 120
<212> PRT
<213> Artificial Sequence

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

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

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

30

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

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

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

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

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr Phe Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 22
<211> 108
<212> PRT
<213> Artificial Sequence

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

<400> 22
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

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

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

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

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

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Gly Val Leu Trp Pro Ala
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 23
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asn Arg Ile Pro Asp Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

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

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

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Asp Ala Gly
20 25
30

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

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

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

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

Ala Lys Gly Arg Ile Pro Gly Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 25
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

Ser Ala Ile Gln Pro Met Gly Asp Gly Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

Ala Lys Gly Arg Ile Pro Thr Leu Gln Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 26
<211> 119
<212> PRT

<213> Artificial Sequence

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

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 27
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 27
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser

115

<210> 29
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

Ser Arg Ile Ser Pro Gly Gly Asp Tyr Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 30
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

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

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
        115

<210> 31
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Lys Gly Lys Val Pro Ser Leu His Phe

Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

Asp Met Ser Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

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

Thr Leu Val Thr Val Ser Ser
115

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

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

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Thr Glu Glu
20 25
30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

Ser Arg Ile Asp Asn Pro Gly Gln His Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

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

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

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

Thr Leu Val Thr Val Ser Ser
        115

<210> 37
<211> 119
<212> PRT

<213> Artificial Sequence

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

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

Ala Lys Gly Glu Val Pro Arg Leu His Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 38
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 38
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

Ala Lys Gly Ile Thr Pro Asn Leu Thr Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 39
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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


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


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


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


Ala Lys Gly Val Ile Pro His Leu Met Phe
Asp Tyr Trp Gly Gln Gly
             100                 105
           110


Thr Leu Val Thr Val Ser Ser
```

115

<210> 40
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

Ser Arg Ile Thr Gly Thr Gly Asn Ser Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

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

Thr Leu Val Thr Val Ser Ser
115

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

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

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

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

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 42
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Lys Gly Met Val Pro Asn Leu Val Phe

Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 43
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 43
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

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

Pro Met Ser Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

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

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

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

Ala Lys Gly Met Val Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 44
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 44
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Ala Lys Gly Ile Thr Pro Asn Leu Thr Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 45
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 45
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Ile Val Pro Asp Leu His Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 46
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 46
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Asn Glu Tyr
20 25
30

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

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

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

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

Ala Lys Gly Ile Ile Pro Ala Met Gln Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 47
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Lys Gly Ile Met Pro Ser Leu Thr Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 48
<211> 119
<212> PRT

<213> Artificial Sequence

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

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

Ala Lys Gly Gln Leu Pro Ala Leu Glu Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 49
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 49
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

Ala Lys Gly Arg Ile Pro Asp Leu His Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 50
<211> 122
<212> PRT
<213> Artificial Sequence

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

<400> 50
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

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

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


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


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


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


Ala Lys Gly Val Ile Pro Tyr Leu Ser Phe
Ser Pro Phe Asp Tyr Trp
             100                 105
           110


Gly Gln Gly Thr Leu Val Thr Val Ser Ser
```

115 120

<210> 51
<211> 122
<212> PRT
<213> Artificial Sequence

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

<400> 51
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Ser Ile Asp Ser His Gly Ala Gly Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

Ala Lys Gly Ala Pro Lys Phe Met Thr Thr
Tyr Thr Phe Asp Tyr Trp
100 105
110

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

<210> 52
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

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

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

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

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

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

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

Ala Lys Gly His Ser Trp Thr Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 53
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Glu Gly Arg Ile Pro Thr Leu His Phe

Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 54
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

Arg Met Gly Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 56
<211> 116
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

Leu Gln Met Asn Asn Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

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

Thr Val Ser Ser
115

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

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

<400> 57
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Ser Thr Tyr
20 25
30

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

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

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

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

Ala Lys Glu Pro Leu Met Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

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

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

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

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

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

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

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

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

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

Thr Val Ser Ser
        115

<210> 59
<211> 117
<212> PRT

<213> Artificial Sequence

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

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

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

Val Thr Val Ser Ser
115

<210> 60
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 60
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 61
<211> 117
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Lys Ser Asp Ala His Ile Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser

115

<210> 62
<211> 117
<212> PRT
<213> Artificial Sequence

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

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

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

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

Ser Ser Ile Ser Asp Asp Gly Thr Arg Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

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

Val Thr Val Ser Ser
115

<210> 63
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

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

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

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

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

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

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

Ala Lys Asp Arg Ile Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
            100   105
        110

Thr Leu Val Thr Val Ser Ser
        115

<210> 64
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 64
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1   5   10
            15

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


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


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


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


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


Ala Lys Asp Arg Ser Asp Phe Asp Tyr Trp
```

Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 65
<211> 117
<212> PRT
<213> Artificial Sequence

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

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

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

Asp Met Trp Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

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

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

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

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

Val Thr Val Ser Ser
115

<210> 66
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

Ser Ser Ile Asp Pro Gln Gly Gly Met Thr Tyr Tyr Ala Asp Ser Val
50 55 60

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

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

Ala Lys Ala Arg Ile Pro Asn Leu Glu Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ala Lys Ile Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 68
<211> 121
<212> PRT
<213> Artificial Sequence

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

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Ala Asp Ser
20 25
30

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

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

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

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 69
<211> 116
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

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

Thr Val Ser Ser
115

<210> 70
<211> 116
<212> PRT

<213> Artificial Sequence

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

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

Ala Lys Tyr Pro Lys Asn Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 71
<211> 117
<212> PRT
<213> Artificial Sequence

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

<400> 71
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 72
<211> 120
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Lys Arg Ser His Leu Ile Pro Leu Gln
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser

115 120

<210> 73
<211> 123
<212> PRT
<213> Artificial Sequence

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

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

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

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

Ser Thr Ile Ser Tyr Val Gly Tyr Tyr Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

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

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

<210> 74
<211> 123
<212> PRT
<213> Artificial Sequence

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

<400> 74
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70
75 80

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

Ala Lys Trp Val Gly Ser Lys Thr Ser Ser
Asp Lys Ser Phe Asp Tyr
100 105
110

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

<210> 75
<211> 120
<212> PRT
<213> Artificial Sequence

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

<400> 75

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

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

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

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

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

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

Ala Lys Ile Gly Gly His Pro Gln Gly Gln
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 76
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Pro Arg Glu
20 25

30

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

Ser Ser Ile Gln Pro Met Gly Gln Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 77
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Lys His Glu Ser Asn Trp Glu Thr Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 78
<211> 123
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

75 80

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

Ala Lys Thr Leu Gly Arg Gly Ser Tyr Pro Gly Val Asp Phe Asp Tyr
100 105
110

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

<210> 79
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 79
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

Ala Lys Gly Ser Ile Pro Met Leu Thr Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 80
<211> 120
<212> PRT
<213> Artificial Sequence

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

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

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

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


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


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


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


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


Gly Thr Leu Val Thr Val Ser Ser
```

115 120

<210> 81
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

Ser Arg Ile Ala Pro His Gly Arg Leu Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

Ala Lys Gly Gln Ile Pro Met Leu Asp Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 82
<211> 121
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 82
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Ala Lys Asn Asp Met Val Met Lys Asn Gly
Gly Phe Asp Tyr Trp Gly
100 105
110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 83
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

Ala Lys Gly Leu Val Pro His Leu Arg Phe

Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 84
<211> 117
<212> PRT
<213> Artificial Sequence

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

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

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

Gln Met Thr Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

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

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

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

Ala Lys Gly Lys Val Pro Ser Ile Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 85
<211> 117
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

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

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

Val Thr Val Ser Ser
115

<210> 86
<211> 118
<212> PRT
<213> Artificial Sequence

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

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

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

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

Leu Val Thr Val Ser Ser
115

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

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

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Asn Gln Pro
20 25
30

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

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

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

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

Ala Lys Asp Arg Ile Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

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

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

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

Ala Lys Gly Gln Val Pro Glu Leu Leu Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 89
<211> 119
<212> PRT

<213> Artificial Sequence

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

<400> 89
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

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

Thr Leu Val Thr Val Ser Ser
115

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

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

<400> 90
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

Ala Lys Asp Arg Ile Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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


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


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


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


Ala Lys Gly Thr Ile Pro Leu Leu Glu Phe
Asp Tyr Trp Gly Gln Gly
             100                 105
            110


Thr Leu Val Thr Val Ser Ser
```

115

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

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

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

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

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

Ser Arg Ile Asp Gly Thr Gly Gly Asp Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

Ala Lys Gly Leu Ile Pro Asp Leu Gln Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

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

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

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

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

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

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

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

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

Ala Lys Gly Thr Ile Pro Leu Leu Glu Phe
Asp Tyr Trp Gly Gln Gly
            100   105
        110

Thr Leu Val Thr Val Ser Ser
        115

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

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

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

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

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

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

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

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

Ala Lys Gly Thr Val Pro Thr Leu Glu Phe

Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

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

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

<400> 95
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

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

Glu Met Thr Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

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

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

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

Ala Lys Gly Arg Ile Pro Gly Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

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

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

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

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

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

Thr Leu Val Thr Val Ser Ser
115

<210> 98
<211> 119
<212> PRT
<213> Artificial Sequence

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

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Asp Asn Glu
20 25
30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

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

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

<400> 99
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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


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


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


Ala Lys Gly Ile Thr Pro Asn Leu Thr Phe
Asp Tyr Trp Gly Gln Gly
             100                 105
           110


Thr Leu Val Thr Val Ser Ser
        115


<210> 100
<211> 119
<212> PRT
```

<213> Artificial Sequence

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

<400> 100
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

Ala Lys Gly Leu Ile Pro Asp Leu Gln Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 101
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 101
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

Ala Lys Asp Arg Ile Pro Asn Leu Arg Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 102
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 102
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

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

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


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


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


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


Ala Lys Gly Gln Val Pro Glu Leu Leu Phe
Asp Tyr Trp Gly Gln Gly
             100                 105
           110


Thr Leu Val Thr Val Ser Ser
```

115

<210> 103
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 103
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Ala Ile Ala Ala Pro Gly Gly Ser Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

Ala Lys Asp Arg Ile Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 104
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 104
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Ala Glu Gly Val Ile Pro Ser Leu Thr Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 105
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 105
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

Ala Glu Gly Val Ile Pro Ser Leu Thr Phe

Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 106
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 106
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

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

Asp Met Thr Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

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

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

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

Ala Lys Gly Lys Thr Pro His Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 107
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 107
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Ala Lys Gly Gln Val Pro Ala Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 108
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 108
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

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

Thr Leu Val Thr Val Ser Ser
115

<210> 109
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 109
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Glu His Ala
20 25
30

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

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

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

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

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

Thr Leu Val Thr Val Ser Ser
115

<210> 110
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 110
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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


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


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


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


Thr Leu Val Thr Val Ser Ser
        115


<210> 111
<211> 119
<212> PRT
```

<213> Artificial Sequence

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

<400> 111
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

Ala Lys Asn Arg Ile Pro Asp Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 112
<211> 121
<212> PRT
<213> Artificial Sequence

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

<400> 112
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

Ala Lys His Ala Ser Thr Glu Gly Pro Thr
Ala Phe Asp Tyr Trp Gly
100 105
110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 113
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 113
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

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

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


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


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


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


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


Thr Val Ser Ser
```

115

<210> 114
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 114
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Arg Ile Gly Ser Asn Gly Ala Asp Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

Ala Lys Gly Met Val Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 115
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 115
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Ala Lys Asp Arg Ile Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
            100   105
            110

Thr Leu Val Thr Val Ser Ser
        115

<210> 116
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 116
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1   5   10
                15

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

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

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

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

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

Ala Lys Ser Pro Ser Ser Arg Leu Lys Phe

Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 117
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 117
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

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

Glu Met Ser Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

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

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

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

Ala Lys Asp Arg Ile Pro Asn Leu Val Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 118
<211> 116
<212> PRT
<213> Artificial Sequence

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

<400> 118
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

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

Thr Val Ser Ser
115

<210> 119
<211> 120
<212> PRT
<213> Artificial Sequence

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

<400> 119
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

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

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 120
<211> 121
<212> PRT
<213> Artificial Sequence

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

<400> 120
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Glu Gly Tyr
20 25
30

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

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

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

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

Ala Lys Lys Pro Arg Gly Ile Trp Asp Gly
Asp Phe Asp Tyr Trp Gly
100 105
110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 121
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 121
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Ala Lys Gly Leu Ile Pro Asp Leu Gln Phe
Asp Tyr Trp Gly Gln Gly
            100   105
           110

Thr Leu Val Thr Val Ser Ser
        115

<210> 122
<211> 121
<212> PRT

<213> Artificial Sequence

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

<400> 122
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

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

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

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 123
<211> 120
<212> PRT
<213> Artificial Sequence

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

<400> 123
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

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

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

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

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

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

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

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 124
<211> 119
<212> PRT
<213> Artificial Sequence

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

<400> 124
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

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

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


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


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


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


Ala Lys Gly Arg Ile Pro Ser Leu Leu Phe
Asp Tyr Trp Gly Gln Gly
             100                 105
           110


Thr Leu Val Thr Val Ser Ser
```

115

<210> 125
<211> 120
<212> PRT
<213> Artificial Sequence

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

<400> 125
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

Ser Thr Ile Asn Asp Ile Gly Ser Asn Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

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

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

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

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 126
<211> 120
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 126
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

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

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

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

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

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

Ala Lys Arg Glu His Ala Gly Gln Pro Pro
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 127
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 127
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Asn Gly Tyr
            20                  25
          30


Ala Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
        35                  40
       45


Ser Thr Ile Asn Ala Asn Gly Lys Tyr Thr
Tyr Tyr Ala Asp Ser Val
    50                  55
   60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85                  90
              95


Ala Lys Lys Leu Thr Leu Ala Ser Asn Tyr
```

Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 128
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 128
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Met Asp Tyr
20 25
30

Asp Met Lys Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Thr Ala Leu Gly Lys Lys Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Ser Val Lys Tyr Pro Leu Asn
Leu Phe Asp Tyr Trp Gly
100 105
110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 129
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 129
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro His Tyr
20 25 30

Thr Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Gln Ser Pro Gly Trp Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Tyr Gly Asp Gly Leu Pro Leu Thr
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 130
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 130
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Gly Thr
20 25
30

Pro Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Arg Ile Gly Asp Glu Gly Gln Glu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Val Thr Pro Asp Leu Thr Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 131
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 131
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Ser Ser Ser
20 25
30

Ser Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Gly Ser Asp Gly Pro Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Arg Ile Pro Thr Leu His Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 132
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 132
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Pro Gly
20 25 30

Glu Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Asp Gly Ser Gly Ser Ser Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Asp Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Lys Gly Arg Ile Pro Thr Leu His Phe
Asp Tyr Trp Gly Gln Gly
            100   105
          110

Thr Leu Val Thr Val Ser Ser
        115

<210> 133
<211> 119
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 133
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Glu Ser
20 25 30

Met Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Gly Tyr Pro Gly Ala Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Gly Ser Arg Asp Asp Asn Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 134
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 134
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Gln His
20 25
30

Ser Met His Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Val Pro Gly Pro Lys Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Leu Arg Asp Leu Arg Pro Gly
Asp Ser Lys Ser Phe Asp
100 105
110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
Ser Ser
115 120

<210> 135
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 135
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Ser Ala

```
                20                  25
               30


Ala Met Asp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
          35                  40
         45


Ser Ser Ile Asn Asp Met Gly Ser Asn Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                  85                  90
                 95


Ala Lys Gln Gly Gly Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
              100                 105
             110
```

Thr Val Ser Ser
115

<210> 136
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 136
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Tyr Asp
20 25 30

Arg Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Asp Gly Pro Gly Gly Ala Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Glu Gly Arg Arg Val Pro Asp Phe Asp
Tyr Trp Gly Gln Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 137
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 137
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Glu Tyr
20 25 30

Glu Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Arg Ile Asp Pro Phe Gly Ser Glu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Glu Gly Val Val Pro Asp Leu Asn Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 138
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 138
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly

1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Lys Tyr
20 25 30

Val Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Gly Ser Tyr Gly Gly Ala Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Arg Leu Thr Leu Ser Ala Thr Lys
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 139
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 139
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Asp Tyr
20 25
30

```
Val Met Gly Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
         35                  40
        45


Ser Thr Ile Ala His Arg Gly Asp Ile Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
                95


Ala Lys Arg Arg Arg Leu Ser Asp Tyr Arg
Phe Asp Tyr Trp Gly Gln
             100                 105
            110


Gly Thr Leu Val Thr Val Ser Ser
         115                 120
```

<210> 140
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 140
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Gln Phe
20 25 30

Asp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Pro Ala Gly Thr Gly Thr Tyr Tyr Ala Asp Ser Val

50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ala Gly Asp Arg Ser Ser Leu Phe
Asp Tyr Arg Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 141
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 141
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Lys Asp Thr
20 25
30

Gly Met Thr Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Ser Tyr Gly Arg Asp Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Ala Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Asn Ala Ala Leu Gly Phe Asp
Tyr Trp Gly Gln Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 142
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 142
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Pro Tyr
20 25
30

Pro Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Asn Ala Pro Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Gln Gln Met Ser Ser Gly Val Phe Asp
Tyr Trp Gly Gln Gly Thr

100 105
110

Leu Val Thr Val Ser Ser
115

<210> 143
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 143
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Gln
20 25 30

Asp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35 40 45

Ser Ser Ile Asp Ser Ser Gly Gln Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Val Lys Ser Leu Ala Arg Phe Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 144

<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 144
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Glu Ser
20 25 30

Asp Met Lys Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Pro Asn Gly Trp Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Pro Ala Gln Val Leu Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 145
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 145
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Gln Tyr
20 25
30

Val Met Gly Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Thr Ile Gly Thr Ser Gly Lys Tyr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys

85 90
95

Ala Gln Arg Arg Ser Leu Thr Arg Val His
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 146
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 146
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Val Glu

20 25
30

His Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Thr Gly Asp Gly Asp Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Thr Val Ser Trp Asn Gly Arg Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 147
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 147
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Trp Tyr
20 25 30

Asn Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Arg Ile Ala Pro Ser Gly Ile Ile Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Leu Arg Gly Lys Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 148
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 148
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Glu Met Arg Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Ser Ala Gly Thr Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gln Ser Leu Asn Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 149
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 149
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly

1 5 10
15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly
Phe Thr Phe Asp Glu Glu
20 25
30

Pro Met Thr Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ile Ile Asp Pro Gly Gly Gly Ala Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Asn Ser Met Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 150
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 150
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Ala Tyr
20 25
30

```
Pro Met His Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
         35                  40
        45


Ser Ser Ile Ala Ser Ser Gly Ile Thr Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
                95


Ala Lys Phe Thr Arg Leu His Phe Pro Ala
Gln Phe Asp Tyr Trp Gly
             100                 105
            110


Gln Gly Thr Leu Val Thr Val Ser Ser
         115                 120
```

<210> 151
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 151
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Asp Tyr
20 25 30

Ala Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Arg Ile Ser Pro Glu Gly Ser Arg Thr Tyr Tyr Ala Asp Ser Val

50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Arg Pro Tyr Ala Ser Lys Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 152
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 152
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Pro Tyr
20 25
30

Asp Met Gly Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Thr Ile Ser His Gln Gly Asn Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Val Ser His His Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 153
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 153
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Ala Tyr
20 25
30

Asn Met Trp Trp Ala Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Trp Ile Asn Ser Thr Gly Ser Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asn Trp His Arg Gly Arg Phe Asp
Tyr Trp Gly Gln Gly Thr

100 105
110

Leu Val Thr Val Ser Ser
115

<210> 154
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 154
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Arg Tyr
20 25 30

Arg Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35 40
45

Ser Thr Ile Asn Arg Leu Gly Gln Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Val Lys Lys His Lys Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 155

<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 155
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala His Tyr
20 25 30

Asn Met Arg Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Thr Lys Thr Gly Phe Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ala Gly Gln Phe Asp Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 156
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 156
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Tyr Pro Tyr
20 25
30

Ser Met His Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Thr Ile Asp Gly Ser Gly Met Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys

85 90
95

Ala Glu Asp Ser Leu Lys Ala Ser Phe Asp
Tyr Trp Gly Gln Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 157
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 157
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Pro Leu Tyr

20 25
30

Gly Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Tyr Ile Gly Pro Tyr Gly His Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Lys Arg Lys Lys Lys Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 158
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 158
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Arg Tyr
20 25 30

Arg Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Thr Pro Tyr Gly Ala His Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Lys Tyr Gly Lys Trp Tyr Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
            100   105
           110

Val Thr Val Ser Ser
        115

<210> 159
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 159
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Glu Tyr
20 25 30

Ala Met Arg Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Asp Arg Leu Gly Leu His Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Gly Pro Phe Thr Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 160
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 160
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly

```
1               5                   10
                15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Arg Tyr
            20                  25
           30

Asn Met Arg Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
        35                  40
       45

Ser Thr Ile Asp Arg Leu Gly Leu Ala Thr
Tyr Tyr Ala Asp Ser Val
    50                  55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85                  90
               95
```

Ala Lys Ala Gly Ser Trp Ser Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 161
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 161
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Ile Tyr
20 25
30

```
Asp Met Lys Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
         35                  40
        45


Ser Thr Ile Ser Ser Ser Gly Thr His Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
                95


Ala Lys Tyr Pro Gln Pro Tyr Pro Phe Asp
Tyr Trp Gly Gln Gly Thr
             100                 105
            110


Leu Val Thr Val Ser Ser
         115
```

<210> 162
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 162
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Trp Val Tyr
20 25 30

Asp Met Arg Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Ser Ala Thr Gly Val His Thr Tyr Tyr Ala Asp Ser Val

50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Tyr Pro Pro Ala Gly Arg Phe Asp
Tyr Trp Gly Gln Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 163
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 163
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Thr Tyr
20 25
30

Asp Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Pro Asn Gly Thr Gly Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Pro Pro Gln Val Asn Thr Glu Phe
Asp Tyr Arg Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 164
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 164
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Lys Glu
20 25
30

Asp Met Gly Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser His Ile Ser Pro Asn Gly Tyr Ala Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Trp Ser Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val

100 105
110

Thr Val Ser Ser
115

<210> 165
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 165
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ala Thr
20 25 30

Pro Met Glu Trp Ala Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35 40
45

Ser Thr Ile Ser Glu Ser Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Trp Asn Ser Thr Thr Gly Phe Asp
Tyr Trp Gly Gln Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 166

<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 166
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Thr Val
20 25 30

Asp Met Glu Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Pro Asn Gly Trp Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Glu Ala Pro His Arg Ala Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 167
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 167
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Asp Lys
20 25
30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Arg Ile Asp Ala Leu Gly Asp Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys

85 90
95

Ala Glu Gly Met Val Pro Arg Leu Lys Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 168
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 168
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Asp His

Ser Met Met Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

Ser Asp Ile Glu Pro His Gly Val His Thr Tyr Tyr Ala Asp Ser Val

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

Ala Asn Pro Thr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val

Ser Ser

<210> 169
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 169
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Pro His
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Gly Pro Asp Gly Thr Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Arg Ser Tyr Ser Trp Asp Arg Gly
Trp Thr Phe Asp Tyr Trp
100 105
110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 170
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 170
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Tyr Ala Ser
20 25 30

Asp Met Lys Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Pro Asn Gly Trp Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ala Asp Tyr Thr Tyr His Ser Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 171
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 171
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly

1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala His Tyr
20 25
30

Asn Met Arg Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Thr Ile Thr Lys Thr Gly Phe Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ala Gly Gln Phe Asp Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 172
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 172
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser His Tyr
20 25
30

His Met Gly Trp Ala Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Val Ile Gly Pro Arg Gly Ile Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Pro Ser Arg His Arg Phe Asp
Tyr Trp Gly Gln Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 173
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 173
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Glu Tyr
20 25 30

Ala Met Arg Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Asp Arg Leu Gly Leu His Thr Tyr Tyr Ala Asp Ser Val

50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Gly Pro Phe Thr Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 174
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic polypeptide

<400> 174

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Asn Tyr
20 25 30

Ser Met Lys Trp Ala Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Thr Pro Asp Gly Trp Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Val Gly Asp Ala Val Trp Gly Trp
Ile Gly Gly Phe Asp Tyr
100 105
110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 175
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 175
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Asp Tyr
20 25
30

Gly Met Lys Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Thr Ser Asn Gly Asp Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Leu Tyr Lys Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 176
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 176
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly
Phe Thr Phe Pro Thr Tyr
20 25
30

Lys Met Gly Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Phe Ile Asp Tyr Trp Gly Trp Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Pro Tyr Ser Trp Thr His Asp
Ser Pro His Phe Asp Tyr
100 105
110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 177
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 177
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Pro Tyr
20 25 30

Thr Met Cys Trp Ala Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Cys Ile Ser Asp Ala Gly Ser Phe Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Arg Met Ser Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 178
<211> 122
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 178

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gln Asn Tyr
20 25 30

Gln Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Ser Gly Thr Gly Lys Asn Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
                95

Ala Lys Thr Pro Gln Asn Tyr Phe Ser Val
Arg Arg Phe Asp Tyr Trp
            100   105
            110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        115   120

<210> 179
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 179
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1   5   10
                15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Ala Tyr
20 25
30

Thr Met Gly Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Lys Ile Ser Thr Ser Gly Gly Gln Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Pro Leu Asn Trp Trp Ala Phe Asp

Tyr Trp Gly Gln Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 180
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 180
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Ala Tyr
20 25
30

Pro Met Thr Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

Ser Arg Ile Asp Gly Tyr Gly Arg His Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Ile Ile Pro Asn Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 181
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 181
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ala Val
20 25 30

Asp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Pro Ser Gly Ser Ala Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Arg Val Pro Asp Leu Gly Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 182
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 182
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Asp Ser Tyr
20 25
30

Ala Met Gly Trp Ala Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Gly Ala Lys Gly Leu Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ala Ala Arg Gly Lys Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
100 105
110

Val Thr Val Ser Ser
115

<210> 183
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 183
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Thr Arg Tyr
20 25
30

Gln Met Gly Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Val Ile Asn Val Trp Gly Ser Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Met Ser Gly Lys Phe Ala Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 184
<211> 117
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 184
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Asn Tyr
20 25 30

Ser Met Met Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Ile Pro Ala Gly Thr Ser Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Lys Pro Ser Ile Arg Leu Phe Asp Tyr
Trp Gly Gln Gly Thr Leu
            100   105
           110

Val Thr Val Ser Ser
        115

<210> 185
<211> 116
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 185
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ala Tyr
20 25 30

Asp Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Trp Ile Ser Pro Asn Gly Tyr Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Gly Val Lys Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 186
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 186
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Val Trp Tyr
20 25
30

Glu Met Ala Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Thr Ile Gln Ala Asp Gly Glu Gln Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ala Ser Tyr Ala Leu Val Tyr Pro
Pro Glu Glu Phe Asp Tyr
100 105
110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 187
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 187
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Thr Asn Tyr

Arg Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

Ser Ala Ile Asp Asp Leu Gly Val Ser Thr Tyr Tyr Ala Asp Ser Val

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

Ala Lys Trp Arg Leu Lys Asn Ser Gln Pro Thr Asp Phe Asp Tyr Trp

Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 188
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 188
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Gln Ala
20 25 30

His Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Phe Ile Asn Pro Ser Gly Tyr Tyr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Pro Ser Leu Ser Pro Ser Ser Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 189
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 189
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Thr Gly
20 25 30

Gln Met Gly Trp Ala Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asn Ile Asp Gly Ser Gly Thr Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Ser Thr Gln Asn Tyr Arg Phe Asp
Tyr Trp Gly Gln Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 190
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 190
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly

```
1               5                   10
                15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Ala Tyr
            20                  25
           30

Pro Met Tyr Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
        35                  40
       45

Ser Ser Ile His Lys Asp Gly Arg Ile Thr
Tyr Tyr Ala Asp Ser Val
    50                  55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85                  90
               95
```

Ala Lys Gln Gly Thr Pro Val Asp Gly Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 191
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 191
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Pro Asp Glu
20 25
30

```
Gly Met Thr Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
         35                  40
        45


Ser Thr Ile Glu Thr Gly Gly Thr Val Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
                95


Ala Lys Met Asp Gly Ser Gly Thr Trp Gln
Thr Phe Asp Tyr Trp Gly
             100                 105
            110


Gln Gly Thr Leu Val Thr Val Ser Ser
         115                 120
```

<210> 192
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 192
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Ser Leu
20 25 30

Gly Met Gly Trp Ala Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Arg Ala Glu Gly Ala Tyr Thr Tyr Tyr Ala Asp Ser Val

50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Tyr Leu Ala Asp Ser Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 193
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 193
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Glu Ser
20 25
30

Tyr Met Glu Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Asp His Ile Gly Gly Gly Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Asp Gly Arg Gly Gly Ser Met
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 194
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 194
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Gly Gly
20 25
30

Tyr Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Gly Ala Ser Gly Ala Tyr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Thr Gly Gly Arg Leu Asp Tyr Trp
Gly Gln Gly Thr Leu Val

100 105
110

Thr Val Ser Ser
115

<210> 195
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 195
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Glu Gly
20 25 30

His Met Gly Trp Val Arg Gln Ala Pro Gly Lys Asp Leu Glu Trp Val

35 40
45

Ser Tyr Ile Gly Ser Leu Gly Leu His Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Arg Glu Phe Ser Asn Gly Gly Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 196

<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 196
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Lys Thr Ser
20 25 30

Pro Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Asp Arg Thr Gly Gly His Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gln Ala Leu Leu Thr Asp Ala Lys
Arg Phe Asp Tyr Trp Gly
100 105
110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 197
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 197
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Asp Gly Arg
20 25
30

Asp Met Val Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Pro Ser Gly Leu Asp Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys

85 90
95

Ala Glu Arg Pro Gln Met Leu Val Thr Asn
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 198
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 198
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Asn Asp

20 25
30

Pro Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Gly Arg Glu Gly Asp Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Ser Met Arg His Gln Pro Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 199
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 199
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Glu Thr
20 25 30

Tyr Met Lys Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Gly Ala Ser Gly Ala Asp Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Phe Thr His Leu Asn Gly Arg Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 200
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 200
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Gly Trp
20 25 30

Pro Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Asp Ile Asp Gly Ala Pro Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Glu Ala Gly Ser Trp Ser Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 201
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 201
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly

1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Asp Gln
20 25
30

Ala Met Trp Trp Ala Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Phe Ile Gln Gly Asp Gly Gly Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Pro Ser Lys Pro Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 202
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 202
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Thr Gly
20 25
30

```
Gln Met Gly Trp Ala Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
         35                  40
        45


Ser Asn Ile Asp Gly Ser Gly Thr Tyr Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
                95


Ala Lys Ala Val Arg Asn Phe Ala Phe Asp
Tyr Trp Gly Gln Gly Thr
             100                 105
            110


Leu Val Thr Val Ser Ser
         115
```

<210> 203
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 203
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly His
20 25 30

Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Pro His Gly Thr His Thr Tyr Tyr Ala Asp Ser Val

50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Ile Arg Gly Trp Ile Gly His
Asp Thr Gln Pro Phe Asp
100 105
110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
Ser Ser
115 120

<210> 204
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 204
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Ser Lys
20 25 30

Asp Met Leu Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Ser Asp Gly Thr His Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Gln Glu Leu Gly Gly Ser Trp Gln Phe Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 205
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 205
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Asp Arg
20 25
30

Asp Met Val Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Gly Ala Ser Gly Thr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Ala Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Gly Thr Gly Pro Thr Asp Leu
Trp Asp Phe Asp Tyr Trp
100 105
110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 206
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 206
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Asp Asp Glu
20 25
30

Lys Met Leu Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Val Ser Gly Leu His Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Glu Ala Gly Ser Trp Ser Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 207
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 207
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Gln Glu
20 25 30

Arg Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ala Ser Gly Gly Thr Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Glu Ala Gly Ser Trp Ser Phe
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 208
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

polypeptide

<400> 208

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Met Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Arg
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 209
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 209
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 210
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 210
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Arg
Val Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 211
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 211
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Lys Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 212
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 212

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Ile
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Arg
Val Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 213
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 213
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25

30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Glu Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 214
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 214
Glu Val Gln Leu Leu Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Thr Ser
115

<210> 215
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 215
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe His Tyr Trp Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 216
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 216
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Gln Ala Pro Gly
Asn Gly Leu Glu Trp Ile
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 217
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 217
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Leu Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 218
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 218
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Lys Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Arg
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 219
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 219
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Met Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Arg
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 220
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 220
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Met Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 221
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 221
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ala Ile Ser Gly Asp Gly Trp Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gly Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 222
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 222
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Leu Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 223
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 223

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Glu Leu Gly Phe Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 224
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 224
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25

30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Glu Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 225
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 225
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Gly Leu Glu Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 226
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 226
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Ala Phe Phe Asp Tyr Trp Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 227
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 227
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Leu Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 228
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 228
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Glu Phe Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 229
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 229
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Gln Phe Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 230
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 230
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Leu Phe Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 231
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 231
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Arg Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Glu Phe Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 232
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 232
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Leu Leu Phe Phe Asp Tyr Arg
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 233
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 233
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ile Phe Glu Trp Tyr
20 25 30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asn Leu Glu Tyr Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 234
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 234

Glu Val Arg Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Glu Leu Gln Phe Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 235
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 235
Glu Val Gln Leu Leu Gly Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25

30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ser Lys Glu Pro Phe Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 236
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 236
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 237
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 237
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 238
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 238
Glu Val Gln Leu Leu Asp Pro Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Gly Lys Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Arg Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 239
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 239
Glu Val Gln Leu Leu Gly Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 240
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 240
Glu Val Gln Leu Leu Glu Pro Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Leu Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ser Lys Glu Pro Phe Arg Phe Asp Tyr Trp
Gly Gln Gly Ala Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 241
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 241
Glu Val Gln Leu Leu Asp Pro Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Lys Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 242
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 242
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Ile
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile His Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ser Lys Glu Pro Phe Arg Phe Asp Tyr Arg
Gly Leu Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 243
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 243
Glu Val Gln Leu Leu Asp Pro Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Lys Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ser Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Arg Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 244
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 244
Glu Val Gln Leu Leu Asp Ser Gly Gly Gly Phe Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Phe Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 245
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 245

Glu Val Gln Leu Leu Asp Pro Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Ile
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Asn Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Gly Arg Glu Pro Phe Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 246
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 246
Glu Val Arg Leu Leu Glu Ser Gly Glu Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25

30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 247
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 247
Glu Val Gln Gln Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 248
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 248
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Tyr Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 249
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 249
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Tyr Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 250
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 250
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Lys
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Phe Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 251
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 251
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Gln Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 252
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 252

Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Phe Ala Ala
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 253
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 253
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Pro Gly Thr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 254
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 254
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ala Ile Ser Arg Met Gly Phe Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 255
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 255
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Arg Trp Gly His Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 256
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 256

Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Leu Gly Trp Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 257
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 257
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25

30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Trp Gly Ala Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 258
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 258
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Arg Gln Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 259
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 259
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Val Ser Gly Trp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 260
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 260
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Trp Gly Trp Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 261
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 261
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Asn Gly Leu Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 262
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 262
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Leu Gly Trp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 263
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 263
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Ala Leu Gly Trp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 264
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 264
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Arg Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 265
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 265
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ala Ile Ser Arg His Gly Trp Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 266
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 266
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Arg Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 267
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 267

Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Ile Gly Asn Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 268
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 268
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25

30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly His Gly Trp Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 269
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 269
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Arg Trp Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 270
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 270
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Met Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 271
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 271
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Pro Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 272
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 272
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Gly Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 273
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 273
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Leu Tyr Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 274
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 274
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Met Tyr Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 275
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 275
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Asn Gly Phe Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 276
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 276
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ala Ile Ser Arg Thr Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 277
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 277
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Arg Glu Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 278
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 278

Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Pro Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Gln Gly Trp Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 279
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 279
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25

30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Gly Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 280
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 280
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Arg Thr Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 281
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 281
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Arg Asn Gly Arg Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 282
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 282
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Asn Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 283
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 283
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Lys Gly Ser Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 284
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 284
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Arg Gly Gly Trp Ser Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 285
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 285
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Arg Ser Gly Tyr Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 286
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 286
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Asn Gly Met Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 287
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 287
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Glu Glu
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ala Ile Ser Arg Asn Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 288
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 288
Glu Val Gln Leu Leu Glu Ser Gly Glu Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Glu His
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 289
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 289

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Ser Thr Phe Thr Glu Tyr
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Ile
35 40
45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Phe Cys
85 90

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 290
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 290
Glu Val Gln Leu Leu Glu Pro Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Thr Glu Tyr
20 25

30

Glu Met Ile Trp Val Arg Lys Ala Pro Gly
Lys Gly Met Glu Trp Val
35 40
45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Met Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Gly Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 291
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 291
Glu Val Gln Leu Leu Asp Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Glu Tyr
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 292
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 292
Glu Val Gln Leu Leu Gly Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Glu Tyr
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Ser Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Tyr Asp Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 293
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 293
Glu Val Gln Pro Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly
Phe Thr Phe Asn Glu Tyr
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 294
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 294
Glu Val Gln Leu Leu Glu Ser Gly Glu Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Glu Tyr
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 295
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 295
Glu Val Gln Leu Leu Asp Pro Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Glu Ser
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 296
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 296
Glu Val Gln Leu Leu Glu Pro Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Thr Glu Tyr
20 25
30

Glu Met Ile Trp Val Arg Lys Ala Pro Gly
Lys Gly Met Glu Trp Val
35 40
45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 297
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 297
Glu Val Gln Leu Leu Glu Ser Gly Val Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Thr Glu Tyr
20 25
30

Glu Met Ile Trp Val Arg Lys Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Asn Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 298
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 298
Glu Val Gln Leu Leu Glu Ser Arg Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Glu His
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Ser Val Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 299
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 299
Glu Val Gln Pro Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Glu Tyr
20 25 30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 300
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 300

Glu Val Gln Leu Leu Glu Ser Ala Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Glu Tyr
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Glu Pro Leu Arg Phe Asp Tyr Trp
Gly Gln Gly Ala Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 301
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 301
Glu Val Gln Leu Leu Glu Pro Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Thr Glu Tyr
20 25

30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Gly Asn Gly Ala Asn Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Leu Arg Phe Asp Asn Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 302
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 302
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asn Met Tyr
20 25 30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Lys Glu Pro Ile Thr Tyr Asp Leu Arg
Tyr Ala Arg Phe Asp Tyr
            100   105
          110

Ser Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
        115   120

<210> 303
<211> 123
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 303
Glu Glu Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asn Met Tyr
20 25 30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Ala Thr Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 304
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 304
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly
Phe Thr Phe Asn Met Tyr
20 25
30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Phe Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys

85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Gly Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 305
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 305
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly
Phe Thr Phe Asn Met Tyr
20 25
30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Asn
100 105

110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Asn
115 120

<210> 306
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 306
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asn Thr Tyr
20 25 30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Gly Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Leu Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Ser Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 307
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 307
Glu Val Gln Leu Met Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Ser Phe Asn Met Tyr
20 25 30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Ser Arg Arg Gly Tyr Thr Thr Tyr Tyr Ala Asp Ser Val

50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Trp Gly Arg Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 308
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 308
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Ala Phe Asn Met Tyr
20 25 30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Ser Arg His Gly Phe Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg Tyr Ala Arg Ser Asp Tyr
100 105
110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 309
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 309
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly
Phe Thr Phe Asn Met Tyr
20 25
30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Phe Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Ser Asp Tyr
100 105
110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 310
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 310
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly
Phe Thr Phe Asn Met Tyr

20 25
30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Ser Met Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Ser Gly Leu Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 311
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 311
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asn Met Tyr
20 25 30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Ser Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 312
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 312
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asn Met Tyr
20 25 30

Glu Met Ser Trp Val Arg Lys Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Ser Arg His Gly Phe Thr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 313
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 313
Glu Val Gln Leu Phe Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly
Phe Thr Phe Asn Met Tyr
20 25
30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
                95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Tyr
            100   105
            110

Trp Gly Arg Gly Thr Leu Val Thr Val Ser
Ser
        115   120

<210> 314
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 314
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1   5   10

15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly
Phe Thr Phe Asn Met Tyr
20 25
30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Trp Gly Arg Gly Thr Leu Val Thr Val Ser
Ser
115 120

<210> 315
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 315
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Ser Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly
Phe Ser Phe Asn Met Tyr
20 25
30

Glu Met Ser Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Tyr
100 105
110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser

Gly
115 120

<210> 316
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 316
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Asn Met Tyr
20 25 30

Glu Met Ser Trp Val Arg Lys Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

```
Ser Gly Ile Ser Arg Arg Gly Phe Thr Thr
Tyr Tyr Ala Asp Ser Val
    50                  55
   60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
               95


Ala Lys Glu Pro Ile Thr Tyr Asp Met Arg
Tyr Ala Arg Phe Asp Tyr
             100                 105
           110


Trp Gly Gln Gly Thr Leu Val Thr Val Ser
Ser
        115                 120



<210> 317
<211> 116
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 317
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 318
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 318

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 319
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 319
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Thr Lys Leu Pro Phe Ile Phe Glu Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 320
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 320
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Lys Leu Pro Phe Met Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
            100   105
           110

Thr Val Ser Ser
        115

<210> 321
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 321
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 322
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 322
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Ser Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Tyr Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Ile Phe Asp Asn Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 323
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 323
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ser Val Tyr His Cys
85 90
95

Ala Lys Pro Pro Phe Ile Phe Gly Asp Trp
Gly Pro Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 324
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 324
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Arg Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 325
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 325
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 326
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 326
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Val Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Met Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 327
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 327
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 328
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 328
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Ile Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Leu Lys Leu Pro Phe Ile Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 329
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 329

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Asp Asp
Thr Ala Val Tyr His Cys
85 90

Thr Lys Leu Pro Phe Ile Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 330
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 330
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Met Val Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Phe Phe Asp Ser Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 331
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 331
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 332
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 332
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 333
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 333
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Ser Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Tyr Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 334
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 334
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Val Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Met Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 335
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 335
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 336
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 336
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Thr Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 337
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 337
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Leu Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 338
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 338
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Asp Asp
Thr Ala Val Tyr His Cys
85 90
95

Thr Lys Leu Pro Phe Ile Phe Glu Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 339
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 339
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Phe Asp Ser Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 340
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 340

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90

Ala Lys Glu Pro Tyr Ser Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 341
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 341
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 342
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 342
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 343
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 343
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Asp Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 344
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 344
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Leu Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 345
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 345
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Leu Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 346
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 346
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 347
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 347
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Phe Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 348
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 348
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 349
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 349
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Met Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 350
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 350
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Thr Tyr Phe Ser Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 351
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 351

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Phe Phe Glu Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 352
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 352
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Thr Tyr Phe Lys Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 353
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 353
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe Ser Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 354
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 354
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Met Phe Phe Glu Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Asn
115

<210> 355
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 355
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Pro Phe Ser Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 356
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 356
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe Ser Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 357
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 357
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Tyr Gly Asn Leu Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 358
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 358
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Pro Gly Thr Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 359
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 359
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 360
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 360
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Met Gly Gly Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 361
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 361
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Ser His Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 362
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 362

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Ser Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Thr Phe Asp Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 363
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 363
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro His Gly Ser Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 364
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 364
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Ala Gly Arg Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 365
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 365
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Ser Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 366
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 366
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Pro Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 367
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 367
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Asp Ser Gly
Phe Thr Phe Pro Pro Val
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 368
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 368
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Tyr Gly Gly Leu Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 369
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 369
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Asn His Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 370
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 370
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro His Gly Gly Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 371
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 371
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Pro Gly Met Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 372
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 372
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Gln Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 373
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 373

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Tyr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 374
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 374
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Ser Gly Gly Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 375
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 375
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Ser Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 376
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 376
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Ser Gly Thr Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 377
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 377
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Tyr Gly Ser Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 378
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 378
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Tyr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 379
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 379
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Gly Leu Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 380
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 380
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Ser His Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 381
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 381
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Thr Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Arg Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 382
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 382
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Asn Gly Arg Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Ala Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 383
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 383
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Gln Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 384
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 384

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro His Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 385
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 385
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Ala Gly Met Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 386
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 386
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro His Gly Thr Leu Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
            100   105
           110

Thr Val Ser Ser
        115

<210> 387
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 387
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Ser Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 388
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 388
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Tyr Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 389
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 389
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Ala Gly Phe Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 390
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 390
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Arg Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Tyr Gly Gly Leu Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 391
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 391
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 392
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 392
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 393
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 393
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Tyr Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 394
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 394
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Thr Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 395
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 395

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Tyr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 396
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 396
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Tyr Gly Asn Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 397
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 397
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro His Gly Gly Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 398
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 398
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Ala Gly Phe Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 399
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 399
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Ala Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Asp Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 400
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 400
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Ala Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro His Gly Ser Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 401
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 401
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Ala Gly Gly Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Phe Thr Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 402
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 402
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Trp Phe Thr Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 403
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 403
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Met Phe Ser Asp Arg
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 404
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 404
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Leu Phe Gln Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 405
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 405
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Thr Arg Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 406
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 406

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 407
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 407
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 408
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 408
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Lys Leu Pro Thr Phe Phe Lys Asp Trp
Gly Gln Gly Thr Leu Val
            100   105
           110

Thr Val Ser Ser
        115

<210> 409
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 409
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Phe Phe Gln Glu Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 410
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 410
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Gln Leu Phe His Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 411
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 411
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Gln Leu Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 412
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 412
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Phe Gly Phe Ser Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 413
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 413
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Gln Leu Phe Gln Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 414
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 414
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Leu Pro Phe Phe Phe His Glu Trp Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 415
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 415
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro His Tyr Phe Lys Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 416
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 416
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Ser Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe Glu Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 417
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 417

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Arg Phe Ser Asp Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 418
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 418
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Leu Pro Thr Leu Phe Gln Asp Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Ser
115

<210> 419
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 419
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe Ser Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Asn
115

<210> 420
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 420
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Trp Phe Gln Glu Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 421
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 421
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Ser Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe Gln Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 422
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 422
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Ser Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Met Phe Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Asn
115

<210> 423
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 423
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Ser Leu Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 424
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 424
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Ser Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Phe Phe Gln Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 425
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 425
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Ser Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Phe Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 426
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 426
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40

45

Ser Ala Ile Asn Pro Trp Gly Gly Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe Gln Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 427
<211> 116

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 427
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Gly Phe Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Met Phe Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Asn
115

<210> 428
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 428

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 429
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 429
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25

30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Phe Phe Gln Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 430
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 430
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Gly Phe Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Phe Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 431
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 431
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Gly Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe Gln Glu Trp Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 432
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 432
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10

15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Met Phe Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Asn
115

<210> 433
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 433
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Trp Gly Gly Leu Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 434
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 434
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Gly Leu Thr Tyr Tyr Ala Asp Ser Val
50 55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Phe Phe Gln Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 435
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 435
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Trp Gly Gly Leu Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Phe Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 436
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 436
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Leu Pro Met Phe Phe Glu Asp Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser
115

<210> 437
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 437
Glu Val Gln Leu Leu Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
20 25 30

His Met Gln Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40

45

Ser Met Ile Asp Ala Asp Gly Leu Gly Thr
Tyr Tyr Ala Asp Pro Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Lys Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Pro Gly Pro Gln Phe Gly Gln Phe
Asp Tyr Leu Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 438
<211> 119

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 438
Glu Val Gln Leu Phe Glu Ser Gly Gly Gly Leu Val Gln Thr Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
20 25 30

His Met Gln Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Met Ile Asp Ala Asp Gly Leu Gly Lys Tyr Tyr Ala Asp Pro Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Val Lys Pro Gly Pro Gln Phe Gly Gln Tyr
Asp Tyr Trp Gly Gln Gly
100 105
110

Thr Leu Val Thr Val Ser Ser
115

<210> 439
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 439

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly
Phe Thr Phe Ser Gly Tyr
20 25
30

Asp Met Gln Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Thr Ile Ser Ala Ser Gly Val Tyr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90

Ala Lys Tyr Pro Asn Arg Phe Ala Leu Asn
Ser Phe Asp Tyr Arg Gly
100 105
110

Arg Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 440
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 440
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ser Gly Tyr
20 25

30

Asp Met Gln Trp Val Arg Gln Ala Pro Gly
Arg Gly Leu Glu Trp Val
35 40
45

Ser Thr Ile Ser Ala Ser Gly Val Tyr Thr
Tyr Tyr Thr Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Thr Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Thr Lys Tyr Pro Asn Arg Phe Ala Arg Asn
Asn Phe Asp Tyr Trp Gly
100 105
110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 441
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 441
Asp Ile Leu Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn Ser Ser Ile Leu Trp Ala
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile
35 40 45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
                85   90
               95

Thr Phe Ser Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 442
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 442
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asp
Ser Ser Ile Leu Trp Ala
20 25
30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln

Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 443
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 443
Asp Ile Gln Met Thr Val Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asp Ser Ser Ile Leu Trp Ala
20 25
30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 444
<211> 108

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 444
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn Ser Ser Ile Leu Trp Ala
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Asp Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 445
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 445
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn
Ser Ser Ile Leu Trp Ala
20 25
30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Glu Ser Ser Thr Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile

Lys Arg
100 105

<210> 446
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 446
Asp Ile Gln Met Thr Val Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn Ser Ser Ile Leu Trp Ala
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
                85   90
               95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 447
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 447
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asp Ser Ser Ile Leu Trp Ala
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Asp Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 448
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 448
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn
Ser Ser Ile Leu Trp Ala
20 25
30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Glu Leu Leu Ile
35 40
45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 449

<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 449
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn Ser Ser Ile Leu Trp Ala
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln Asn Ala Val Trp Pro Gly
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Asn Lys Arg
100 105

<210> 450
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 450
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10

15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn
Ser Ser Ile Leu Trp Ala
20 25
30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 451
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 451
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn Ser Ser Ile Leu Trp Ala
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Ile
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
                85   90
               95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 452
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 452
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn
Ser Ser Ile Leu Trp Ala
20 25
30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 453
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 453
Asp Ile Leu Leu Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn
Ser Ser Ile Leu Trp Ala
20 25

30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 454
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 454
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Asn Ser Ser Ile Leu Trp Ala
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Thr Gly Thr Asp Phe Thr Leu Thr
Ile Ser Gly Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Asp Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 455
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 455
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly

1 5 10
15

Asp Arg Val Thr Ile Pro Cys Arg Ala Asn
Ser Ser Ile Leu Trp Ala
20 25
30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Glu Ser Ser Ser Gly Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Ala Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Val Gln
Asn Ala Val Trp Pro Gly
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 456
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 456
Asp Ile Gln Met Ala Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40

45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Ala Ser Pro Pro Leu
85 90 95

Thr Leu Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 457
<211> 108
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 457
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Ser Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Ala Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Asn Val Glu Ile
Lys Arg
100 105

<210> 458
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 458
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg

20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Ala Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 459
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 459
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Arg Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55

60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 460
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 460
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser

Leu Ser Ala Ser Val Gly
1 5 10
15

Glu Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Ser Ala Thr Tyr Tyr Cys His Gln
Tyr Ala Ser Pro Pro Leu
85 90
95

Thr Leu Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 461
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 461
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile

35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Ala Ser Pro Pro Leu
85 90
95

Thr Leu Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 462
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 462
Asp Ile Gln Ile Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Asp Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70

75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Glu Ser Pro Pro Leu
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 463
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 463
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser

Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Glu
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Trp
100 105

<210> 464
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 464
Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50 55
60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 465
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 465

Asp Ile Gln Met Ser Gln Ser Pro Ser Thr
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90

Met Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 466
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 466
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys

Asp Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 467
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 467
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 468
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 468
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Phe Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 469
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 469
Asp Ile Gln Met Thr Gln Tyr Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val

Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 470
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 470

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Arg Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Pro Tyr Glu Ser Pro Pro Leu

85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 471
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 471
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Ala Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Ala Ser Pro Pro Leu
85 90
95

Thr Leu Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 472
<211> 108
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 472
Asn Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ala Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr

Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 473
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 473
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Gly Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Ser Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg

100 105

<210> 474
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 474
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
                85   90
               95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 475
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 475
Asp Ile Gln Met Thr Gln Thr Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Glu
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln

Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Lys Ile Lys Arg
100 105

<210> 476
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 476
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Ser Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 477
<211> 108

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 477
His Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Glu Ser Pro Pro Leu
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 478
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 478
Asp Val Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Glu
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Thr Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Ala Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile

Lys Arg
100 105

<210> 479
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 479
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
                85   90
               95

Thr Phe Gly Gln Gly Thr Lys Val Val Ile
Lys Arg
            100   105

<210> 480
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 480
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 481
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 481
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Pro Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 482

<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 482
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Gly Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 483
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 483
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10

15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Ser Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Ile Arg
100 105

<210> 484
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 484
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Thr Ile Glu Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
                85   90
               95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 485
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 485
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Ser Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Tyr Leu Ala Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 486
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 486
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25

30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile
35 40
45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Phe Glu His Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 487
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 487
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Phe Pro Ile Asp Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 488
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 488
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly

```
1               5                   10
                15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Ser Thr Ile Gly Arg Arg
            20                  25
           30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile
        35                  40
       45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50                  55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65                  70
75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
                85                  90
               95
```

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 489
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 489
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Ser Gln Ile Gly Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile
35 40

45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 490
<211> 108
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 490
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Arg Ile Gly Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 491
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 491
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Gln Ile Gly Arg Arg

20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile
35 40
45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 492
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 492
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Pro Ile Ala Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55

60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 493
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 493
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser

Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gly Asn Ile Gly Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile
35 40
45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 494
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 494
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Asn Ile Asp Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile

35 40
45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 495
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 495
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Gly Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70

75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Glu Ser Pro Pro Leu
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 496
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 496
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser

Gln Asn Ile Gly Thr Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile
35 40
45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 497
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 497
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Val Ile Gly Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 498
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 498

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Glu Ala Ile Gly Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile
35 40
45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 499
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 499
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Thr Ser Ile Ala Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys

Ala Pro Arg Leu Leu Ile
35 40
45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 500
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 500
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Leu Asn Ile Gly Arg Arg
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Leu Ala Thr Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 501
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 501
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Thr Ile Glu Arg Arg
20 25
30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Arg Leu Leu Ile
35 40
45

Tyr Leu Ser Ser Lys Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln
Tyr Glu Ser Pro Pro Leu
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 502
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 502
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Ile Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 503
<211> 116
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 503
Glu Val Gln Pro Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Ile
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 504
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 504
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Ser Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Thr Gly
Ser Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Tyr Asp Tyr Trp

Gly Gln Gly Thr Leu Val
100 105
110

Ser Val Ser Ser
115

<210> 505
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 505
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 506
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 506
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 507
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 507
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Ser Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Val Lys Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 508
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 508
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Ser Thr Ile Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Pro Val
100 105
110

Thr Val Ser Ser
115

<210> 509
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 509
Glu Val Gln Leu Met Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Tyr Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Arg Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 510
<211> 116
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 510
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp

Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 511
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 511
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Ser Thr Ile Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 512
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 512
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

```
Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
         35                  40
        45


Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
               95


Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
             100                 105
           110


Ser Val Ser Ser
```

115

<210> 513
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 513
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Ile Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 514
<211> 116
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 514
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Thr Arg Asp Asp Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 515
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 515
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Phe Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Thr Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Tyr Trp

Arg Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 516
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 516
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ala Gly Tyr
20 25
30

Glu Val Trp Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 517
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 517
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Ile
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Lys Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 518
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 518
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 519
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 519
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Leu Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ala Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 520
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 520
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Leu Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Arg
Gly Gln Gly Thr Leu Val
            100   105
          110

Thr Val Ser Ser
        115

<210> 521
<211> 116
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 521
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Pro Gly Phe Thr Leu Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp

Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 522
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 522
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Leu Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Thr Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 523
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 523
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

```
Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
         35                  40
        45


Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
               95


Ala Lys Glu Pro Tyr Ser Tyr Asp Tyr Trp
Gly His Gly Thr Leu Val
             100                 105
           110


Thr Val Ser Ser
```

115

<210> 524
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 524
Glu Val Gln Pro Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Asn Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Gly Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 525
<211> 116
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 525
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Phe Asp Ser Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 526
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 526
Glu Ala Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Leu Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp

Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 527
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 527
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Ser Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Phe Asp His Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 528
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 528
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 529
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 529
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Phe Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Asn Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 530
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 530
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Glu Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Phe Asp His Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 531
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 531
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Tyr Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
    50   55
   60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65   70
75   80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                85   90
               95

Ala Lys Glu Pro Tyr Ser Phe Asp His Arg
Gly Gln Gly Thr Leu Val
            100   105
           110

Thr Val Ser Ser
        115

<210> 532
<211> 116
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 532
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn

Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
85 90
95

Ala Lys Glu Pro Tyr Ser Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 533
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 533
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Phe Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Asn Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 534
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 534
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

```
Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
         35                  40
        45


Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
     50                  55
    60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
               95


Ala Lys Glu Pro Tyr Ser Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
             100                 105
           110


Thr Val Ser Ser
```

115

<210> 535
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 535
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Asn Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 536
<211> 116
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 536
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr His Cys
                85   90
                95

Ala Lys Glu Pro Tyr Ser Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
            100   105
            110

Thr Val Ser Ser
        115

<210> 537
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 537
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1   5   10
                15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Met Trp Trp Phe Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Asn Trp

Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 538
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 538
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25
30

Glu Leu Trp Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Asp Pro Tyr Ser Phe Asp Tyr Arg
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 539
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 539
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ala Gly Tyr
20 25 30

Glu Leu Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Arg Asp Pro Tyr Ser Phe Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 540
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 540
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Pro Thr Ala
20 25
30

Glu Met Leu Trp Val Arg Lys Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 541
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 541
Glu Val Gln Leu Leu Val Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly

Phe Thr Phe Pro Thr Ala
20 25
30

Glu Met Leu Trp Val Arg Gln Ala Pro Gly
Lys Gly Pro Glu Trp Val
35 40
45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 542
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 542
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Thr Ala
20 25 30

Glu Met Val Trp Val Arg Lys Ala Pro Gly Met Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Ala Ser Gly Gly Tyr Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Met Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Ala Leu Val Thr Val Thr Ser
115 120

<210> 543
<211> 120
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 543
Glu Val Gln Leu Leu Val Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Thr Ala
20 25 30

Glu Met Val Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Ser Ile Ser Arg Asp Asp

Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly His
100 105
110

Gly Ala Leu Val Thr Val Ser Ser
115 120

<210> 544
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 544
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly

Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Pro Thr Ala
20 25
30

Glu Met Leu Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 545
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 545
Glu Ala Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Pro Thr Ala
20 25
30

Glu Met Val Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Ile
35 40
45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Arg
100 105
110

Gly Thr Leu Val Thr Val Ser Ser

115 120

<210> 546
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 546
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Thr Ala
20 25 30

Glu Met Leu Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr

Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Ser Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Pro
100 105
110

Gly Ala Leu Val Thr Val Ser Ser
115 120

<210> 547
<211> 120
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 547
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Thr Ala
20 25 30

Glu Met Leu Trp Val Arg Lys Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Phe
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 548
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 548
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Pro Thr Ala
20 25
30

Glu Met Leu Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr

Phe Asp Tyr Trp Gly Pro
100 105
110

Gly Ala Leu Val Thr Val Ser Ser
115 120

<210> 549
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 549
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Thr Ala
20 25
30

Glu Met Leu Trp Val Arg Gln Ala Pro Gly

Lys Gly Leu Glu Trp Val
35 40
45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Tyr Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 550
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 550
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Pro Thr Ala
20 25 30

Glu Met Leu Trp Val Arg Lys Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Ala Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Ala Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Glu Pro Val Ser Tyr Val Ala Thr
Phe Asp Tyr Trp Gly Gln
100 105
110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 551
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 551
Asn Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Thr Trp Tyr Gln His Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln

Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 552
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 552
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25
30

```
Leu Ser Trp Tyr Gln Gln Lys Pro Arg Lys
Ala Pro Lys Leu Leu Ile
         35                  40
        45


Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
     50                  55
    60


Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu His Pro
65                  70
75                  80


Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Pro
                 85                  90
                95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100                 105



<210> 553
<211> 108
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 553
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Thr Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Val
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Gly Val Leu Trp Pro Pro
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Asn Ile Arg
100 105

<210> 554
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 554
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Ala Thr Leu
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Pro
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile

Lys Arg
100 105

<210> 555
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 555
Asp Ile Gln Met Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Ala Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Pro
                85   90
               95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 556
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 556
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Thr Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Gly Val Leu Trp Pro Pro
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 557
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 557
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Ser Leu
20 25 30

```
Leu Ser Trp Tyr Gln His Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
         35                  40
        45


Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50                  55
   60


Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65                  70
75                  80


Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
                 85                  90
               95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100                 105


<210> 558
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<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 558
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 559
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 559
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10

15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln His Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Met Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 560
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 560
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
                85   90
               95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 561
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 561
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Thr Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln His Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 562
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 562
Asn Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25

30

Leu Ser Trp Tyr Gln His Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 563
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 563
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Asn Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 564
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 564
Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly

```
1               5                   10
                15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
            20                  25
           30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Thr Lys Leu Leu Ile
        35                  40
       45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50                  55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65                  70
75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Pro
                85                  90
               95
```

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 565
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 565
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Tyr Ala Ser Val Gly
1   5   10
                15

Asp Arg Val Thr Ile Thr Cys Arg Val Ser
His Phe Ile Gly Thr Leu
            20   25
            30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
        35   40

45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Gly Val Leu Trp Pro Pro
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Gln
100 105

<210> 566
<211> 108
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 566
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Gln Lys Pro Arg Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Pro
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 567
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 567
Asp Ile Gln Ile Ile Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu

20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Pro
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 568
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 568
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Leu Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55

60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 569
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 569
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser

Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln Leu Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Trp Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Asn
Lys Arg
100 105

<210> 570
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 570
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln Leu Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile

35 40
45

Thr Tyr Gly Ser Leu Leu Gln Arg Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 571
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 571
Asp Ile Gln Met Thr Gln Ala Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Leu Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70

75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Asn
Lys Arg
100 105

<210> 572
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 572
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser

His Phe Ile Gly Ser Leu
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Ala Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 573
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 573
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Ser Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 574
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 574

Asp Ile Leu Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Ser Leu
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105

<210> 575
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 575
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Val Ser Trp Tyr Gln Gln Lys Pro Gly Lys

Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Tyr Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 576
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 576
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Val Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Asn
Lys Arg
100 105

<210> 577
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 577
Asp Ile Lys Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Val Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Met Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 578
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 578
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Val Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val

Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 579
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 579
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Trp Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala

85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 580
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 580
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln Leu Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Trp Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 581
<211> 108
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 581
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Phe Gly Thr Asp Phe Thr Leu Thr

Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Glu Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 582
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 582
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Ser Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Phe Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Leu Ala Thr Tyr Tyr Cys Gly Gln
Glu Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg

100 105

<210> 583
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 583
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser His Phe Ile Gly Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Phe Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Glu Val Leu Trp Pro Ala
                85   90
               95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
            100   105

<210> 584
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 584
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Phe Gly Thr Glu Phe Thr Leu Thr
Ile Gly Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln

Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 585
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 585
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Thr Leu
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Thr Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Pro
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg
100 105

<210> 586
<211> 108

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 586
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Ala Ser Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile Lys Arg
100 105

<210> 587
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 587
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Ala Gln Leu
20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile

Lys Arg
100 105

<210> 588
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 588
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Ala Gln Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50   55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65   70
75   80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
                85   90
               95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Arg Arg
            100   105

<210> 589
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic

polypeptide

<400> 589
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Tyr Ile Ala Ser Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Ala Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Gly Val Leu Trp Pro Ala
85 90 95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile Lys Arg
100 105

<210> 590
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 590
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Ser Leu
20 25 30

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Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
         35                  40
        45


Thr Trp Ala Ser Tyr Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50                  55
   60


Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65                  70
75                  80


Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
                 85                  90
               95


Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
            100                 105
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<210> 591

<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 591
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Ser Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Trp Thr Ser Tyr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 592
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 592
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10

15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Ser Leu
20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Trp Ser Ser Tyr Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile Lys Arg
100 105

<210> 593
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 593
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Ser Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Trp Gly Ser Trp Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 594
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 594
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Ser Leu
20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Trp Ala Ser Trp Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 595
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 595
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Ser Leu
20 25

30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Trp Ser Ser Trp Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 596
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 596
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Trp Ile Ala Gln Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 597
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 597
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly

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1               5                   10
                15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Ser Leu
            20                  25
           30

Leu Arg Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
        35                  40
       45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
    50                  55
   60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65                  70
75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
                85                  90
               95
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Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 598
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 598
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Arg Ile Ala Gln Leu
20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40

45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile Lys Arg
100 105

<210> 599
<211> 108
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 599
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Tyr Ile Ala Ser Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 600
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 600
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Ser Leu

20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Arg Phe Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 601
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 601
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Ser Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Lys Ser Tyr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55

60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 602
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 602
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser

Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Ser Leu
20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Trp Gly Ser Tyr Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 603
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 603
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Trp Gly Pro
20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile

35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Ser Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 604
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 604
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Trp Ile Ala Thr Leu
20 25 30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70

75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 605
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 605
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser

His Phe Ile Trp Gly Pro
20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 606
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 606
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Phe Ile Gly Ser Leu
20 25 30

Leu Asn Trp Tyr Gln Val Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Thr Tyr Gly Ser Leu Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90
95

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile
Lys Arg
100 105

<210> 607
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 607

Gly Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
His Phe Ile Gly Ser Leu
20 25
30

Leu Ser Trp Tyr Gln Val Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Thr Tyr Gly Ser Trp Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gly Gln
Gly Val Leu Trp Pro Ala
85 90

Thr Phe Gly Gln Gly Thr Thr Val Glu Ile Lys Arg
100 105

<210> 608
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 608
gaggtgcagc tgttggagtc cgggggaggc ttggtacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttactttc aggagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 609
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 609
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

ttttactttc acgagtgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 610
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 610
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag tggtatgaga tgcagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 611
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 611
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

tttcgttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 612
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 612
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttact
gagtatgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatct
atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagccg
300

cttaggtttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 613
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 613
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtacag cctccggatt cacctttaat
atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attagtaggc gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

attacgtatg ctatgaggta tgcgcgtttt
gactactggg gtcagggaac cctggtcacc
360

gtctcgagc
369

<210> 614
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 614
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttatttttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 615
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 615
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg acttatcata tgcagtgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcaatg attgatgcgg atggtcttgg gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaccgggt
300

ccgcagtttg gtcagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc

357

<210> 616
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 616
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cttccggatt caccttttcg gggtatgata tgcagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg attagtgcgt cgggtgtttt tacatactac
180

gcagactccg tgaagggccg gttcaccacc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatatcct
300

aatcgttttg cgcttaataa ttttgactac tggggtcagg gaaccctggt caccgtctcg 360

agc 363

<210> 617
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 617
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat

ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgttcag
aatgcgggtt ggcctggtac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 618
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 618
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattgag
cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaagctcct gatctatctt
gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgcgagtc caccttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 619
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 619
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct

attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagatcct
300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 620
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 620
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttccg
actgctgaga tggtgtgggt ccgccaggct

120

ccagggaagg gtctagagtg ggtctcatct
atttcggcta gtggtggttc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagccg
300

gtgagttatg tggcgacgtt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 621
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 621
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 622
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 622
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttccg
aagaatgaga tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg
attgagtcgg atggtcaggc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgctgaggac
accgcggtat attactgtgc gaaaaatcgg
300

attcctgatc ttgtgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 623
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 623
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat
gctggggcta tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
attgataagg agggtctgtc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaaggtagg
300

attcctgggc tggtttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 624
<211> 357
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 624
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttggt gatgcggcga tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagcg attcagccta tgggtgatgg tacatactac 180

gcagactccg tgaagggccg gttcaccgtc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggcgt 300

attcctactc ttcagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 625
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 625
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag gattcgccta tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attacttcga atggttatga gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggcgt 300

attcctactc ttcattttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 626
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 626
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgat gagcatgata tgagttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgt attggtccgg atggttttca tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggcgt 300

attcctactc ttcattttga ctactggggt cagggaaccc tggtcaccgt ctcgagc

357

<210> 627
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 627
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttggt gagtatcata tgtcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagg attactcctc ttggtacgct tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggcgt
300

attccttcgc ttacgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 628
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 628
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttggt
acgaatgcga tgagttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcaagg
atttcgccgg gtggtgatta tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtgt attactgtgc gaaagggcgt 300

gttccggatc tgctttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 629
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 629
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttccg tctgaggaga tgtcttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagg atttcggctg atggtgctaa tacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
gccgcggtat attactgtgc gaaagggcgt
300

gttccggatc tgcttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 630
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 630
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gaggatgata tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attgcggttg atggtgatcg gacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtaag
300

gttccgtctc ttcattttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 631
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 631
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggatc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttagg acgatggata tgtcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt attacgggtg atggtatgaa tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccggggac accgcggtat attactgtgc gaaaggggtg 300

actccggatt tgacttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 632
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 632
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag
cgtgatgata tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attaatgctg ggggtgtgca tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaaggggtg
300

actccggatt tgacttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 633
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 633
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgat
gatgattcta tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgg
atttcgagtg atggtgcgag tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaggggtg
300

actccggatt tgacttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 634
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 634
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttact
gaggaggata tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attgatagtg ttggtgaggg gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaggggtg
300

actccggatt tgacttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 635
<211> 357
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 635
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttct gattcggcga tgagttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgg attgataatc ctggtcagca tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaaggtact 300

gttcctacgc tggagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 636
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 636
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttggg cagcatagta tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgt attgatggtg ggggttataa tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggggag 300

gttcctcgtc ttcattttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 637
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 637
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttggt caggagccta tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgg attgcgtata atggtggtga tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggatt
300

actcctaatt tgacttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc

357

<210> 638
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 638
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag aattatccga tgtcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt attaatgcta cgggttctat tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggggtt
300

attcctcatt tgatgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 639
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 639
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgt
gattatgata tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attactggta ctggtaatag tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gcaaggggtg
300

gtgccgtatc ttgcttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 640
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 640
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
gctgatgcga tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagg
attaatgtgg atggtgatcg gacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaggtact
300

gttcctacgc tggagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 641
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 641
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat
cgggcggata tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagg
atttcggggg agggtaagtg tacatactac

180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggatg
300

gttcctaatt tggtttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 642
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 642
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcat
tgggagccga tgtcttgggt ccgccaggct
120

ccggggaagg gtctagagtg ggtctcacgt attaattctt ctggttggga tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggatg
300

gttcctaatt tggtttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 643
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 643
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgct
gatgagccga tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attcctcctg agggtgctcc gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggatt
300

actcctaatt tgacttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 644
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 644
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcat
aatcatgata tgtcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attagtcggg gtggtcttca gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggatt
300

gtgccggatc tgcattttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 645
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 645
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaat
gagtatccta tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attaatgggg atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggatt
300

attccggcta tgcagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 646
<211> 357
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 646
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttggg gatgtgccta tgtcgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagg attgatcctt atggttctaa tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtatt 300

atgcctagtc ttacttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 647
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 647
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttgcg gattatgata tgtcttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgt atttcggcgc ttggtgctac tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtcag 300

cttccggcgt tggagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 648
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 648
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttaag cgttattata tgacttgggt ccgccaggct 120

ccagggaagg atctagagtg ggtctcaggt attgttcctt ctggtaatag gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtagg 300

attccggatc tgcattttga ctactggggt cagggaaccc tggtcaccgt ctcgagc

357

<210> 649
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 649
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct gattatgata tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagg atttctccga cgggtgggca gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtgtt
300

attccgtatt tgtctttttc tccgtttgac
tactggggtc agggaaccct ggtcaccgtc
360

tcgagc
366

<210> 650
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 650
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttct
aagtattgga tgggttgggc ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg
attgattcgc atggtgctgg tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgtcgaggac
accgcggtat attactgtgc gaaaggtgct
300

cctaagttta tgactacgta tacgtttgac
tactggggtc agggaaccct ggtcaccgtc
360

tcgagc
366

<210> 651
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 651
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttg
tcttatccga tgcattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg attgattcga ggggttcggt tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtcat
300

agttggacgt ttgactactg gggtcaggga accctggtca ccgtctcgag c
351

<210> 652
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 652
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgcg
aatagtaata tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attaatccgg atggtgggtc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc ggaagggcgt
300

attcctactc ttcattttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 653
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 653
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggg
ccgaggagga tgggttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg
attgatgata ttggtcgtag gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc ggaaggggcg
300

cagggtgtgt tgttgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 654
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 654
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag
gattatagga tggtttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg
atttctactt ctggtgagct gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc ggaaacggcg
300

ggtcagtttt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 655
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 655
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttccg gagtatgaga tggtttgggt ccgccaggct 120

ccagggaagg gtctggagtg ggtctcagcg atttcgcgtg agggtcgggc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acaacctgcg tgccgaggat accgcggtat attactgtgc gaaagagcct 300

gttcgttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 656
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 656
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg acttatgaga tgctttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct atttcttctt ctggtaatta tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg
300

ctgatgtttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 657
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 657
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat actgaggaga tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg attagtccta atggtgcttt tacattctac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagcct
300

attctgtttg actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 658
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 658
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttggt cattatgata tggtttgggt ccgccaggct
120

ccagggaggg gtctagagtg ggtctcaact attaatggtg ctggtctgaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gcaaagtgct
300

agtcgtattt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 659
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 659
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttagg
agttatgaga tggcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
attagtactc tgggtacgaa gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gcaatcttct
300

actcatattt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 660
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 660
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttatt
aggtatgaga tggcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt
atttcgtcgt ctggttggac gacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaaagtgat
300

gctcatattt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 661
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 661
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttat
gcttatgaga tggcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
atttcggatg atggtacgcg gacatactac

180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagatctg
300

gggcaggggt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 662
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 662
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttgct
gatcatggga tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggg attggtccgt ctggtgaggc gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagatcgt 300

attcctaatc ttgtgtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 663
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 663
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag
tctcaggata tgtcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attagtccga atggttggga tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagatagg
300

tctgattttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 664
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 664
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggg
gattatgata tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagg
attcgtcatc cgggtggtgt tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagctgtt
300

cctaagggtt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 665
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 665
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gtttattgga tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
attgatccgc agggtgggat gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tctcgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagcgcgt
300

attcctaatt tggagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 666
<211> 357
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 666
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctggggagtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttagt gcttatgata tgacgtgggt ccgccaggct 120

ccagggaagg gtcttgagtg ggtctcacgt attaatccga cgggttctta tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagctaag 300

attccgaatt tggtttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 667
<211> 363
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 667
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgcg gatagtgaga tgatgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaggt attgcgcata atggtgggca tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagctggt 300

catcctcagc agactgaggc ttttgactac tggggtcagg gaaccctggt caccgtctcg 360

agc

<210> 668
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 668
gagatgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttgct acttatgata tgtattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaaag atttctccga atggttggag tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatatcag
300

acgcattttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 669
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 669
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttagt
gtttatgata tgaggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
atttcttctt cgggtacgta tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaatatcct
300

aagaattttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 670
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 670
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttct
catgaggata tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt
attagtccga atggttggga tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacgtact
300

aggagtaagt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 671
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 671
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
aagtatatta tgggttgggc ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
attgattatt ggggtcagca tacatactac

180

gcagactccg tgaagggccg gttcactatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacgtagt
300

catcttattc ctctgcagtt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 672
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 672
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttct
gattatgcga tggggtgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcaacg
atttcgtatg tgggttatta tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaaaggct
300

ctgcgggggg aggcgtttac ggagcgtttt
gactactggg gtcagggaac cctggtcacc
360

gtctcgagc
369

<210> 673
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 673
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggt
ccgtatatga tgcattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
attgaggtta atggtaatag gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaatgggtt
300

ggttcgaaga cgtcgtcgga taagagtttt
gactactggg gtcagggaac cctggtcacc
360

gtctcgagc
369

<210> 674
<211> 360
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 674
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttggt acgacggaga tggcttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagt attggtagtg ctggtgcttg gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaaattggt 300

gggcatcctc agggtcagtt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 675
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 675
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgcctc 60

tcctgtgcag cctccggatt cacctttcct agggagtgga tggcttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagt attcagccta tgggtcagac tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaatattct 300

cggaataagg ggtttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 676
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 676
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttacg agtgagtata tggggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct attcagaggt atggtagtac gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacatgag
300

tctaattggg agacttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc

357

<210> 677
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 677
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg gtgtatagta tgcagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg attactccta atggtactcg gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaactctt
300

ggtcggggtt cttatcctgg tgttgatttt gactactggg gtcagggaac cctggtcacc 360

gtctcgagc 369

<210> 678
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 678
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttccg agttatgcta tgacgtgggt ccgccaggct 120

ccagggaagg gtctggagtg ggtctcacgt attacggcgg atggtactgt tacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaggttct
300

attccgatgc ttacgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 679
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 679
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg
acttatgata tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
atttctccta atggtactgg tatatactac

180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaaatcag
300

agtgttcatc atgctgtttt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 680
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 680
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
aattatgaga tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt attgcgccgc atggtcggct tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaaggtcag 300

attccgatgc ttgattttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 681
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 681
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttcg
cattatatga tgatgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
atttctcatt ttggtgatat tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaaaatgat
300

atggtgatga agaatggggg gtttgactac
tggggtcagg gaaccctggt caccgtctcg
360

agc
363

<210> 682
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 682
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag
aggtatgata tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attgattcgc ggggttggtc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggttg
300

gtgccgcatc tgaggtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 683
<211> 351
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 683
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgcg aatgcgcaga tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagg attgatgcta tgggtgatgc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtaag 300

gttccgagta ttgactactg gggtcaggga accctggtca ccgtctcgag c 351

<210> 684
<211> 351
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 684
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgcg aatgcgcaga tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagg attgatgcta tgggtgatgc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaaggtgtt 300

attccggcgt ttgactactg gggtcaggga accctggtca ccgtctcgag c 351

<210> 685
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 685
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcag aatgatcgga tgcattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg atttctgcta ctggtggtga tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacagacg
300

ggtacgaatc gttttgacta ctggggtcag ggaaccctgg tcaccgtctc gagc

354

<210> 686
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 686
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaat cagccttata tgtcgtgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatct attgatgctt cgggtggtac tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac gccgcggtat attactgtgc gaaagatcgt
300

attcctaatc ttgtgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 687
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 687
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat
aatgagaata tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attgatggtg ggggttataa tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggcag 300

gttcctgagc tgctgtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 688
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 688
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgtt tcgtcgaata tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactat 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaggtcgg
300

attcctacgt tggtgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 689
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 689
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttgtt
tcgtcgaata tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactat

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagatcgt
300

attcctaatc ttgtgtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 690
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 690
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttct gatgattcga tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt attaatgatg ctggtagttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtact 300

attcctcttc tggagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 691
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 691
gagatgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgtt
tcggatacta tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attgatggga ctggtggtga tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccggggac
accgcggtat attactgtgc gaaagggctt
300

attcctgatc ttcagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 692
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 692
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat
gaggaggaga tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attattggtg gtggtcatga gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaggtact
300

attcctcttc tggagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 693
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 693
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat
aatgagaata tgacttgggt ccgccaggct
120

ccagggaagg atctagagtg ggtctcacgg
attactgaga ggggtgatgt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaggtact
300

gttcctacgc tggagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 694
<211> 357
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 694
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgat gaggaggaga tgacgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgt attattggtg gtggtcatga gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtact 300

gttcctacgc tggagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 695
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 695
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcat gagacggaga tgacgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attaatcggc tgggtcagga tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtagg 300

attcctgggc tggtttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 696
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 696
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttct gatgattcga tgagttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgt attaatgatg ctggtagttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtact 300

gttcctacgc tggagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc

357

<210> 697
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 697
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat aatgagaata tgacttgggt ccgccaggct
120

ccagggaagg atctagagtg ggtctcacgg attactgaga ggggtgatgt gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtcgg
300

attcctacgt tggtgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 698
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 698
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttct
gatgattcga tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attaatgatg ctggtagttc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggatt 300

actcctaatt tgacttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 699
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 699
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gatgagccga tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgt attcctcctg agggtgctcc gacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggctt
300

attcctgatc ttcagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 700
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 700
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcag
gatagtgata tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attgctgcgc ctggtggtag tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagatcgt
300

attcctaatc ttaggtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 701
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 701
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgtt tcggatacta tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt attgatggga ctggtggtga tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggcag 300

gttcctgagc tgctgtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 702
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 702
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcag
gatagtgata tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attgctgcgc ctggtggtag tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagatcgt
300

attcctaatc ttgtgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 703
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 703
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag ccgccggatt caccttgat
ctggcggaga tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attgatgagg atggtgcttc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
gccgcggtat attactgtgc ggaaggtgtt
300

attccgtctc tgacttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 704
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 704
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttact
gataagcata tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgg
atttcgcctg atggtacgta tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
gccgcggtat attactgtgc ggaaggtgtt
300

attccgtctc tgacttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 705
<211> 357
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 705
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gaggatgata tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgt attgcggttg atggtgatcg gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg taccgaggac accgcggtat attactgtgc gaaagggaag 300

acgccgcatc ttgtgtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 706
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 706
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag ccgccggatt cacctttgat ctggcggaga tgacttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgt attgatgagg atggtgcttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggtcag 300

gttcctgctt tggtttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 707
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 707
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag gattcgatga tgtcgtgggt ccgccaggcg 120

ccagggaagg gtctagagtg ggtctcacgg attgatcctg ggggtgctca gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggggtg 300

actccggatt tgacttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc

357

<210> 708
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 708
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag catgcggata tgagttgggt ccgccaggct
120

tcagggaagg gtctagagtg ggtctcacgt attgataata gtggtcagtc tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggggtg
300

actccggatt tgacgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 709
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 709
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttagt
gaggcggaga tgaattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attacgacgg atggtgattc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggcgt
300

attcctactc ttcattttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 710
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 710
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctcaggatt caccttgat
gatagtgata tgacttgggt ccgccaggct
120

ccagggaaga gtctagagtg ggtctcatat
attcggggtg atgatgatga gacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaaatcgg
300

attcctgatc ttgtgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 711
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 711
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaat
gtggcggata tgcagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt
attagtccga atggttggga tacatactac

180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacatgct
300

tctacggagg ggccgactgc ttttgactac
tggggtcagg gaaccctggt caccgtctcg
360

agc
363

<210> 712
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 712
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggg
ccgtatgata tggggtgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatgg
atttctgctc atggttcgtt tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaatggcct
300

tataagtttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 713
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 713
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggg
agtgggtcta tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgg
attggtagta atggtgcgga tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggatg
300

gttcctaatt tggtttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 714
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 714
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaat
cgttttgata tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagatcgt
300

attcctaatc ttgtgtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 715
<211> 357
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 715
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttggg gagagtgata tgaagtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagt attagtccga atggttggga tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatctcct 300

tcttctcgtc ttaagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 716
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 716
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgat agtagtgaga tgagttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcatcg attgagaatc agggtggtgc gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagatcgt 300

attcctaatc ttgtgtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 717
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 717
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccccttgat gcgtatccta tgtattgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcatgg attgcttcgg gtggtggtgc gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacgtacg 300

aagaattttg actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 718
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 718
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttatg agttattcta tggcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggg attacttcta atggtaatcg gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaatcgact
300

ggggctaata gtaggaattt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 719
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 719
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag gggtatctga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt attgcggcta atggtatgca gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaaagccg 300

aggggtattt gggatgggga ttttgactac tggggtcagg gaaccctggt caccgtctcg 360

agc 363

<210> 720
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 720
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcat gagtctacga tgacgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaact attcggcatc cgggtgagtt tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccggggac accgcggtat attactgtgc gaaagggctt
300

attcctgatc ttcagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 721
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 721
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgcg atgtatagta tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg attgcgccgc cgggtggtag gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacagtcg 300

ctgacggggt atagtaggtc ttttgactac tggggtcagg gaaccctggt caccgtctcg 360

agc 363

<210> 722
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 722
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg
cagaatccga tgtcgtgggt ccgccacgct
120

ccagggaagg gtctagagtg ggtctcaacg
attcctgcga atggtcgtcc tacatcctac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaatatagt
300

cagcagccgg gtcgtcggtt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 723
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 723
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
aattatcata tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg
attcctgata gtggtaagca gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctacaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaggtagg
300

attccgtctc ttctttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 724
<211> 360
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 724
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgcg cagtatcata tgcgttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaacg attaatgata ttggtagtaa tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagttggg 300

gggcggggga gtttttcttt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 725
<211> 360
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 725
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttct tcgtatgata tgaagtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaacg attagtgcgt ctggtgtgtt tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacgggag 300

catgcgggtc agccgccttt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 726
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 726
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaat ggttatgcta tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaact attaatgcta atggtaagta tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaaagttg
300

actcttgctt ctaattattt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc

360

<210> 727
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 727
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttatg gattatgata tgaagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt attactgcgc ttggtaagaa gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagatagt
300

gttaagtatc ctcttaatct ttttgactac tggggtcagg gaaccctggt caccgtctcg 360

agc 363

<210> 728
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 728
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttccg cattatacga tggcgtgggt ccgccaggct 120

ccagggaagg gtctggagtg ggtctcatct attcagtcgc ctggttggcg gacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaatatggg
300

gatggtcttc ctttgacttt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 729
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 729
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttagt
ggtacgccga tgtcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgt
attggggatg agggtcagga gacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggggtg
300

actccggatt tgacttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 730
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 730
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttagt agtagttcga tgtcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg attgggtctg atggtccgag tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggcgt
300

attcctactc ttcattttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 731
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 731
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttaat
cctggtgaga tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt
attgatgggt ctggttcttc gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgatgac
accgcggtat attactgtgc gaaagggcgt
300

attcctactc ttcattttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 732
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 732
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcct
gagtctatga tggggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg
attgggtatc ctggtgctac tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaaggtggt
300

agtcgggatg ataattttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 733
<211> 372
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 733
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgcctc
60

tcctgtgcag cctccggatt cacctttggt
cagcatagta tgcattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt
attagtgttc cgggtccgaa gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaagtctt
300

agggatttgc gtccgggtga tagtaagagt
tttgactact ggggtcaggg aaccctggtc
360

accgtctcga gc
372

<210> 734
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 734
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttggt tctgctgcta tggattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct attaatgata tgggttctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacagggt
300

ggtcgttttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 735
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 735
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttggt tatgatagga tggcttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcatcg attgatggtc ctggtggggc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc ggaagggagg 300

agggttcctg attttgacta ctggggtcag ggaaccctgg tcaccgtctc gagc

354

<210> 736
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 736
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttggt gagtatgaga tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagg attgatccgt ttggttctga gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc ggaaggtgtg
300

gttcctgatt tgaattttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 737
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 737
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat
aagtatgtta tggggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaact
attggtagtt atggtggggc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaaggctt 300

actcttagtg cgactaagtt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 738
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 738
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag gattatgtga tgggttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaact attgcgcatc ggggtgatat tacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacgtagg
300

cgtcttagtg attatcggtt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 739
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 739
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttggg
cagtttgata tgtattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg
attagtccgg ctggtactgg tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagcgggg
300

gatcggtcta gtctttttga ctacaggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 740
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 740
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaag gatacgggta tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt
atttctagtt atggtcgtga tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
gccgcggtat attactgtgc gaaattgaat
300

gcggcgctgg gttttgacta ctggggtcag
ggaaccctgg tcaccgtctc gagc
354

<210> 741
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 741
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggt
ccgtatccga tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attaatgcgc cgggtacgag gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gcaacagatg
300

tctagtgggg tttttgacta ctggggtcag
ggaaccctgg tcaccgtctc gagc
354

<210> 742
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 742
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg
aatcaggata tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt
attgatagtt ctggtcagct tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagttaag
300

tctcttgcgc ggtttgacta ctggggtcag
ggaaccctgg tcaccgtctc gagc
354

<210> 743
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 743
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt cacctttcct
gagtctgata tgaagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt
attagtccga atggttggga tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaaccggct
300

caggttctgt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 744
<211> 360
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 744
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag cagtatgtga tgggttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaacg attggtacgt cgggtaagta tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gcaacgtagg 300

tctctgactc gggttcattt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 745
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 745
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttggt gtggagcata tgagttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagcg attacgggtg atggtgatcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaacggtt 300

tcgtggaatg gtcgttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 746
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 746
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgcg tggtataata tgggttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcaagg attgctccgt ctggtattat tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggttg
300

cgtggtaagt ttgactactg gggtcaggga accctggtca ccgtctcgag c

351

<210> 747
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 747
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg aattatgaga tgaggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct atttcttcgg ctggtactga tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacagtcg
300

cttaattttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 748
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 748
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgtag cctccggatt cacctttgat
gaggagccga tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaatt
attgatccgg gtggtggggc gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaatctaat
300

agtatgtttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 749
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polynucleotide

<400> 749
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttct
gcgtatccta tgcattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
attgcttctt cgggtattac gacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaatttact
300

cggctgcatt ttcctgcgca gtttgactac
tggggtcagg gaaccctggt caccgtctcg
360

agc
363

<210> 750
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 750
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgct
gattatgcga tgggttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagg
atttctcctg agggttctag gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaattgcgg
300

ccgtatgcgt cgaagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 751
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 751
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttagg
ccgtatgata tgggttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
atttctcatc agggtaatcg gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagtgtct
300

catcattttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 752
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 752
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttct
gcgtataata tgtggtgggc ccgccaggct
120

ccagggaagg gtttagagtg ggtctcatgg
attaattcga ctggttctcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaaaattgg
300

catcggggga ggtttgacta ctggggtcag
ggaaccctgg tcaccgtctc gagc
354

<210> 753
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 753
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat
aggtatcgga tggggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
attaatcggc tgggtcagag tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagtgaag
300

aagcataagt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 754
<211> 351
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 754
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgcg cattataata tgcggtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaacg attacgaaga ctggttttcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgtgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagcgggg 300

cagtttgatt ttgactactg gggtcaggga accctggtca ccgtctcgag c 351

<210> 755
<211> 354
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 755
gaggtgcagc tgttggagtc tgggggaggc ttagtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttat ccttatagta tgcattgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcaact attgatggta gtggtatgtt tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc ggaagattct
300

ctgaaggctt cttttgacta ctggggtcag ggaaccctgg tcaccgtctc gagc
354

<210> 756
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 756
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttccg ctttatggga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatat attgggcctt atggtcatac tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaaaagcgg
300

aagaagaagt ttgactactg gggtcaggga accctggtca ccgtctcgag c

351

<210> 757
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 757
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcct aggtatcgga tgagttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt attactccgt atggtgctca tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatatggt
300

aagtggtatt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 758
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 758
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaat
gagtatgcga tgaggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
attgatcgtc tgggtcttca tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaagtggg
300

cctttttacgt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 759
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 759
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
cggtataata tgcgttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
attgatcggc tgggtcttgc tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagcgggt
300

tcgtggtctt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 760
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 760
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttggt
atttatgata tgaagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
atttcgtcgt cgggtactca tacatactac

180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaatatcct
300

cagccttatc cttttgacta ctggggtcag
ggaaccctgg tcaccgtctc gagc
354

<210> 761
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 761
gaggtgcagc tattggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttgg
gtgtatgata tgcgttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg atttctgcga ctggtgtgca tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatatccg
300

cctgctggtc ggtttgacta ctggggtcag ggaaccctgg tcaccgtctc gagc
354

<210> 762
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 762
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg
acttatgata tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
atttctccta atggtactgg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacctccg
300

caggtgaata ctgagtttga ctaccggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 763
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 763
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
aaggaggata tggggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacat
atttcgccga atggttatgc gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaagttgg
300

tctagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 764
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 764
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttagt
gctactccga tggagtgggc ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaact
atttctgaga gtggttatag tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaatggaat
300

tcgactactg gttttgacta ctggggtcag
ggaaccctgg tcaccgtctc gagc
354

<210> 765
<211> 351
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 765
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttaat acggtggata tggagtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagt attagtccga atggttggga tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc ggaagctccg 300

catcgggcgt ttgactactg gggtcaggga accctggtca ccgtctcgag c 351

<210> 766
<211> 357
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 766
gaggtgcagc tgttggagtc tgggggggggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttgag gataaggaga tgagttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcacgg attgatgctt tgggtgattc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc ggaagggatg 300

gttcctcgtc tgaagtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 767
<211> 342
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 767
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttagt gatcattcga tgatgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagat attgagccgc atggtgttca tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaatcctact
300

tttgactact ggggtcaggg aaccctggtc accgtctcga gc

342

<210> 768
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 768
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg ccgcatacta tgcattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt attggtccgg atggtactac tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacgttcg
300

tatagttggg atcgtgggtg gacgtttgac tactggggtc agggaaccct ggtcaccgtc
360

tcgagc
366

<210> 769
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 769
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttat gcttcggata tgaagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt attagtccga atggttggga tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagctgat
300

tatacttatc attcttttga ctactggggt
caggggaccc tggtcaccgt ctcgagc
357

<210> 770
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 770
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgcg
cattataata tgcggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
attacgaaga ctggttttcg tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgtgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagcgggg
300

cagtttgatt ttgactactg gggtcaggga accctggtca ccgtctcgag c
351

<210> 771
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 771
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg cattatcata tgggttgggc ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagtt attgggccga ggggtatttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatcgcct 300

tcgcgtcata ggtttgacta ctggggtcag ggaaccctgg tcaccgtctc gagc 354

<210> 772
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 772
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttaat
gagtatgcga tgaggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
attgatcgtc tgggtcttca tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaagtggg
300

ccttttacgt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 773
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 773
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttggt
aattatagta tgaagtgggc ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaact
attactcctg atggttggta tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagtgggg
300

gatgctgttt gggggtggat tggtgggttt
gactactggg gtcagggaac cctggtcacc
360

gtctcgagc
369

<210> 774
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 774
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttggg gattatggta tgaagtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attacgtcta atggtgattt tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatctttg 300

tataagtttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 775
<211> 369
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 775
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag gctccggatt cacctttcct acttataaga tggggtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcattt attgattatt ggggttggcg gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaagtccg 300

tattcttgga ctcatgatag tcctcatttt gactactggg gtcagggaac cctggtcacc 360

gtctcgagc

<210> 776
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 776
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttagg ccttatacga tgtgttgggc ccgccaggct 120

ccagggaagg gtctagagtg ggtctcatgt attagtgatg ctggttcttt tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaaaggatg 300

tcttcttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 777
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 777
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcag
aattatcaga tggcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaact
attagtggga ctggtaagaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaactcct 300

cagaattatt ttagtgtgcg tcggtttgac tactggggtc agggaaccct ggtcaccgtc 360

tcgagc 366

<210> 778
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 778
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttggg gcgtatacta tggggtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaaag atttcgacgt ctggtgggca gacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacctttg
300

aattggtggg cgtttgacta ctggggtcag ggaaccctgg tcaccgtctc gagc
354

<210> 779
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 779
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaat gcgtatccta tgacttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcacgg attgatggtt atggtcggca tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggatt
300

attcctaatt ttgactactg gggtcaggga accctggtca ccgtctcgag c
351

<210> 780
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 780
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggg
gcggttgata tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg
atttcgccta gtggttctgc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagggcgt
300

gtgccggatc ttggttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 781
<211> 351
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 781
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgat
agttatgcga tggggtgggc ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attggggcta agggtttgtc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagcggct
300

aggggtaagt ttgactactg gggtcaggga
accctggtca ccgtctcgag c
351

<210> 782
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 782
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttact
cggtatcaga tgggttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagtt
attaatgttt ggggttcgag tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaatgtct
300

gggaagtttg cctactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 783
<211> 351
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 783
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctt 60

tcctgtgcag cctccggatt caccttttggg aattatagta tgatgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaacg attattcctg ctggtacgtc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaccgtcg 300

attaggttgt ttgactactg gggtcaggga accctggtca ccgtctcgag c 351

<210> 784
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 784
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttggt gcgtatgata tggggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatgg atttctccga atggttatga tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaggggggt
300

gtgaagtttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 785
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 785
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgtt tggtatgaga tggcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg attcaggctg atggtgagca gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagcttcg
300

tatgctcttg tgtatcctcc tgaggagttt gactactggg gtcagggaac cctggtcacc

360

gtctcgagc
369

<210> 786
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 786
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttacg aattatagga tgtcttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attgatgatc tgggtgtgtc gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatggagg 300

cttaagaata gtcagccgac ggattttgac tactggggtc agggaaccct ggtcaccgtc 360

tcgagc 366

<210> 787
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 787
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgat caggctcata tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcattt attaatcctt cgggttatta tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaccttcg
300

cttagtccgt cttcttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 788
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 788
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag actggtcaga tgggttgggc ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaaat attgatgggt ctggtacgta tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaagtacg
300

cagaattatc ggtttgacta ctggggtcag ggaaccctgg tcaccgtctc gagc
354

<210> 789
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 789
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggt
gcttatccga tgtattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
attcataagg atggtaggat tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacagggt
300

acgccggttg atgggtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 790
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 790
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcct
gatgagggta tgacgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaacg
attgagactg gtggtacggt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaaatggat
300

gggtctggta catggcagac gtttgactac
tggggtcagg gaaccctggt caccgtctcg
360

agc
363

<210> 791
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 791
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgat agtctgggta tgggttgggc ccgccaggct 120

ccagggaagg gtctagagtg ggtctcatat attcgggctg agggtgctta tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaatatctt 300

gcggattctg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 792
<211> 360
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 792
gaggtgcagc tgttggaatc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttagt gagtcgtata tggagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt attgatcata ttggtggtgg gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagatgat
300

ggtcgtggtg ggtctatgtt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 793
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 793
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttct ggtgggtata tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaagt attggggcta gtggtgcgta tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaaacgggg
300

ggtaggttag actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 794
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 794
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgat gaggggcata tggggtgggt ccgccaggct
120

ccagggaagg atctagagtg ggtctcatat attgggagtc tgggtttgca tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacgggag
300

tttagtaatg gggggtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 795
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 795
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttaag
actagtccta tgtattgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatcg
attgatcgga ctggtgggca tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacaggct 300

ctgcttactg atgcgaagcg ttttgactac tggggtcagg gaaccctggt caccgtctcg 360

agc 363

<210> 796
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 796
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgat ggtcgggata tggtttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtccga gtggtctgga tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc ggaacgtcct 300

cagatgctgg ttactaattt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 797
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 797
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttggt aatgatccga tgagttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaggg attggtcggg agggtgattc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagattct 300

atgcggcatc agccgtttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 798
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 798
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgat
gagacttata tgaagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg
attggggcgt cgggtgctga tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaatttacg
300

catctgaatg gtcggtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 799
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 799
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggg
gggtggccta tggggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attgatattg atggtgctcc gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagaggag
300

gcgggttctt ggtcttttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 800
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 800
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttagt
gatcaggcga tgtggtgggc ccgccaggct
120

ccagggaagg gtctagagtg ggtctcattt
attcagggtg atggtggttt tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacctagt
300

aagccgtttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 801
<211> 354
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 801
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgag actggtcaga tgggttgggc ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaaat attgatgggt ctggtacgta tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagcggtg 300

cggaattttg cttttgacta ctggggtcag ggaaccctgg tcaccgtctc gagc 354

<210> 802
<211> 372
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 802
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttagt gggcatgata tgtcttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtcctc atggtacgca tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagggatt
300

aggggttgga ttggtcatga tacgcagcct tttgactact ggggtcaggg aaccctggtc
360

accgtctcga gc

<210> 803
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 803
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag agtaaggata tgctttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct atttcgtcgg atggtactca tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gcaagagctg
300

ggtgggtctt ggcagtttga ctactggggt
cagggaaccc tggtcaccgt ctcgagc
357

<210> 804
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 804
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgcg
gatcgtgata tggtttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attggggcgt cgggtacgtc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac gccgcggtat attactgtgc gaaaggtggg 300

acgggtccta ctgatttgtg ggattttgac tactggggtc agggaaccct ggtcaccgtc 360

tcgagc 366

<210> 805
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 805
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgat gatgagaaga tgctttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagt attagtgtga gtggtctgca tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagaggag
300

gcgggttctt ggtcttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 806
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 806
gaggtgcagc tgttggagtc cgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttggg caggagagga tgatttgggt ccgccaggct
120

cctgggaagg gtctagagtg ggtctcagat atttcggctt cgggtgggac tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagaggag 300

gcgggttctt ggtcttttga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 807
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 807
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc tctgcgtctc 60

tcctgtgcag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccatgaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actacagggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 808
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 808
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 809
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 809
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gtctagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actaccgggt tcagggaacc
ctggtcaccg tctcgagc
348

<210> 810
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 810
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag tggtatgaga tgcagtgggt ccgcaaggct 120

ccagggaagg gtctagagtg ggtctcagcg atttctggtg atggttatcg tacatactac 180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagctt 300

gggtattttg actactgggg tcggggaacc ctggtcaccg tctcgagc 348

<210> 811
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 811
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag tggtatgaga tgcagtgggt ccgccaggct
120

ccagggaagg gtctagagtg gatctcagcg atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagctt
300

gggtattttg actacagggt tcagggaacc ctggtcaccg tctcgagc
348

<210> 812
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 812
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgag tggtatgaga tgcagtgggt ccgccgggct 120

ccagggaagg gtctagagtg ggtctcagcg atttctggtg atggttatcg tacatactac 180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccgagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagctt 300

gggtattttg actactgggg tcggggaacc ctggtcaccg tctcgagc

348

<210> 813
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 813
gaggtgcagc tgttggagac tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gtctagagtg ggtctcagcg atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatgg acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagctt
300

gggtattttg actactgggg tcggggaacc ctggtcaccg tcacgagc
348

<210> 814
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 814
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag tggtatgaga tgcagtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagcg atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc tcacgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttc actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 815
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polynucleotide

<400> 815
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgtag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccaggct
120

ccagggaatg gtctagagtg gatctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 816
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 816
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctctggatt cacctttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gtctagagtg ggtctcagcg
atatctggtg atggttatcg tacatactac

180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgctaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagctt
300

gggtatttcg actactgggg tcggggaacc ctcgtcaccg tctcgagc
348

<210> 817
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 817
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag tggtatgaga tgcagtgggt ccgcaaggct
120

ccagggaagg gtctagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actacagggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 818
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 818
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc catgcgtctc
60

tcctgtgcag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gtctagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actacagggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 819
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 819
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gattagagtg ggtctcaatg
atttccgggg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 820
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 820
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg acggttggcg cacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctt
300

gggtattttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 821
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 821
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttggg tggtatgaga tgcagtgggt ccgccgggct 120

ccagggaagg gactagagtg ggtctcagcg atttctggtg atggttatcg tacatactac 180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagctg 300

ctctactttg actactgggg tcggggaacc ctggtcaccg tctcgagc 348

<210> 822
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 822
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagctg
300

gggttctttg actactgggg tcggggaacc ctggtcaccg tctcgagc
348

<210> 823
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 823
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagttg
300

gagtattttg actactgggg tcggggaacc ctggtcaccg tctcgagc

348

<210> 824
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 824
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagggttg
300

gagtattttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 825
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 825
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctg
300

gccttctttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 826
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polynucleotide

<400> 826
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctc
300

ttgtactttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 827
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 827
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac

180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagttg
300

gagttctttg actactgggg tcggggaacc ctggtcaccg tctcgagc
348

<210> 828
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 828
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagctg
300

cagttctttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 829
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 829
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagctg
300

ctcttctttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 830
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 830
gaggtgcagc tgttggagtc tgggggaggc

ttggtacggc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagttg
300

gagttctttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 831
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 831
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag
tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg
atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagttg
300

ctcttctttg actaccgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 832
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 832
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt catctttgag tggtatgaga tgcagtgggt ccgccgggct 120

ccagggaagg gactagagtg ggtctcagcg atttctggtg atggttatcg tacatactac 180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaaaacttg 300

gagtattttg actactgggg tcggggaacc ctggtcaccg tctcgagc 348

<210> 833
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 833
gaggtgcggc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag tggtatgaga tgcagtgggt ccgccgggct
120

ccagggaagg gactagagtg ggtctcagcg atttctggtg atggttatcg tacatactac
180

gcagactccg tgaaaggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagttg
300

cagttctttg actactgggg tcggggaacc ctggtcaccg tctcgagc
348

<210> 834
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 834
gaggtgcagc tgttggggtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgttc gaaagagccg 300

tttcgttttg actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 835
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 835
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 836
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 836
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg gatctcagct
attagtggaa gtggtggtag cacatactac
180

gcagactccg tgaagggccg gtttaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 837
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 837
gaggtgcagc tgttggatcc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttggg
aaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaggaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 838
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 838
gaggtgcagc tgttggggtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 839
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 839
gaggtgcagc tgttggagcc tgggggaggc ttggtacagc ctgggggctc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgctaatga acagcctgcg tgccgaggat accgcggtat attactgttc gaaagagccg
300

tttcgttttg actactgggg tcagggagcc ctggtcaccg tctcgagc
348

<210> 840
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 840
gaggtgcagc tgttggatcc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttggg
aaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
attagtggta gtggtggtag cacatactac
180

gcagactccg ttaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

ttacgttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 841
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 841
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag
gaggaggaga tgatctgggt ccgccaggct
120

cctgggaagg gtctagagtg gatctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
caccgcgaca attctaagaa cactctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgttc gaaagagccg
300

tttcgttttg actacagggg tctgggaacc
ttggtcaccg tctcgagc
348

<210> 842
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 842
gaggtgcagc tgttggatcc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttggg aaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaggaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagagccg
300

ttacgttttg actactgggg tcaggggacc ctggtcaccg tctcgagc
348

<210> 843
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 843
gaggtgcagc tgttggattc tgggggaggc tttgtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg gatctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtgt attactgtgc gaaagagccg 300

tttcgttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 844
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 844
gaggtgcagc tgttggatcc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg gatctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaataa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gagagagccg 300

tttcgttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 845
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 845
gaggtgcggc tgttggagtc tggggaaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcacgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttttg actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 846
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 846
gaggtgcagc agttggagtc tgggggaggc ctggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 847
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 847
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt cacctttgag
gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

ttctactacg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 848
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 848
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgtcaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

ttctacttcg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 849
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 849
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gagaaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

ttcttctacg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 850
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 850
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt cacctttccc caggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 851
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 851
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttttc
gccgccgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 852
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 852
gaggtgcagc tgttggcgtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtaggc ccggtacgag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 853
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 853
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtcgga tgggtttcag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 854
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 854
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtcggt ggggtcacag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 855
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 855
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtcgcc tcggttggag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 856
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 856
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtcgct ggggtgccag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 857
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 857
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt cacctttgag gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtaggc agggtgggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgtgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 858
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 858
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt cacctttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtgtgt ccggttggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 859
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 859
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtcggt ggggttggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 860
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 860
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtcgga acggtctgag cacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 861
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 861
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtgggc tgggttggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 862
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 862
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtgcgt tgggttggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 863
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 863
gaggtgcagc tgttggcgtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtcgca ggggttacag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 864
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 864
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtaggc acggttggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 865
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 865
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaagc attagcagga gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 866
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 866
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtcgga tcggtaacag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 867
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 867
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtgggc acggttggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 868
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 868
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct atttcgaggt ggggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 869
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 869
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt cacctttgag
gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

ttcatgtatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 870
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 870
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgtcaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

ttcccgtacg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 871
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 871
gaggtgcagc tgttggcgtc tgggggaggc
ttggtgcagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtgg cacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 872
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 872
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

ttgtactatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 873
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 873
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgtcaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccc
300

atgtactatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 874
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 874
gaggtgcagc tgttggcgtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtagga acggtttcag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 875
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 875
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtcgca cgggtgggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 876
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 876
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtcggg agggtgggag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 877
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 877
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccgggtt ccccctttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtcggc agggttggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 878
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 878
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtaggg gcggtgggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 879
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 879
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtcgca cgggttacag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 880
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 880
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt cacctttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtagga acggtaggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 881
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 881
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtagga acggttacag cacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 882
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 882
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtagga agggtagcag cacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 883
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 883
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtcggg gcggttggag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 884
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 884
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtcgct cgggttacag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 885
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 885
gaggtgcagc tgttggcgtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtagga acggtatgag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 886
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 886
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt cacctttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtagga acggttacag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 887
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 887
gaggtgcagc tgttggagtc tggggaaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttact gagcatgaga tgatttgggt ccgccaggct 120

ccagggaagg gtctggagtg ggtctcatct atttcgggta atggtgctaa tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tcccgaggac accgcggtat attactgtgc gaaagagccg 300

cttaggtttg actactgggg ccagggaacc ctggtcaccg tctcgagc 348

<210> 888
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 888
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatc cacctttact gagtatgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctggagtg gatctcatct atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat atttctgtgc gaaagagccg
300

cttaggtttg actacagggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 889
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 889
gaggtgcagc tgttggagcc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttact gagtatgaga tgatttgggt ccgcaaggct 120

ccagggaagg gtatggagtg ggtctcatct atttcgggta atggtgctaa tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa catgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg 300

cttaggtttg gctactgggg tcagggtacc ctggtcaccg tctcgagc

348

<210> 890
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 890
gaggtgcagc tgttggattc tgggggaggc ttggtacagc ctgggggggtc actgcgtctc
60

tcctgtgcag cctccggatt cacctttact gagtatgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatct atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctacaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg
300

cttaggtttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 891
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 891
gaggtgcagc tgttggggtc aggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttact
gagtatgaga tgatttgggt ccgccaggct
120

ccagggaaga gtctggagtg ggtctcatct
atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagccg
300

cttaggtatg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 892
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 892
gaggtgcagc cgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgttcag cctccggatt caccttttaat
gagtatgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatct
atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagccg
300

cttaggtttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 893
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 893
gaggtgcagc tgttggagtc tggggaaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gagtatgaga tgatttgggt ccgccaggct
120

ccagggaaag gtctggagtg ggtctcatct
atttcgggta atggtgctaa tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg
300

cttaggtttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 894
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 894
gaggtgcagc tgttggaccc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttact gagtctgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatct atttcgggaa atggtgctaa tacatactac 180

gcggactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg 300

cttaggtttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 895
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 895
gaggtgcagc tgttggagcc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttact
gagtatgaga tgatttgggt ccgcaaggct
120

ccagggaagg gtatggagtg ggtctcatct
atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tcccgaggac
accgcggtat attactgtgc gaaagagccg
300

cttaggtttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 896
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 896
gaggtgcagc tgttggagtc tggggtaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttact
gagtatgaga tgatttgggt ccgcaaggcc
120

ccagggaagg gtctggagtg ggtctcatct
atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagaaccg
300

cttaggtttg acaactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 897
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 897
gaggtgcagt tgttggagtc tcggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttact gagcatgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatct atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttctccgtc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg
300

cttaggtttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 898
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 898
gaggtgcagc cgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgctg cctccggatt cacctttact gagtatgaga tgatttgggt ccgccaggct 120

ccagggaagg gtctggagtg ggtctcatct atttcgggta atggtgctaa tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg 300

cttaggtttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 899
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 899
gaggtgcagc tgttggagtc tgcgggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct gagtatgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatca atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg
300

cttaggtttg actactgggg tcagggagcc ctggtcaccg tctcgagc
348

<210> 900
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 900
gaggtgcagc tgttggagcc tgggggaggc ttggtacagc ctgggggggtc gctgcgtctc
60

tcctgtgcag cctccggatt cacctttact gagtatgaga tgatttgggt ccgccaggct
120

ccagggaagg gtctggagtg ggtctcatct atttcgggta atggtgctaa tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg
300

cttaggtttg acaactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 901
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 901
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc tctgcgtctc
60

tcctgtacag cctccggatt cacctttaat atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt attagtagac gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagagccg
300

attacgtatg atttgaggta tgcgcgtttt
gactactcgg gtcagggaac cctggtcacc
360

gtctcgagc
369

<210> 902
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 902
gaggagcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtacag cctccggatt cacctttaat
atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attagtagac gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

attacgtatg ctacgaggta tgcgcgtttt
gactactggg gtcagggaac cctggtcacc
360

gtctcgagc
369

<210> 903
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 903
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtacag cctccggatt caccttttaat
atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt attagtaggc gtggttttac tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca atttcaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagagccg 300

attacgtatg atatgaggta tgcgcgtttt gactacgggg gtcagggaac cctggtcacc 360

gtctcgagc 369

<210> 904
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 904
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtacag cctccggatt caccttaat
atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attagtaggc gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

attacgtatg atatgaggta tgcgcgtttt
gacaactggg gtcagggaac cctggtcacc
360

gtctcgaac
369

<210> 905
<211> 369
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 905
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtacag cctccggatt cacctttaat acgtatgaga tgtcgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaggt attggtaggc gtggttttac tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagagccg 300

attacgtatg atttgaggta tgcgcgtttt gactactcgg gtcagggaac cctggtcacc 360

gtctcgagc 369

<210> 906
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 906
gaggtgcagc tgatggagtc aggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtacag cctccggatt ctcctttaat
atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaaag gtctagagtg ggtctcaggt
attagtaggc gtggttatac tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

attacgtatg atatgaggta tgcgcgtttt
gactactggg gtcggggaac cctggtcacc

360

gtctcgagc
369

<210> 907
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 907
gaggtgcagc tgttggagtc tgggggaggc ttggtgcagc ctgggggggtc cctgcgtctc 60

tcctgtacag cctccggatt cgcctttaat atgtatgaga tgtcgtgggt ccgccaggct 120

ccagggaagg gactagagtg ggtctcaggt attagtaggc atggttttac tacgtactac 180

gcagactccg tgaagggccg gttcaccgtc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagagccg 300

attacgtatg atatgcggta tgcgcgttct gactactggg gtcagggaac cctggtcacc 360

gtctcgagc 369

<210> 908
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 908
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtacag cctccggatt caccttttaat atgtatgaga tgtcgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaggt attagtaggc gtggttttac tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atttctgtgc gaaagagccg 300

attacgtatg atatgaggta tgcgcgttct gactactggg gtcagggaac cctggtcacc 360

gtctcgagc 369

<210> 909
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 909
gaggtgcagc tgttggagtc tgggggggggc ttggttcagc ctgggggggtc cctgcgtctc 60

tcctgtacag cctccgggtt caccttaat
atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attagtaggc gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

attacgtatt ctatgaggta tgcgcgtttt
gactactcgg gtctgggaac catggtcacc
360

gtctcgagc
369

<210> 910
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 910
gaggtgcagc tgctggagtc tgggggaggc
ttggtacagc ctgggggggtc ccttcgtctc
60

tcctgtacag cctccggatt cacctttaat
atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attagtaggc gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

attacgtatg atatgaggta tgcgcgtttt
gactacagtg gtcagggaac cctggtcacc
360

gtctcgagc
369

<210> 911
<211> 369
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 911
gaggtgcagc tgttggagtc tggaggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtacag cctccggatt cacctttaat atgtatgaga tgtcgtgggt ccgcaaggct 120

ccagggaagg gtctagagtg ggtctcaggt attagtaggc atggttttac tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagagccg 300

attacgtatg atatgaggta tgcgcgtttt gactactggg gtcagggaac cctggtcacc 360

gtctcgagc

<210> 912
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 912
gaggtgcagc tgttcgagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtacag cctccggatt cacctttaat atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt attagtaggc gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaggagccg
300

attacgtatg atatgaggta tgcgcgtttt gactactggg gtcggggaac cctggtcacc 360

gtctcgagc 369

<210> 913
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 913
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggatc cctgcgtctc 60

tcctgtacag cctccggttt caccttaat atgtatgaga tgtcgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaggt attagtaggc gtggttttac tacatactac 180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

attacgtatg atatgaggta tgcgcgtttt
gactactggg gtcggggaac cctggtcacc
360

gtctcgagc
369

<210> 914
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 914
gaggtgcagc tgttggagtc tgggggaggc
tcggtacagc ctgggggggtc cctgcgtctc
60

tcctgtacag cctccggatt ctcctttaat
atgtatgaga tgtcgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcaggt attagtaggc gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagagccg
300

attacgtatg atatgaggta tgcgcgtttt gactactggg gtcagggaac cctggtcacc
360

gtctcgggc
369

<210> 915
<211> 369
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 915
gaggtgcagc tgttggagtc tgggggaggc

ttggtacaac ctgggggtc cctgcgtctc
60

tcctgtacag cctccggatt caccttaat
atgtatgaga tgtcgtgggt ccgcaaggct
120

ccagggaagg gtctagagtg ggtctcaggt
attagtaggc gtggttttac tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgtgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagagccg
300

attacgtatg atatgaggta tgcgcgtttt
gactactggg gtcagggaac cctggtcacc
360

gtctcgagc
369

<210> 916
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 916
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 917
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 917
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 918
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 918
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgcagaggat accgcggtat attactgtac gaaacttccg
300

tttatttttg aatactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 919
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 919
gaggtgcagc tgttggagtc cgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttatgtttg acgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 920
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 920
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 921
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 921
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt ctcctttcgg
gattatgaga tgtggtggta ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatattac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttatttttg acaaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 922
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 922
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat acctcggtat atcactgtgc gaaacctccg
300

tttatttttg gcgactgggg tccgggaacc ctggtcaccg tctcgagc
348

<210> 923
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 923
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc ccggcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccggggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcacgatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 924
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 924
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtcta
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
actgcggtat attactgtgc gaaacttccg
300

tttatgtttg acgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 925
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 925
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg ttctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa catgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
actgcggtat attactgtgc gaaacttccg
300

tttatgtttg acgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 926
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 926
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg agccgaggat
actgcggtat attactgtgc gaaacttccg
300

tttatgtttg acgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 927
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 927
gaggtgcagc tgttggagtc tgggggaggc ttgatacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgttt gaaacttccg 300

tttattttcg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 928
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 928
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtcta 60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaacccgc agggtacgcg tacatactat 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgatgat accgcggtat atcactgtac gaaacttccg 300

tttatttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 929
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 929
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggatgg ttctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctatat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttttttttg actccagggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 930
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 930
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccgggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactctg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 931
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 931
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 932
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 932
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt ctcctttcgg
gattatgaga tgtggtggta ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatattac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 933
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 933
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg ttctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa catgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 934
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 934
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atcactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 935
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 935
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtac gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 936
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 936
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgttt gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 937
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 937
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtcta
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaacccgc agggtacgcg tacatactat
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgatgat
accgcggtat atcactgtac gaaacttccg
300

tttatttttg aatactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 938
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 938
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgatgggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagaacct 300

tatagttttg actcctgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 939
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 939
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgatgggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atcactgtgc gaaagaacct 300

tatagttatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 940
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 940
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccgggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 941
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 941
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtcta 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccgggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgatgggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat actgcggtat attactgtgc gaaacttccg 300

tttatgtttg acgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 942
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 942
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtcta
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat actgcggtat attactgtgc gaaacttccg
300

tttatgtttg acgactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 943
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 943
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttgct gggtatgagt tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 944
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 944
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gggtatgagt tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac

180

gcagactccg tgatgggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat actgcggtat attactgtgc gaaacttccg
300

tttatgtttg acgaccgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 945
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 945
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtggtt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 946
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 946
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgct
gggtatgaga tgtggtggtt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
actgcggtat attactgtgc gaaacttccg
300

tttatgtttg acgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 947
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 947
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 948
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 948
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtcta
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgatgggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
actgcggtat attactgtgc gaaacttccg
300

tttatgtttg acgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 949
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 949
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg 300

acctactttt ccgaccgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 950
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 950
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

tttttctttg aggagtgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 951
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 951
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

acgtacttta aggactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 952
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 952
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

ttttactttt ccgagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 953
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 953
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat atcactgtgc gaaacttccg
300

atgttctttg aggactgggg tcagggaacc
ctggtcaccg tctcgaac
348

<210> 954
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polynucleotide

<400> 954
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

tttccgtttt cggagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 955
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 955
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatgg acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

ttttactttt ccgagtgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 956
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 956
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt acggtaacct cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 957
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 957
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc ccggtacctt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 958
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 958
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtggctt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 959
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 959
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccga tgggtgggtt cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 960
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 960
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggttcgca cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 961
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 961
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ccggtgggct gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

tttacttttg acgaccgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 962
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 962
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc acggttcgtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 963
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 963
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgg ccggtcggtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 964
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 964
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtagctt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 965
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 965
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttccc
gactacgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat atcactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 966
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 966
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag actccggatt cacctttccg
cccgtggaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 967
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 967
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt acggtgggct gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 968
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 968
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtaacca cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 969
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 969
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc acggtggcta cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 970
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 970
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaggg gtctagagcg ggtctcagct
attaatccgc ccggtatgct cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 971
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 971
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtcagtt gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 972
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 972
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtggcta cacatactac
180

gcagactccg tgaagggccg attcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 973
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 973
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt cgggtgggct gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 974
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 974
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt cgggtgggtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 975
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 975
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt cgggtacgct cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 976
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 976
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt acggttcgtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 977
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 977
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtggcta cacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 978
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 978
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtgggct gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 979
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 979
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggttccca cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 980
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 980
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtacctt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaggaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 981
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 981
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccga acggtcggct gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg cggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 982
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 982
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtcagct gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 983
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 983
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc acggtggcct cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 984
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 984
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctggagcg ggtctcagct attaatccgg cgggtatgtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 985
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 985
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc acggtacctt gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 986
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 986
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggttcgtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 987
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 987
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt acggtggcct gacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 988
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 988
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattacgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgg ccggtttctt gacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 989
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 989
gaggtgcagc tgttggagtc tgggggaggc ttggtacggc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctggagcg ggtctcagct attaatccgt acggtggcct gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 990
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 990
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtgggtt cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 991
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 991
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtgggtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 992
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 992
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt acggtgggct gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatgg acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 993
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 993
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtacgtt gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 994
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 994
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtggcta cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcggggaacc ctggtcaccg tctcgagc
348

<210> 995
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 995
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt acggtaacct gacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 996
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 996
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc acggtgggtt cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 997
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 997
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgg ccggtttcta cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 998
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 998
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgg cgggtggcct cacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttacttttg acgactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 999
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 999
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cgcctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc acggttccct cacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1000
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1000
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgt gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgg ccggtgggta cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atcactgtgc gaaacttccg 300

tttacttttg aggactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1001
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1001
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttggttta cggagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1002
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1002
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

ttcatgtttt ccgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1003
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1003
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

tttttgtttc aggagtgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1004
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1004
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg 300

acgcggtttg aggactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1005
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1005
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg 300

ttttactttc acgagtgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1006
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1006
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 1007
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1007
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

acgttcttta aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1008
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1008
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacacg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttttctttc aggagtgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1009
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1009
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

cagttgtttc acgaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1010
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1010
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

cagctctttg aggactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1011
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1011
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atcactgtgc gaaacttccg
300

tttgggtttt ccgagtgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1012
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1012
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

cagttgtttc aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1013
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1013
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

tttttctttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1014
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1014
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

cactacttta aggactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1015
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1015
gaggtgcagc tgttggagtc tgggggaggc ttggtacagt ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

ttttactttg aggagtgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1016
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1016
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

tttaggtttt ccgaccgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1017
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1017
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

acgctgtttc aggactgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 1018
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1018
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

ttttactttt ccgagtgggg tcagggaacc
ctggtcaccg tctcgaac
348

<210> 1019
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1019
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttggtttc aggagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1020
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1020
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggttcgtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttactttc aggagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1021
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1021
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggttcgtt gacatactac

180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atcactgtgc gaaacttccg
300

atgttctttg aggactgggg tcagggaacc ctggtcaccg tctcgaac
348

<210> 1022
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1022
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggttcgtt gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg 300

ttttactttc acgagtgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1023
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1023
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggttcgtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

tttttctttc aggagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1024
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1024
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggttcgtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

tttttctttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1025
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1025
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtgggtt cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

ttttactttc aggagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1026
<211> 348
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1026
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtgggtt cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atcactgtgc gaaacttccg 300

atgttctttg aggactgggg tcagggaacc ctggtcaccg tctcgaac 348

<210> 1027
<211> 348
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1027
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtgggtt cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

ttttactttc acgagtgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1028
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1028
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtgggtt cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

tttttctttc aggagtgggg tcagggaacc ctggtcaccg tctcgagc

348

<210> 1029
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1029
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtgggtt cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg
300

ttttttctttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1030
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1030
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtgggtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

ttttactttc aggagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1031
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1031
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtgggtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc

tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat atcactgtgc gaaacttccg
300

atgttctttg aggactgggg tcagggaacc
ctggtcaccg tctcgaac
348

<210> 1032
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1032
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtgggtt gacatactac

180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttactttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1033
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1033
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgt ggggtgggtt gacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaacttccg 300

tttttctttc aggagtgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1034
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1034
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgt ggggtgggtt gacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaacttccg
300

tttttctttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1035
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1035
gaggtgcagc tgttggagtc tgggggaggc

ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat atcactgtgc gaaacttccg
300

atgttctttg aggactgggg tcagggaacc
ctggtcaccg tctccagc
348

<210> 1036
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1036
gaggtgcagc tgttggagac tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcg acttatcata tgcagtgggt ccgccgggct
120

ccagggaagg gcctggagtg ggtctcaatg attgatgcgg atggtcttgg gacatactac
180

gcagaccccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccaaggac accgcggtat attactgtgc gagaccgggt
300

ccgcagtttg gtcagtttga ctacttgggt cagggaaccc tggtcaccgt ctcgagc
357

<210> 1037
<211> 357
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1037
gaggtgcagc tgtttgagtc tgggggaggc ttggtacaga ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttcg acttatcata tgcagtgggt ccgccaggct 120

ccagggaagg gtctggagtg ggtctcaatg attgatgcgg atggtcttgg gaaatactac 180

gcagaccccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgt gaaaccgggt 300

ccgcagtttg gtcagtatga ctactggggt cagggaaccc tggtcaccgt ctcgagc 357

<210> 1038
<211> 363
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1038
gaggtgcagc tgttggagtc aggggaggc ttggtacagc ctgggggtc cctgcggctc 60

tcctgttcag cttccggatt caccttttcg gggtatgata tgcagtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcaacg attagtgcgt cgggtgttta tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaatatcct 300

aatcgttttg cgcttaatag ttttgactac aggggtcggg gaaccctggt caccgtctcg 360

agc

<210> 1039
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1039
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cttccggatt caccttttcg gggtatgata tgcagtgggt ccgccaggct 120

ccagggaggg gtctagagtg ggtctcaacg attagtgcgt cgggtgttta tacatactac 180

acagactccg tgaagggccg gttcaccacc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtac gaaatatcca 300

aatcgttttg cgcgtaataa ttttgactac tggggtcagg gaaccctggt caccgtctcg 360

agc 363

<210> 1040
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1040
gacatcctga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

ggggaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat

ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgttcag
aatgcggttt ggcctggtac gttcagccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1041
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1041
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcagacag ttctattttg
tgggcgttag cttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcgagagt
tcatccggtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1042
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1042
gacatccaga tgaccgtgtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcagatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcgagagt

tcttccggat tgcaaagcgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgttcag
aatgcggttt ggcctggtac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1043
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1043
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaaatag ttctattttg
tgggcgttag cttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcgaccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1044
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1044
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaaatag ttctattttg

tgggcgttag cttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcgagagt
tctaccggtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgttcag
aatgcggttt ggcctggtac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1045
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1045
gacatccaga tgaccgtgtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcgagagt tcttccggat tgcaaagcgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1046
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1046
gacatccaga tgacccagtc tccatcctcc

ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcagatag ttctattttg
tgggcgttag cttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcgagagt
tcttccggtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgttcag
aatgcggttt ggcctggtac gttcgaccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1047
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1047
gacatccaga tgacccagtc tccatcctca ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

gggaaagccc ctgagctcct gatcgagagt tcttccggtc tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1048
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 1048
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcgaatag ttctatattg tgggcgttgg cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa 300

gggaccaagg tggaaaacaa acgg 324

<210> 1049
<211> 324
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1049
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaaatag ttctattctg tgggcgttag cttggtacca gcagaaacct 120

gggaaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaaccc 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1050
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1050
gacatccaga tgacccagtc tccatcctcc ctgtctgctt ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg gatcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1051
<211> 324

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1051
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgttggaga ccgtgtcacc 60

atcacttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcgagagt tcttccggat tgcaaagcgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1052
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1052
gacatcctgt tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1053
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1053
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gaagtggaac tgggacagat ttcactctca ccatcagcgg tctgcaacct
240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcgaccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1054
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1054
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcccttgcc gggcaaatag ttctattttg tgggcgttag cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcgagagt tcttccggtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtgcatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgttcag aatgcggttt ggcctggtac gttcggccaa

300

gggaccaagg tggagatcaa acgg
324

<210> 1055
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1055
gacatccaga tggcccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgcgagtc caccttgac gttaggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1056
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1056
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga cagtgtcacc 60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

ggggaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct

240

gaagattttg ctacgtacta ctgccatcag tatgcgagtc caccttgac gttcggccaa
300

gggaccaatg tggaaatcaa acgg
324

<210> 1057
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1057
gacatccaga tgacccagtc tccatcctcc ctatctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctgcgtacta ctgtcatcag tacgagagtc cacctttgac gtttggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1058
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1058
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtcg gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcgcgtt tgcaaagtgg ggtcccatca

180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1059
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1059
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga acgtgtcacc 60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcaa tctgcaacct 240

gaagattctg ctacgtacta ctgtcatcag tatgcgagtc caccttgac gttaggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1060
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1060
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagcca gacgattgag cgtcgtttaa attggtatca gcagaaacca

120

gggaaggccc ctaagctcct gatctatctt
gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag
tatgcgagtc cacctttgac gttaggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1061
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1061
gacatccaga taacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagacc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc ctcctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1062
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1062
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc

60

atcacttgcc gggcaagtca gacgattgag
cgtcgtttaa attggtatca gcagaaacca
120

ggggaagccc ctaagctcct gatctatctt
gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag
tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa atgg
324

<210> 1063
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1063

gacatccagt tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1064
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1064
gacatccaga tgtcccagtc tccatccacc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaagctcct gatctatctt gcttcccgct tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgat gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1065
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1065
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

attacttgcc gggcaagtca gacgattgag
cgtcgtttaa attggtatca gcagaaacca
120

gggaaagacc ctaagctcct gatctatctt
gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacca
240

gaagattttg ctacgtacta ctgtcatcag
tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1066
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1066
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ccgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa actggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1067
<211> 324
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1067
gacatccaga tgacccagtc tccatcctcc ctgtttgcat ctgtagggga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1068

<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1068
gacatccaga tgacccagta tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gtcgattgag cgtcgtttaa attggtatca gcagaaacca
120

ggggaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa
300

gggactaaag tggaaatcaa acgg
324

<210> 1069
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1069
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg gacgattgag cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaagctcct gatctatctt gcttcgcgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatccg tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg

<210> 1070
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1070
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ggcgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatct 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcagcca 240

gaagattttg ctacgtacta ctgtcatcag tatgcgagtc cacctttgac gctcggccaa 300

gggaccaaag tggaaatcaa acgg
324

<210> 1071
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1071
aacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ggcgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttctcgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag

tatgagagtc caccttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1072
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1072
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattggg
cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaagctcct gatctatctt
gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggtcagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc caccttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1073
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1073
gacatccaga tgacccagtc tccatcctcc ctttctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gagcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagaa

tttactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag
tatgagagtc caccttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1074
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1074
gacatccaga tgacccagac tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattgag
cgtcgtttaa attggtatca gcagaaacca
120

ggggaagccc ctaagctcct gatctatctt
gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ccacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tgaaaatcaa acgg 324

<210> 1075
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1075
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga cagtgtcacc 60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt

gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaaccc
240

gaagattttg ctacgtacta ctgtcatcag
tatgagagtc caccttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1076
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1076
cacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattgag
cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgccatcag tatgagagtc caccttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1077
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1077
gacgtccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca gacgattgag

cgtcgtttaa attggtatca gcagaaacca
120

ggggaagccc ctaagctcct gatctatctt
acttcccgtt tgcaaagcgg ggtcccatca
180

cgtttcagtg gtagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgccatcag
tatgcgagtc cacctttgac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1078
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1078
gacatccaga tgacccagtc gccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcaccag tatgagagtc caccttgac gttcggccaa 300

gggaccaaag tggtaatcaa acgg 324

<210> 1079
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1079
gacatccaga tgacccagtc tccatcctcc

ctgtctgcat ctgtaggaga ccgagtcacc
60

atcacttgcc gggcaagtca gacgattgag
cgtcgtttaa attggtatca gcagaaacct
120

gggaaagccc ctaggctcct gatctatctt
gctacccgtt tgcaaagtgg ggtcccatca
180

cgcttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag
tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1080
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1080
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca gccgattgag cgtcgtttaa attggtatca gcagaagcca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacatacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1081
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 1081
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gacgattggg cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1082
<211> 324
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1082
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca gtcgattgag cgccgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc ctcctttgac gttcggccaa 300

gggaccaaag tggaaatcat acgg 324

<210> 1083
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1083
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacct 120

gggaaagccc ctaagctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1084
<211> 324

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1084
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca gtcgattgag cgccgtttaa attggtatca gcagaaacca 120

gggaaagccc ctaagctcct gatctatctt gcttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc ctcctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1085
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1085
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc
60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtatca gcagaaacct
120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca
180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag ttcgagcacc caccttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1086
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1086
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagttt ccccattgac cgtcgtttaa attggtatca gcagaaacct 120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg
324

<210> 1087
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1087
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagttc caccattggc cgtcgtttaa attggtatca gcagaaacct 120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc caccttgac gttcggccaa

300

gggaccaaag tggaaatcaa acgg
324

<210> 1088
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1088
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagttacc 60

atcacttgcc gggcaagttc ccagattggg cgtcgtttaa attggtacca gcagaaacca 120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag
tatgagagtc caccttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1089
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1089
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgagtcacc
60

atcacttgcc gggcaagtga gcggattggg
cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaggctcct gatctatctt
gctacccgtt tgcaaagtgg ggtcccatca
180

cgcttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct

240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc caccttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1090
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1090
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc
60

atcacttgcc gggcaagtca gcagattggc cgccgtttaa attggtatca gcagaaacct
120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca
180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1091
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1091
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagtca gccgattgcc cggcgtttaa attggtacca gcagaaacca 120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca

180

cgcttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag
tatgagagtc caccttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1092
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1092
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgagtcacc
60

atcacttgcc gggcaagtgg gaacattggc
cgtcgtttaa attggtacca gcagaaacca
120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa gcgg 324

<210> 1093
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1093
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagtcg gaacattgac cgtcgtttaa attggtacca gcagaaacca

120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca
180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1094
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1094
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc
60

atcacttgcc gggcaagtca gagcattggg cgtcgtttaa attggtacca gcagaaacct 120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1095
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1095
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc

60

atcacttgcc gggcaagtca gaacattggg
acgcgtttaa attggtacca gcagaaacca
120

gggaaagccc ctaggctcct gatctatctt
gctacccgtt tgcaaagtgg ggtcccatca
180

cgcttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag
tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1096
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1096

gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagtga ggtcattggg cgtcgtttaa attggtacca gcagaaacca 120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1097
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1097
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc
60

atcacttgcc gggcaagtga ggcgattggc cgtcgtttaa attggtatca gcagaaacca
120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca
180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1098
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1098
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagtac cagcattgcg cgtcgtttaa attggtatca gcagaaacct 120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1099
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1099
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagttt gaacattggg cgtcgtttaa attggtacca gcagaaacca 120

gggaaagccc ctaggctcct gatctatctt gctacccgtt tgcaaagtgg ggtcccatca 180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa 300

gggaccaaag tggaaatcaa acgg 324

<210> 1100
<211> 324
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1100
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc
60

atcacttgcc gggcaagtca gacgattgag cgtcgtttaa attggtacca gcagaaacca
120

gggaaagccc ctaggctcct gatctatctt tcgtcgaagt tgcaaagtgg ggtcccatca
180

cgcttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtcatcag tatgagagtc cacctttgac gttcggccaa
300

gggaccaaag tggaaatcaa acgg
324

<210> 1101

<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1101
gaggtgcagc tgttggagtc tgggggaggc ttggttcagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatc caccattgct gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg tgtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgagacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gagagatcct
300

tatagttttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1102
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1102
gaggtgcagc cgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg gatctcagct attagcggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gagagatcct 300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1103
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1103
gaggtgcagc tgttggagtc tgggggaggc
tcggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag ccaccggatc caccttgct
gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat

accgcggtat attactgtgc gagagatcct
300

tacagttatg actactgggg tcagggaacc
ctggtctccg tctcgagc
348

<210> 1104
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1104
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggact cacctttgct
gggtatgaga tgtggtgggt ccgccaggca
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat

240

ctgcaaatga acagcctgcg tgccgaggat accgcagtat atcactgtgc gagagatcct
300

tatagttttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1105
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1105
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactctg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atcactgtgc gaaagaacct 300

tatagttatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1106
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1106
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatc cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tcccgaggat accgcggtat attactgtgt gaaagatcct 300

tatagttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1107
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1107
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatc caccattgcc

gggtatgaga tgtggtgggt ccgccaggct
120

ccggggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gagagatcct
300

tatagttttg actactgggg tcagggaacc
ccggtcaccg tctcgagc
348

<210> 1108
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1108
gaggtgcagc tgatggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc

60

tcctgtgcag cctccggatc cacctttgct
gggtatgaga tgtggtggta ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggaa gtggtagaag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagatcct
300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1109
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1109
gaggtgcagc tgctggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacgtactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcagtat attactgtgc gaaagaacct
300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1110
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1110
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatc caccattgct
gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagatcca
300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1111
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1111
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gagagaccct 300

tatagttttg actactgggg tcagggaacc ctggtctccg tctcgagc 348

<210> 1112

<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1112
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccattgct gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctccgct attagtggta gtggtggtag cacatactac
180

gcggactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagatcct
300

tatagttttg actactgggg tcagggaacc ctggtcaccg tttcgagc
348

<210> 1113
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1113
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg tgtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc acccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagagcct 300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1114
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1114
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gggtatgaga tgtggtggtt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg ataccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat

accgcggtat attactgtgc gaaagatcct
300

tatagttttg actactggcg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1115
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1115
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatc cacctttgct
gggtatgagg tgtggtgggt ccgccaggct
120

ccagggaagg gtctggagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat

240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gagagatcct
300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1116
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1116
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatc cacctttgct
gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg gatctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgaaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagatcct 300

tatagttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1117
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1117
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gagagatcct 300

tatagttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1118
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1118
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggact cacctttgct

gggtatgaga tgtggtgggt ccgccgggct
120

ccagggaagg gtctagagcg ggtcgcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gagagatcct
300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1119
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1119
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc

60

tcctgtgcag cctccggatt caccttgct
gggtatgagt tgtggtgggt ccgccaggcc
120

ccagggaagg gtctagagcg ggtctcagct
attagtggaa gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gagagatcct
300

tatagttttg actaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1120
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1120
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cccccggatt caccttagct gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagaacct
300

tatagttttg actactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1121
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1121
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggact caccttgct
gggtatgaga tgtggtgggt ccgtcgggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccacc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gagagatcct
300

tatagttttg actactgggg tcggggaacc
ctggtcaccg tctcgagc
348

<210> 1122
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1122
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ccgggggggtc cctgcgtctc 60

tcctgtgccg cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attagtggta gcggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagaacct 300

tatagttatg actactgggg tcatggaacc ctggttactg tctcgagc 348

<210> 1123

<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1123
gaggtgcagc cgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttgct gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtaa cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accggggtat attactgtgc gagagatcct
300

tatagttttg actactgggg tcagggtacc ctggtcaccg tctcgagc
348

<210> 1124
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1124
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagaacct 300

tatagttttg actcctgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1125
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1125
gaggcgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt aaccttcgct
gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg cgtctcagct
attagtggta gtggcggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat

accgcggtat attactgtgc gagagatcct
300

tatagttttg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1126
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1126
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatc cacctttgct
gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttctccatc
tcccgcgacg attccaagaa cacgctgtat

240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagaacct
300

tatagttttg accactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1127
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1127
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctcgggatc cacctttgct
gggtatgaga tgtggtgggt ccgcagggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gagagatcct 300

tatagttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1128
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1128
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtggtt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagatcct 300

tatagttttg acaactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1129
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1129
gaggtgcagc tgttggagtc tgggggaggc ttggtagagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct

gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagaacct
300

tatagttttg accaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1130
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1130
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc

60

tcctgtgcag cctccggata cacctttgct
gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagaacct
300

tatagttttg accaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1131
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1131
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gggtatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactctg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat atcactgtgc gaaagaacct
300

tatagttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1132
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1132
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gggtatgaga tgtggtggtt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagatcct
300

tatagttttg acaactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1133
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1133
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactctg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagaacct 300

tatagttatg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1134

<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1134
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct
120

cccgggaagg gtctagagcg ggtctcagct attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gaaagatcct
300

tatagttttg acaactgggg tcagggaacc ctggtcaccg tctcgagc
348

<210> 1135
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1135
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttgct gggtatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtggta gtggtggtag cacatactac 180

gcagactctg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat atcactgtgc gaaagaacct 300

tatagttatg actactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1136
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1136
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gggtatgaga tgtggtggtt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct
attagtggta gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat

accgcggtat attactgtgc gaaagatcct
300

tatagttttg acaactgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1137
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1137
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gggtatgagt tgtggtgggt ccgccaggcc
120

ccagggaagg gtctagagcg ggtctcagct
attagtggaa gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgacg attccaagaa cacgctgtat

240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgc gaaagatcct
300

tatagttttg actaccgggg tcagggaacc
ctggtcaccg tctcgagc
348

<210> 1138
<211> 348
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1138
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttgct
gggtatgagt tgtggtgggt ccgccaggcc
120

ccagggaagg gtctagagcg ggtctcagct
attagtggaa gtggtggtag cacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgc gagagatcct 300

tatagttttg actactgggg tcagggaacc ctggtcaccg tctcgagc 348

<210> 1139
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1139
gaggtgcagc tgttggagtc tgggggggggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttccg actgctgaga tgctgtgggt ccgcaaggct 120

ccagggaagg gtctagagtg ggtctcatct atttcggcta gtggtggttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg 300

gtgagttatg tggcgacgtt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 1140
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1140
gaggtgcagc tgttggtgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttttccg

actgctgaga tgttgtgggt ccgccaggct
120

ccagggaagg gtccagagtg ggtctcatca
atttcggcta gtggtggttc tacatactat
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagccg
300

gtgagttatg tggcgacgtt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 1141
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1141
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc

60

tcgtgtgcag cctccggatt caccttccg
actgccgaga tggtgtgggt ccgcaaggct
120

ccagggatgg gtctagagtg ggtctcatct
atttcggcta gtggtggtta tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa catgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagccg
300

gtgagttatg tggcgacgtt tgactactgg
ggtcagggag ccctggtcac cgtcacgagc
360

<210> 1142
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1142
gaggtgcagc tgttggtgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttccg actgctgaga tggtgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcatct atttcggcta gtggtggttc tacatactac 180

gcagactccg tgaagggccg gttctccatc tcccgcgacg attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg 300

gtgagttatg tggcgacgtt tgactactgg ggtcatggag ccctggtcac cgtctcgagc 360

<210> 1143
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1143
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacatttccg
actgctgaga tgttgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
atttcggcta gtggtggttc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg agccgaggac
accgcggtat attactgtgc gaaagagccg
300

gtgagttatg tggcaacgtt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 1144
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1144
gaggcgcagc tgttggagtc tgggggtggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttccg actgctgaga tggtgtgggt ccgccaggct 120

ccagggaagg gtctagagtg gatctcatct atttcggcta gtggtggttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaattga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg 300

gtgagttatg tggcgacgtt tgactactgg ggtcggggaa ccctggtcac cgtctcgagc 360

<210> 1145

<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1145
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacatttccg actgctgaga tgttgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcatct atttcggcta gtggtggttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagag cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaagagccg 300

gtgagttatg tggcgacgtt tgactactgg ggtccaggag ccctggtcac cgtctcgagc 360

<210> 1146
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1146
gaggtgcagc tgttggagtc cgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacctttccg actgctgaga tgctgtgggt ccgcaaggct 120

ccagggaagg gtctagagtg ggtctcatct atttcggcta gtggtggttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgttt 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc caaagagccg 300

gtgagttatg tggcgacgtt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 1147
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1147
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt cacatttccg actgctgaga tgttgtgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcatct atttcggcta gtggtggttc tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac

accgcggtat attactgtgc gaaagagccg
300

gtgagttatg tggcgacgtt tgactactgg
ggtccaggag ccctggtcac cgtctcgagc
360

<210> 1148
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1148
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttccg
actgctgaga tgctgtgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcatct
atttcggcta gtggtggttc tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat

240

ttgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaagagccg
300

gtgtattatg tggcgacgtt tgactactgg
ggtcagggaa ccctggtcac cgtctcgagc
360

<210> 1149
<211> 360
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1149
gaggtgcagc tgttggagtc cgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttccg
actgctgaga tgctgtgggt ccgcaaggct
120

ccagggaagg gtctagagtg ggtctcatct
atttcggcta gtggtggttc tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac gccgcggtat attactgtgc gaaagagccg 300

gtgagttatg tggcgacgtt tgactactgg ggtcagggaa ccctggtcac cgtctcgagc 360

<210> 1150
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1150
aacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttaa cttggtacca gcataaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1151
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1151
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaacca

120

cggaaagccc ctaaactcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcatcct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctccgac gttcggtcaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1152
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1152
gacatccaga tgacccagtc tccgtcctcc
ctgactgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct ggtcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcaa tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctcctac gttcggccaa 300

gggaccaagg tggaaaacat acgg 324

<210> 1153
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1153
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc

60

atcacttgcc gggcaagtca ttttattgct
actctgttat cttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctccgac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1154
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1154

gacatccaga tgacccagtc tccatccttc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattgct actctgttat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctccgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1155
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1155
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaacca 120

gggaaagcca ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagactttg ctacgtacta ctgtggtcag ggggtgctgt ggcccccgac gttcggccag 300

gggaccaagg tggaaatcaa acgt 324

<210> 1156
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1156
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt tctctgttat cttggtacca gcataaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1157
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1157
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcataaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1158
<211> 324
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1158
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcataaacca
120

gggaaagccc ctaagctcct gatcacttat ggttccatgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg caacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1159

<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1159
gacatccaga tgactcagtc tccatcctcc ctgtctgcat ctgtaggaga ccgagtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cctggtacca gcataaacca 120

gggaaagccc ctaagctcct gatcacctat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggagtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1160
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1160
gacatccaga tgacccagtc tccatcctcc ctgactgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcataaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagaa ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg

<210> 1161
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1161
aacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcataaacca
120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1162
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1162
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcaattgcc gggcaagtca ttttattggt actctgttat cttggtacca gcataaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag

ggggtgctgt ggcctgcgac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1163
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1163
gacatccagt tgacccagtc accatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt
actctgttat cttggtacca gcagaaacca
120

gggaaagcca ctaagctcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctccgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1164
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1164
gacatccaga tgacacagtc tccatcctcc ctgtatgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggtaagtca ttttattggt actctgttat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat

ttcactctca gcatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcccccgac gttcggacaa
300

gggaccaagg tggaaatcaa acag
324

<210> 1165
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1165
gacattcaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt
actctgttat cttggtacca gcagaaacca
120

aggaaagccc ctaagctcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctccgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1166
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1166
gacatccaga ttatccagtc tccatcctcc ctttctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat

ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctccgac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1167
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1167
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt
actctgttat cttggtacca gctgaaacca
120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1168
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1168
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt

actctgttat cttggtacca gctgaaacca
120

gggaaagccc caaagctcct gatcacttat
ggttcctggt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctgcgac gttcggccaa
300

gggaccaagg tagaaaacaa acgg
324

<210> 1169
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1169
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcttaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaacgtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1170
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1170
gacatccaga tgacccaggc tccatcctcc

ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt
actctgttat cttggtacca gctgaaacca
120

gggaaagccc ctaagctcct gatcacttat
ggttccttgt tgcagagtgg ggtcccatca
180

cgtttcagtg gtagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctgcgac gttcggccaa
300

gggaccaagg ttgaaaacaa acgg
324

<210> 1171
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1171
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt tctctgttat cttggtacca gcagaaacca 120

gggaaagccc caaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcgctctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1172
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 1172
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1173
<211> 324
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1173
gacatcctga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1174
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1174
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctggtat cttggtacca gcagaaaccg 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gtacggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1175
<211> 324

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1175
gacatccaga tgacccagtc tccatcctct ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctggtat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac tttcggccaa 300

gggaccaagg tggaaaacaa acgg 324

<210> 1176
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1176
gacatcaaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcgagtca ttttattggt actctggtat cttggtacca gcagaaacca 120

gggaaagccc caaagctcct gatcacttat ggttccatgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1177
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1177
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc aggcaagtca ttttattggt actctggtat cctggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcccgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg
324

<210> 1178
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1178
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttcctggt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa

300

gggaccaagg tggaaatcaa acgg
324

<210> 1179
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1179
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgttggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gctgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttcctggt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1180
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1180
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaaccg 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatt tgggacagat ttcactctca ccatcagcag tctgcaacct

240

gaagattttg ctacgtacta ctgtggtcag gaggtgctgt ggcctgcgac gttcggccaa
300

gggactaagg tggaaatcaa acgg
324

<210> 1181
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1181
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtctcc
60

atcacttgcc gagcaagtca ttttattggt actctgttat cttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatt tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagatcttg ctacgtacta ctgtggtcag gaggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1182
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1182
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc aggcaagtca ttttattggt actctgttat cttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca

180

cgtttcagtg gcagtggatt tgggacagat ttcactctca ccatcagcag tctgcaaccc 240

gaagattttg ctacgtacta ctgtggtcag gaggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1183
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1183
gacatccaga tgacccagtc tccatcctcc ctgtctgcat cagtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaacct 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatt tgggacagaa ttcactctca ccatcggcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggaccaagg tggaaatcaa acgg 324

<210> 1184
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1184
gacatccaga tgacccagtc accatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt actctgttat cttggtacca gcagaaacca

120

gggaaagcca ctaagctcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctccgac gttcggccaa
300

gggaccaagg tggaaatcaa acgg
324

<210> 1185
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1185
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca cttcattgcc agtctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1186
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1186
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc

60

atcacttgcc gggcaagtca tttcattgcc
cagctgttat cttggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg
324

<210> 1187
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1187

gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca tttcattgcc cagctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcag acgg 324

<210> 1188
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1188
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttacattgcc tccctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcagagtgg ggccccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1189
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1189
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttgg gcctcctact tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg
324

<210> 1190
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1190
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttgg acgtcctact tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1191
<211> 324
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1191
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttgg tcgtcctact tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1192

<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1192
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttgg gggtcctggt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg
324

<210> 1193
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1193
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttgg gcgtcctggt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg

<210> 1194
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1194
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttgg agctcctggt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg
324

<210> 1195
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1195
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttggattgcc cagctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag

ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg
324

<210> 1196
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1196
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt
tcgctcttac gctggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1197
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1197
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca tcggattgcc cagctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat

ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg
324

<210> 1198
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1198
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttacattgcc
tccctgttat cttggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1199
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1199
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatccggttc

ggctccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg
324

<210> 1200
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1200
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttattggt
agtctgttat cttggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttac aagtcctact tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1201
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1201
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt

agtctgttat cttggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttgg
ggctcctact tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg
324

<210> 1202
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1202
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttttatttgg gggcccttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattctg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1203
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1203
gacatccaga tgacccagtc tccatcctcc

ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca ttggattgcc
accctgttat cttggtacca ggtgaaacca
120

gggaaagccc ctaagctcct gatcacttat
ggttccttgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtggtcag
ggggtgctgt ggcctgcgac gttcggccaa
300

gggacaacgg tggaaatcaa acgg
324

<210> 1204
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1204
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttatttgg gggcccttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1205
<211> 324
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 1205
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt agcctcttaa actggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttat ggttccttgt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1206
<211> 324
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1206
ggcatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtca ttttattggt agtctgttat cttggtacca ggtgaaacca 120

gggaaagccc ctaagctcct gatcacttac gggtcctggt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtggtcag ggggtgctgt ggcctgcgac gttcggccaa 300

gggacaacgg tggaaatcaa acgg 324

<210> 1207
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1207
Gly Gly Gly Gly Ser
1 5

<210> 1208
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1208
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 1209
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1209
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> 1210
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1210
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Leu Pro Phe Tyr Phe Gln Glu Trp Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser Ala Ser Thr Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Arg Pro Ile Gly Thr Thr Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Leu Trp Asn
Ser Arg Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
         195   200
        205

Gln Ala Gly Thr His Pro Thr Thr Phe Gly
Gln Gly Thr Lys Val Glu
    210   215
   220

Ile Lys Arg
225

<210> 1211
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 1211
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1   5   10
               15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe Gln Glu Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser Ala Ser Thr Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Arg Pro Ile Gly Thr Met Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Leu Ala Phe
Ser Arg Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
         195   200
        205

Gln Ala Gly Thr His His Thr Thr Phe Gly
Gln Gly Thr Lys Val Glu
    210   215
   220

Ile Lys Arg
225

<210> 1212
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 1212
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1   5   10
               15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser Ala Ser Thr Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Arg Pro Ile Gly Thr Thr Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Leu Trp Asn
Ser Arg Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
         195   200
        205

Gln Ala Gly Thr His Pro Thr Thr Phe Gly
Gln Gly Thr Lys Val Glu
    210   215
   220

Ile Lys Arg
225

<210> 1213
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 1213
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1   5   10
               15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser Ala Ser Thr Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Arg Pro Ile Gly Thr Met Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Leu Ala Phe
Ser Arg Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
195 200
205

Gln Ala Gly Thr His His Thr Thr Phe Gly
Gln Gly Thr Lys Val Glu
210 215
220

Ile Lys Arg
225

<210> 1214
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1214
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Thr
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Trp Asn Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Arg
130 135
140

Asp Tyr Glu Met Trp Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Arg Val Ser Ala Ile Asn Pro Gln Gly Thr
Arg Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Ala Lys Leu Pro Phe Tyr Phe Gln
Glu Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1215
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1215
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His His Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Arg
130 135
140

Asp Tyr Glu Met Trp Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Arg Val Ser Ala Ile Asn Pro Gln Gly Thr
Arg Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Ala Lys Leu Pro Phe Tyr Phe Gln
Glu Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1216
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1216
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Thr
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Trp Asn Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Arg
130 135
140

Asp Tyr Glu Met Trp Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Arg Val Ser Ala Ile Asn Pro Gln Gly Thr
Arg Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Ala Lys Leu Pro Phe Tyr Phe His
Glu Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1217
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1217
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His His Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Arg
130 135
140

Asp Tyr Glu Met Trp Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Arg Val Ser Ala Ile Asn Pro Gln Gly Thr
Arg Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
        195   200
       205

Tyr Cys Ala Lys Leu Pro Phe Tyr Phe His
Glu Trp Gly Gln Gly Thr
    210   215
   220

Leu Val Thr Val Ser Ser
225   230

<210> 1218
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
      polypeptide

<400> 1218
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1   5   10
               15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Arg
130 135
140

Asp Tyr Glu Met Trp Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Arg Val Ser Ala Ile Asn Pro Gln Gly Thr
Arg Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Ala Lys Leu Pro Phe Tyr Phe Gln
Glu Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1219
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1219
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Val Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Arg
130 135
140

Asp Tyr Glu Met Trp Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Arg Val Ser Ala Ile Asn Pro Gln Gly Thr
Arg Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Ala Lys Leu Pro Phe Tyr Phe Gln
Glu Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1220
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1220
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Val His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Arg
130 135
140

Asp Tyr Glu Met Trp Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Arg Val Ser Ala Ile Asn Pro Gln Gly Thr
Arg Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Ala Lys Leu Pro Phe Tyr Phe Gln
Glu Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1221
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1221
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Thr
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Trp Asn Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Glu
130 135
140

Glu Glu Glu Met Ile Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Trp Val Ser Ala Ile Ser Arg Asn Gly Tyr
Ser Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Gly Lys Glu Pro Phe Arg Tyr Asp
Tyr Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1222
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1222
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Asn Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser Ala Ser Thr Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Arg Pro Ile Gly Thr Thr Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Leu Trp Asn
Ser Arg Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
195 200
205

Gln Ala Gly Thr His Pro Thr Thr Phe Gly
Gln Gly Thr Lys Val Glu
210 215
220

Ile Lys Arg
225

<210> 1223
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1223
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Trp Ile Gly Ser Gln
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Met Trp Arg Ser Ser Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Gly Leu Arg His Pro Lys
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Glu
130 135
140

Glu Glu Glu Met Ile Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Trp Val Ser Ala Ile Ser Arg Asn Gly Tyr
Ser Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Gly Lys Glu Pro Phe Arg Tyr Asp
Tyr Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1224
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1224
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Asn Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser Ala Ser Thr Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Gln Trp Ile Gly Ser Gln Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Met Trp Arg
Ser Ser Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
195 200
205

Gln Gly Leu Arg His Pro Lys Thr Phe Gly
Gln Gly Thr Lys Val Glu
210 215
220

Ile Lys Arg
225

<210> 1225
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1225
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Asn Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser Ala Ser Thr Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Arg Pro Ile Gly Thr Thr Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Leu Trp Asn
Ser Arg Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
195 200
205

Gln Ala Gly Thr His Pro Thr Thr Phe Gly
Gln Gly Thr Lys Val Glu
210 215
220

Ile Lys Arg
225

<210> 1226
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1226
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Arg Asn Gly Tyr Ser Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Gly Lys Glu Pro Phe Arg Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105

110

Thr Val Ser Ser Ala Ser Thr Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Arg Pro Ile Gly Thr Met Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Leu Ala Phe
Ser Arg Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Asn Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
195 200
205

Gln Ala Gly Thr His Pro Thr Thr Phe Gly
Gln Gly Thr Lys Val Glu
210 215
220

Ile Lys Arg
225

<210> 1227
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1227
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Thr
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Trp Asn Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Ser Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Ala Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Glu
130 135
140

Glu Glu Glu Met Ile Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Trp Val Ser Ala Ile Ser Arg Asn Gly Tyr
Ser Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Gly Lys Glu Pro Phe Arg Tyr Asp
Tyr Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1228
<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1228
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
100 105

110

Pro Ser Glu Val Gln Leu Leu Ala Ser Gly
Gly Gly Leu Val Gln Pro
115 120
125

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Glu
130 135
140

Glu Glu Glu Met Ile Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
145 150
155 160

Trp Val Ser Ala Ile Ser Arg Asn Gly Tyr
Ser Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Gly Lys Glu Pro Phe Arg Tyr Asp
Tyr Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1229
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1229
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Glu
100 105

110

Val Gln Leu Leu Glu Ser Gly Gly Gly Leu
Val Gln Pro Gly Gly Ser
115 120
125

Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
Thr Phe Arg Asp Tyr Glu
130 135
140

Met Trp Trp Val Arg Gln Ala Pro Gly Lys
Gly Leu Glu Arg Val Ser
145 150
155 160

Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr
Tyr Ala Asp Ser Val Lys
165 170
175

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
Lys Asn Thr Leu Tyr Leu
180 185
190

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
Ala Val Tyr Tyr Cys Ala
195 200
205

Lys Leu Pro Phe Tyr Phe His Glu Trp Gly
Gln Gly Thr Leu Val Thr
210 215
220

Val Ser Ser
225

<210> 1230
<211> 231
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1230
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Ala Ser Thr Ser
100 105

110

Gly Pro Ser Glu Val Gln Leu Leu Glu Ser
Gly Gly Gly Leu Val Gln
115 120
125

Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala
Ala Ser Gly Phe Thr Phe
130 135
140

Arg Asp Tyr Glu Met Trp Trp Val Arg Gln
Ala Pro Gly Lys Gly Leu
145 150
155 160

Glu Arg Val Ser Ala Ile Asn Pro Gln Gly
Thr Arg Thr Tyr Tyr Ala
165 170
175

Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
Arg Asp Asn Ser Lys Asn
180 185
190

Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg
Ala Glu Asp Thr Ala Val
195 200
205

Tyr Tyr Cys Ala Lys Leu Pro Phe Tyr Phe
His Glu Trp Gly Gln Gly
210 215
220

Thr Leu Val Thr Val Ser Ser
225 230

<210> 1231
<211> 229
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1231
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Gly Gly Gly Gly
100 105

110

Ser Glu Val Gln Leu Leu Glu Ser Gly Gly
Gly Leu Val Gln Pro Gly
115 120
125

Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser
Gly Phe Thr Phe Arg Asp
130 135
140

Tyr Glu Met Trp Trp Val Arg Gln Ala Pro
Gly Lys Gly Leu Glu Arg
145 150
155 160

Val Ser Ala Ile Asn Pro Gln Gly Thr Arg
Thr Tyr Tyr Ala Asp Ser
165 170
175

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
Asn Ser Lys Asn Thr Leu
180 185
190

Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu
Asp Thr Ala Val Tyr Tyr
195 200
205

Cys Ala Lys Leu Pro Phe Tyr Phe His Glu
Trp Gly Gln Gly Thr Leu
210 215
220

Val Thr Val Ser Ser
225

<210> 1232
<211> 239
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1232
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Gly Gly Gly Gly
100 105

110

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
Ser Glu Val Gln Leu Leu
115 120
125

Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
Gly Ser Leu Arg Leu Ser
130 135
140

Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp
Tyr Glu Met Trp Trp Val
145 150
155 160

Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg
Val Ser Ala Ile Asn Pro
165 170
175

Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser
Val Lys Gly Arg Phe Thr
180 185
190

Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
Tyr Leu Gln Met Asn Ser
195 200
205

Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
Cys Ala Lys Leu Pro Phe
210 215
220

Tyr Phe His Glu Trp Gly Gln Gly Thr Leu
Val Thr Val Ser Ser
225 230
235

<210> 1233
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1233
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
Leu Ser Ala Ser Val Gly
1 5 10
15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Arg Pro Ile Gly Thr Met
20 25
30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile
35 40
45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly
50 55
60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65 70
75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
85 90
95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile

Lys Arg Gly Gly Gly Gly
100 105
110

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
Ser Gly Gly Gly Gly Ser
115 120
125

Gly Gly Gly Gly Ser Glu Val Gln Leu Leu
Glu Ser Gly Gly Gly Leu
130 135
140

Val Gln Pro Gly Gly Ser Leu Arg Leu Ser
Cys Ala Ala Ser Gly Phe
145 150
155 160

Thr Phe Arg Asp Tyr Glu Met Trp Trp Val
Arg Gln Ala Pro Gly Lys
165 170
175

Gly Leu Glu Arg Val Ser Ala Ile Asn Pro
Gln Gly Thr Arg Thr Tyr
180 185
190

Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr
Ile Ser Arg Asp Asn Ser
195 200
205

Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser
Leu Arg Ala Glu Asp Thr
210 215
220

Ala Val Tyr Tyr Cys Ala Lys Leu Pro Phe
Tyr Phe His Glu Trp Gly
225 230
235 240

Gln Gly Thr Leu Val Thr Val Ser Ser
245

<210> 1234
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1234
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser Thr Val Ala Asp Ile Gln
Met Thr Gln Ser Pro Ser
115 120
125

Ser Leu Ser Ala Ser Val Gly Asp Arg Val
Thr Ile Thr Cys Arg Ala
130 135
140

Ser Arg Pro Ile Gly Thr Met Leu Ser Trp
Tyr Gln Gln Lys Pro Gly
145 150
155 160

Lys Ala Pro Lys Leu Leu Ile Leu Ala Phe
Ser Arg Leu Gln Ser Gly
165 170
175

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
Gly Thr Asp Phe Thr Leu
180 185
190

Thr Ile Ser Asn Leu Gln Pro Glu Asp Phe
Ala Thr Tyr Tyr Cys Ala
195 200
205

Gln Ala Gly Thr His Pro Thr Thr Phe Gly
Gln Gly Thr Lys Val Glu
210 215
220

Ile Lys Arg
225

<210> 1235
<211> 231
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1235
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser Ala Ser Thr Ser Gly Pro
Ser Asp Ile Gln Met Thr
115 120
125

Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
Gly Asp Arg Val Thr Ile
130 135
140

Thr Cys Arg Ala Ser Arg Pro Ile Gly Thr
Met Leu Ser Trp Tyr Gln
145 150
155 160

Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu
Ile Leu Ala Phe Ser Arg
165 170
175

Leu Gln Ser Gly Val Pro Ser Arg Phe Ser
Gly Ser Gly Ser Gly Thr
180 185
190

Asp Phe Thr Leu Thr Ile Ser Asn Leu Gln
Pro Glu Asp Phe Ala Thr
195 200
205

Tyr Tyr Cys Ala Gln Ala Gly Thr His Pro
Thr Thr Phe Gly Gln Gly
210 215
220

Thr Lys Val Glu Ile Lys Arg
225 230

<210> 1236
<211> 229
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1236
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser Gly Gly Gly Gly Ser Asp
Ile Gln Met Thr Gln Ser
115 120
125

Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
Arg Val Thr Ile Thr Cys
130 135
140

Arg Ala Ser Arg Pro Ile Gly Thr Met Leu
Ser Trp Tyr Gln Gln Lys
145 150
155 160

Pro Gly Lys Ala Pro Lys Leu Leu Ile Leu
Ala Phe Ser Arg Leu Gln
165 170
175

Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
Gly Ser Gly Thr Asp Phe
180 185
190

Thr Leu Thr Ile Ser Asn Leu Gln Pro Glu
Asp Phe Ala Thr Tyr Tyr
195 200
205

Cys Ala Gln Ala Gly Thr His Pro Thr Thr
Phe Gly Gln Gly Thr Lys
210 215
220

Val Glu Ile Lys Arg
225

<210> 1237
<211> 239
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1237
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp

Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
Gly Gly Gly Ser Gly Gly
115 120
125

Gly Gly Ser Asp Ile Gln Met Thr Gln Ser
Pro Ser Ser Leu Ser Ala
130 135
140

Ser Val Gly Asp Arg Val Thr Ile Thr Cys
Arg Ala Ser Arg Pro Ile
145 150
155 160

Gly Thr Met Leu Ser Trp Tyr Gln Gln Lys
Pro Gly Lys Ala Pro Lys
165 170
175

Leu Leu Ile Leu Ala Phe Ser Arg Leu Gln
Ser Gly Val Pro Ser Arg
180 185
190

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
Thr Leu Thr Ile Ser Asn
195 200
205

Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr
Cys Ala Gln Ala Gly Thr
210 215
220

His Pro Thr Thr Phe Gly Gln Gly Thr Lys
Val Glu Ile Lys Arg
225 230
235

<210> 1238
<211> 249
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 1238
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Leu Pro Phe Tyr Phe His Glu Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
Gly Gly Gly Ser Gly Gly
115 120
125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
Gly Gly Ser Asp Ile Gln
130 135
140

Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
Ser Val Gly Asp Arg Val
145 150
155 160

Thr Ile Thr Cys Arg Ala Ser Arg Pro Ile
Gly Thr Met Leu Ser Trp

165 170
175

Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
Leu Leu Ile Leu Ala Phe
180 185
190

Ser Arg Leu Gln Ser Gly Val Pro Ser Arg
Phe Ser Gly Ser Gly Ser
195 200
205

Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn
Leu Gln Pro Glu Asp Phe
210 215
220

Ala Thr Tyr Tyr Cys Ala Gln Ala Gly Thr
His Pro Thr Thr Phe Gly
225 230
235 240

Gln Gly Thr Lys Val Glu Ile Lys Arg
245

<210> 1239

<211> 230
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1239
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Arg Pro Ile Gly Thr Met
20 25 30

Leu Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Leu Ala Phe Ser Arg Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

```
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
Ile Ser Asn Leu Gln Pro
65                  70
75                  80


Glu Asp Phe Ala Thr Tyr Tyr Cys Ala Gln
Ala Gly Thr His Pro Thr
                 85                  90
               95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
Lys Arg Thr Val Ala Ala
            100                 105
          110


Pro Ser Glu Val Gln Leu Leu Glu Ser Gly
Gly Gly Leu Val Gln Pro
        115                 120
      125


Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
Ser Gly Phe Thr Phe Arg
    130                 135
  140


Asp Tyr Glu Met Trp Trp Val Arg Gln Ala
Pro Gly Lys Gly Leu Glu
```

145 150
155 160

Arg Val Ser Ala Ile Asn Pro Gln Gly Thr
Arg Thr Tyr Tyr Ala Asp
165 170
175

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Asn Ser Lys Asn Thr
180 185
190

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
195 200
205

Tyr Cys Ala Lys Leu Pro Phe Tyr Phe His
Glu Trp Gly Gln Gly Thr
210 215
220

Leu Val Thr Val Ser Ser
225 230

<210> 1240

<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1240
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg 300

ttttactttc aggagtgggg tcagggaacc ctggtcaccg tctcgagcgc tagcaccgac 360

atccagatga cccagtctcc atcctccctg tctgcatctg taggagaccg tgtcaccatc 420

acttgccggg caagtcgtcc gattgggacg acgttaagtt ggtaccagca gaaaccaggg 480

aaagccccta agctcctgat cctttggaat tcccgtttgc aaagtggggt cccatcacgt 540

ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 600

gattttgcta cgtactactg tgcgcaggct gggacgcatc ctacgacgtt cggccaaggg 660

accaaggtgg aaatcaaacg g 681

<210> 1241
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 1241
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggGTC cctgcgtctc
60

tcctgtgcag cctccggatt caccTTTcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttactttc aggagtgggg tcagggaacc
ctggtcaccg tctcgagcgc tagcaccgac
360

atccagatga cccagtctcc atcctccctg
tctgcatctg taggagaccg tgtcaccatc
420

acttgccggg caagtcgtcc gattgggacg
atgttaagtt ggtaccagca gaaaccaggg

480

aaagcccta agctcctgat ccttgctttt
tcccgtttgc aaagtggggt cccatcacgt
540

ttcagtggca gtggatctgg gacagatttc
actctcacca tcagcagtct gcaacctgaa
600

gattttgcta cgtactactg tgcgcaggct
gggacgcatc atacgacgtt cggccaaggg
660

accaaggtgg aaatcaaacg g
681

<210> 1242
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1242
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttactttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagcgc tagcaccgac
360

atccagatga cccagtctcc atcctccctg
tctgcatctg taggagaccg tgtcaccatc
420

acttgccggg caagtcgtcc gattgggacg
acgttaagtt ggtaccagca gaaaccaggg
480

aaagccccta agctcctgat cctttggaat
tcccgtttgc aaagtggggt cccatcacgt
540

ttcagtggca gtggatctgg gacagatttc

actctcacca tcagcagtct gcaacctgaa
600

gattttgcta cgtactactg tgcgcaggct
gggacgcatc ctacgacgtt cggccaaggg
660

accaaggtgg aaatcaaacg g
681

<210> 1243
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1243
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt cacctttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg 300

ttttactttc acgagtgggg tcagggaacc ctggtcaccg tctcgagcgc tagcaccgac 360

atccagatga cccagtctcc atcctccctg tctgcatctg taggagaccg tgtcaccatc 420

acttgccggg caagtcgtcc gattgggacg atgttaagtt ggtaccagca gaaaccaggg 480

aaagccccta agctcctgat ccttgctttt tcccgtttgc aaagtggggt cccatcacgt 540

ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 600

gattttgcta cgtactactg tgcgcaggct gggacgcatc atacgacgtt cggccaaggg 660

accaaggtgg aaatcaaacg g
681

<210> 1244
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1244
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtcg tccgattggg acgacgttaa gttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcctttgg aattcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgcgcag gctgggacgc atcctacgac gttcggccaa

300

gggaccaagg tggaaatcaa acgtacggtg
gctgcaccat ctgaggtgca gctgttggag
360

tctgggggag gcttggtaca gcctgggggg
tccctgcgtc tctcctgtgc agcctccgga
420

ttcacctttc gggattatga gatgtggtgg
gtccgccagg ctccagggaa gggtctagag
480

cgggtctcag ctattaatcc gcagggtacg
cgtacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg acaccgcggt atattactgt
gcgaaacttc cgttttactt tcaggagtgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1245
<211> 690
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1245
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtcg tccgattggg acgatgttaa gttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatccttgct ttttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgcgcag gctgggacgc atcatacgac gttcggccaa 300

gggaccaagg tggaaatcaa acgtacggtg gctgcaccat ctgaggtgca gctgttggag 360

tctgggggag gcttggtaca gcctgggggg

tccctgcgtc tctcctgtgc agcctccgga
420

ttcacctttc gggattatga gatgtggtgg
gtccgccagg ctccagggaa gggtctagag
480

cgggtctcag ctattaatcc gcagggtacg
cgtacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg acaccgcggt atattactgt
gcgaaacttc cgttttactt tcaggagtgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1246
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1246
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtcg tccgattggg acgacgttaa gttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcctttgg aattcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgcgcag gctgggacgc atcctacgac gttcggccaa 300

gggaccaagg tggaaatcaa acgtacggtg gctgcaccat ctgaggtgca gctgttggag 360

tctgggggag gcttggtaca gcctgggggg tccctgcgtc tctcctgtgc agcctccgga 420

ttcacctttc gggattatga gatgtggtgg gtccgccagg ctccagggaa gggtctagag 480

cgggtctcag ctattaatcc gcagggtacg cgtacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg acaccgcggt atattactgt gcgaaacttc cgttttactt tcacgagtgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1247
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1247
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg acgatgttaa gttggtacca gcagaaacca

120

gggaaagccc ctaagctcct gatccttgct
ttttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgcgcag
gctgggacgc atcatacgac gttcggccaa
300

gggaccaagg tggaaatcaa acgtacggtg
gctgcaccat ctgaggtgca gctgttggag
360

tctgggggag gcttggtaca gcctgggggg
tccctgcgtc tctcctgtgc agcctccgga
420

ttcacctttc gggattatga gatgtggtgg
gtccgccagg ctccagggaa gggtctagag
480

cgggtctcag ctattaatcc gcagggtacg
cgtacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg acaccgcggt atattactgt
gcgaaacttc cgttttactt tcacgagtgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1248
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1248
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg
acgatgttaa gttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatccttgct
ttttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat

ttcactctca ccatcagcaa tctgcaacct
240

gaagattttg ctacgtacta ctgcgcgcag
gctgggacgc atcctacgac gttcggccaa
300

gggaccaagg tggaaatcaa acgtacggtg
gctgcaccat ctgaggtgca gctgttggag
360

tccgggggag gcttggtaca gcctgggggg
tccctgcgtc tctcctgtgc agcctccgga
420

ttcacctttc gggattatga gatgtggtgg
gtccgccagg ctccagggaa gggtctagag
480

cgggtctcag ctattaatcc gcagggtacg
cgtacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg acaccgcggt atattactgt
gcgaaacttc cgttttactt tcaggagtgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1249
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1249
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtcg tccgattggg acgatgttaa gttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatccttgct ttttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagatgttg ctacgtacta ctgtgcgcag gctgggacgc atcctacgac gttcggccaa 300

gggaccaagg tggaaatcaa acgtacggtg gctgcaccat ctgaggtgca gctgttggag
360

tctgggggag gcttggtaca gcctgggggg tccctgcgtc tctcctgtgc agcctccgga
420

ttcacctttc gggattatga gatgtggtgg gtccgccagg ctccagggaa gggtctagag
480

cgggtctcag ctattaatcc gcagggtacg cgtacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg acaccgcggt atattactgt gcgaaacttc cgttttactt tcaggagtgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1250
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1250
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtcg tccgattggg acgatgttaa gttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatccttgct ttttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcag tctgcaacct 240

gaagattttg ctacgtacta ctgtgcgcag gctggggtgc atcctacgac gttcggccaa 300

gggaccaagg tggaaatcaa acgtacggtg gctgcaccat ctgaggtgca gctgttggag 360

tctgggggag gcttggtaca gcctgggggg tccctgcgtc tctcctgtgc agcctccgga 420

ttcacctttc gggattatga gatgtggtgg
gtccgccagg ctccagggaa gggtctagag
480

cgggtctcag ctattaatcc gcagggtacg
cgtacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg acaccgcggt atattactgt
gcgaaacttc cgttttactt tcaggagtgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1251
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1251
gacatccaga tgacccagtc tccatcctcc

ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg
acgacgttaa gttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcctttgg
aattcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgcgcag
gctgggacgc atcctacgac gttcggccaa
300

gggaccaagg tggaaatcaa acgtacggtg
gctgcaccat ctgaggtgca gctgttggag
360

tctgggggag gcttggtaca gcctgggggg
tccctgcgtc tctcctgcgc agcctccgga
420

ttcacctttg aggaggagga gatgatttgg
gtccgccagg ctccagggaa gggtctagag
480

tgggtctcag ctattagtag gaacggttac
agcacatact acgcagactc cgtgaagggc

540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg ataccgcggt atattactgt
gggaaagagc cgtttcgtta tgactactgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1252
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1252
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggct
120

ccagggaagg gtctagagtg ggtctcagct attagtagga acggttacag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagcgc tagcaccgac 360

atccagatga cccagtctcc atcctccctg tctgcatctg taggagaccg tgtcaccatc 420

acttgccggg caagtcgtcc gattgggacg acgttaagtt ggtaccagca gaaaccaggg 480

aaagcccta agctcctgat cctttggaat tcccgtttgc aaagtggggt cccatcacgt 540

ttcagtggca gtggatctgg gacagatttc actctcacca tcagcagtct gcaacctgaa 600

gattttgcta cgtactactg tgcgcaggct

gggacgcatc ctacgacgtt cggccaaggg
660

accaaggtgg aaatcaaacg g
681

<210> 1253
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1253
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtca gtggattggg
tctcagttat cttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatcatgtgg
cgttcctcgt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgctcag
ggtttgaggc atcctaagac gttcggccaa
300

gggaccaagg tggaaatcaa acgtacggtg
gctgcaccat ctgaggtgca gctgttggag
360

tctgggggag gcttggtaca gcctgggggg
tccctgcgtc tctcctgcgc agcctccgga
420

ttcacctttg aggaggagga gatgatttgg
gtccgccagg ctccagggaa gggtctagag
480

tgggtctcag ctattagtag gaacggttac
agcacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg ataccgcggt atattactgt
gggaaagagc cgtttcgtta tgactactgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1254
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1254
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtagga acggttacag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagcgc tagcaccgac

360

atccagatga cccagtctcc atcctccctg
tctgcatctg taggagaccg tgtcaccatc
420

acttgccggg caagtcagtg gattgggtct
cagttatctt ggtaccagca gaaaccaggg
480

aaagccccta agctcctgat catgtggcgt
tcctcgttgc aaagtggggt cccatcacgt
540

ttcagtggca gtggatctgg gacagatttc
actctcacca tcagcagtct gcaacctgaa
600

gattttgcta cgtactactg tgctcagggt
ttgaggcatc ctaagacgtt cggccaaggg
660

accaaggtgg aaatcaaacg g
681

<210> 1255
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polynucleotide

<400> 1255
gaggtgcagc tgttggcgtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgcgcag cctccggatt caccttgag gaggaggaga tgatttgggt ccgccaggct 120

ccagggaagg gtctagagtg ggtctcagct attagtagga acggttacag cacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggat accgcggtat attactgtgg gaaagagccg 300

tttcgttatg actactgggg tcagggaacc ctggtcaccg tctcgagcgc ttcaaccgac 360

atccagatga cccagtctcc atcctccctg tctgcatctg taggagaccg tgtcaccatc 420

acttgccggg caagtcgtcc gattgggacg

acgttaagtt ggtaccagca gaaaccaggg
480

aaagcccta agctcctgat cctttggaat
tcccgtttgc aaagtggggt cccatcacgt
540

ttcagtggca gtggatctgg gacagatttc
actctcacca tcagcagtct gcaacctgaa
600

gattttgcta cgtactactg tgcgcaggct
gggacgcatc ctacgacgtt cggccaaggg
660

accaaggtgg aaatcaaacg g
681

<210> 1256
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1256
gaggtgcagc tgttggcgtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgcgcag cctccggatt caccttgag
gaggaggaga tgatttgggt ccgccaggcc
120

ccagggaagg gtctagagtg ggtctcagct
attagtagga acggttacag cacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggat
accgcggtat attactgtgg gaaagagccg
300

tttcgttatg actactgggg tcagggaacc
ctggtcaccg tctcgagcgc ttcaaccgac
360

atccagatga cccagtctcc atcctccctg
tctgcatctg taggagaccg tgtcaccatc
420

acttgccggg caagtcgtcc gattgggacg
atgttaagtt ggtaccagca gaaaccaggg
480

aaagcccta agctcctgat ccttgctttt
tcccgtttgc aaagtggggt cccatcacgt
540

ttcagtggca gtggatctgg gacagatttc actctcacca tcagcaatct gcaacctgaa 600

gattttgcta cgtactactg cgcgcaggct gggacgcatc ctacgacgtt cggccaaggg 660

accaaggtgg aaatcaaacg g 681

<210> 1257
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1257
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtcg tccgattggg acgacgttaa gttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatcctttgg aattcccgtt tgcaaagtgg ggtcccatca

180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcag tctgcaacct
240

gaagattttg ctacgtacta ctgtgcgcag
gctgggacgc atcctacgac gttcggccaa
300

gggaccaagg tggaaatcaa acggaccgtg
gcggcgccga gtgaggtgca gctgttggcg
360

tctgggggag gcttggtaca gcctgggggg
tccctgcgtc tctcctgcgc agcctccgga
420

ttcacctttg aggaggagga gatgatttgg
gtccgccagg ctccagggaa gggtctagag
480

tgggtctcag ctattagtag gaacggttac
agcacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg ataccgcggt atattactgt
gggaaagagc cgtttcgtta tgactactgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1258
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1258
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg acgatgttaa gttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatccttgct ttttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcaa tctgcaacct
240

gaagattttg ctacgtacta ctgcgcgcag

gctgggacgc atcctacgac gttcggccaa
300

gggaccaagg tggaaatcaa acggaccgtg
gcggcgccga gtgaggtgca actgttggcg
360

tctgggggag gcttggtaca gcctgggggg
tccctgcgtc tctcctgcgc agcctccgga
420

ttcacctttg aggaggagga gatgatttgg
gtccgccagg ctccagggaa gggtctagag
480

tgggtctcag ctattagtag gaacggttac
agcacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg ataccgcggt atattactgt
gggaaagagc cgtttcgtta tgactactgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1259
<211> 681

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1259
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg acgatgttaa gttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatccttgct ttttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcaa tctgcaacct
240

gaagattttg ctacgtacta ctgcgcgcag gctgggacgc atcctacgac gttcggccaa
300

gggaccaagg tggaaatcaa acgtacggtg gcggaggtgc agctgttgga gtctggggga
360

ggcttggtac agcctggggg gtccctgcgt ctctcctgtg cagcctccgg attcaccttt
420

cgggattatg agatgtggtg ggtccgccag gctccaggga agggtctaga gcgggtctca
480

gctattaatc cgcagggtac gcgtacatac tacgcagact ccgtgaaggg ccggttcacc
540

atctcccgcg acaattccaa gaacacgctg tatctgcaaa tgaacagcct gcgtgccgag
600

gacaccgcgg tatattactg tgcgaaactt ccgttttact ttcacgagtg gggtcaggga
660

accctggtca ccgtctccag c
681

<210> 1260
<211> 693
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1260
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg
acgatgttaa gttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatccttgct
ttttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcaa tctgcaacct
240

gaagattttg ctacgtacta ctgcgcgcag
gctgggacgc atcctacgac gttcggccaa
300

gggaccaagg tggaaatcaa acgggctagc
acctcaggtc catcggaggt gcagctgttg
360

gagtctgggg gaggcttggt acagcctggg
gggtccctgc gtctctcctg tgcagcctcc
420

ggattcacct ttcgggatta tgagatgtgg
tgggtccgcc aggctccagg gaagggtcta
480

gagcgggtct cagctattaa tccgcagggt
acgcgtacat actacgcaga ctccgtgaag
540

ggccggttca ccatctcccg cgacaattcc
aagaacacgc tgtatctgca aatgaacagc
600

ctgcgtgccg aggacaccgc ggtatattac
tgtgcgaaac ttccgtttta ctttcacgag
660

tggggtcagg gaaccctggt caccgtctcc agc
693

<210> 1261
<211> 687
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1261
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg

acgatgttaa gttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatccttgct
ttttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat
ttcactctca ccatcagcaa tctgcaacct
240

gaagattttg ctacgtacta ctgcgcgcag
gctgggacgc atcctacgac gttcggccaa
300

gggaccaagg tggaaatcaa acggggtgga
ggtggctctg aggtgcagct gttggagtct
360

gggggaggct tggtacagcc tgggggggtcc
ctgcgtctct cctgtgcagc ctccggattc
420

acctttcggg attatgagat gtggtgggtc
cgccaggctc cagggaaggg tctagagcgg
480

gtctcagcta ttaatccgca gggtacgcgt
acatactacg cagactccgt gaagggccgg
540

ttcaccatct cccgcgacaa ttccaagaac
acgctgtatc tgcaaatgaa cagcctgcgt

600

gccgaggaca ccgcggtata ttactgtgcg
aaacttccgt tttactttca cgagtggggt
660

cagggaaccc tggtcaccgt ctccagc
687

<210> 1262
<211> 717
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1262
gacatccaga tgacccagtc tccatcctcc
ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg
acgatgttaa gttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatccttgct
ttttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcaa tctgcaacct 240

gaagattttg ctacgtacta ctgcgcgcag gctgggacgc atcctacgac gttcggccaa 300

gggaccaagg tggaaatcaa acggggtgga ggtggctctg gaggtggcgg tagcggcgga 360

ggcggttcag aggtgcagct gttggagtct gggggaggct tggtacagcc tgggggggtcc 420

ctgcgtctct cctgtgcagc ctccggattc acctttcggg attatgagat gtggtgggtc 480

cgccaggctc cagggaaggg tctagagcgg gtctcagcta ttaatccgca gggtacgcgt 540

acatactacg cagactccgt gaagggccgg ttcaccatct cccgcgacaa ttccaagaac 600

acgctgtatc tgcaaatgaa cagcctgcgt gccgaggaca ccgcggtata ttactgtgcg 660

aaacttccgt tttactttca cgagtggggt

cagggaaccc tggtcaccgt ctccagc
717

<210> 1263
<211> 747
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1263
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc
60

atcacttgcc gggcaagtcg tccgattggg acgatgttaa gttggtacca gcagaaacca
120

gggaaagccc ctaagctcct gatccttgct ttttcccgtt tgcaaagtgg ggtcccatca
180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcaa tctgcaacct
240

gaagattttg ctacgtacta ctgcgcgcag gctgggacgc atcctacgac gttcggccaa

300

gggaccaagg tggaaatcaa acggggtgga
ggtggctctg gaggtggcgg tagcggcggt
360

ggcggttcag gtggcggagg ttctggaggc
ggtggatctg aggtgcagct gttggagtct
420

gggggaggct tggtacagcc tgggggggtcc
ctgcgtctct cctgtgcagc ctccggattc
480

acctttcggg attatgagat gtggtgggtc
cgccaggctc cagggaaggg tctagagcgg
540

gtctcagcta ttaatccgca gggtacgcgt
acatactacg cagactccgt gaagggccgg
600

ttcaccatct cccgcgacaa ttccaagaac
acgctgtatc tgcaaatgaa cagcctgcgt
660

gccgaggaca ccgcggtata ttactgtgcg
aaacttccgt tttactttca cgagtggggt
720

cagggaaccc tggtcaccgt ctccagc
747

<210> 1264
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1264
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg
300

ttttactttc acgagtgggg tcagggaacc

ctggtcaccg tttcgagcac ggtggcggac
360

atccagatga cccagtctcc atcctccctg
tctgcatctg taggagaccg tgtcaccatc
420

acttgccggg caagtcgtcc gattgggacg
atgttaagtt ggtaccagca gaaaccaggg
480

aaagccccta agctcctgat ccttgctttt
tcccgtttgc aaagtggggt cccatcacgt
540

ttcagtggca gtggatctgg gacagatttc
actctcacca tcagcaatct gcaacctgaa
600

gattttgcta cgtactactg cgcgcaggct
gggacgcatc ctacgacgtt cggccaaggg
660

accaaggtgg aaatcaaacg g
681

<210> 1265
<211> 693
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1265
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc 60

tcctgtgcag cctccggatt caccttcgg gattatgaga tgtggtgggt ccgccaggct 120

ccagggaagg gtctagagcg ggtctcagct attaatccgc agggtacgcg tacatactac 180

gcagactccg tgaagggccg gttcaccatc tcccgcgaca attccaagaa cacgctgtat 240

ctgcaaatga acagcctgcg tgccgaggac accgcggtat attactgtgc gaaacttccg 300

ttttactttc acgagtgggg tcagggaacc ctggtcaccg tctcgagcgc tagcacctca 360

ggtccatcgg acatccagat gacccagtct ccatcctccc tgtctgcatc tgtaggagac 420

cgtgtcacca tcacttgccg ggcaagtcgt ccgattggga cgatgttaag ttggtaccag
480

cagaaaccag ggaaagcccc taagctcctg atccttgctt tttcccgttt gcaaagtggg
540

gtcccatcac gtttcagtgg cagtggatct gggacagatt tcactctcac catcagcaat
600

ctgcaacctg aagattttgc tacgtactac tgcgcgcagg ctgggacgca tcctacgacg
660

ttcggccaag ggaccaaggt ggaaatcaaa cgg
693

<210> 1266
<211> 687
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1266
gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggggtc cctgcgtctc

60

tcctgtgcag cctccggatt caccttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttactttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagcgg tggaggcggc
360

tctgacatcc agatgaccca gtctccatcc
tccctgtctg catctgtagg agaccgtgtc
420

accatcactt gccgggcaag tcgtccgatt
gggacgatgt taagttggta ccagcagaaa
480

ccagggaaag cccctaagct cctgatcctt
gcttttccc gtttgcaaag tggggtccca
540

tcacgtttca gtggcagtgg atctgggaca
gatttcactc tcaccatcag caatctgcaa
600

cctgaagatt ttgctacgta ctactgcgcg
caggctggga cgcatcctac gacgttcggc
660

caagggacca aggtggaaat caaacgg
687

<210> 1267
<211> 717
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1267
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct

attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttactttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagcgg tggaggtggc
360

tctggaggtg gcggtagcgg cggtggcggt
tcagacatcc agatgaccca gtctccatcc
420

tccctgtctg catctgtagg agaccgtgtc
accatcactt gccgggcaag tcgtccgatt
480

gggacgatgt taagttggta ccagcagaaa
ccagggaaag cccctaagct cctgatcctt
540

gcttttttccc gtttgcaaag tggggtccca
tcacgtttca gtggcagtgg atctgggaca
600

gatttcactc tcaccatcag caatctgcaa
cctgaagatt ttgctacgta ctactgcgcg

660

caggctggga cgcatcctac gacgttcggc
caagggacca aggtggaaat caaacgg
717

<210> 1268
<211> 747
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polynucleotide

<400> 1268
gaggtgcagc tgttggagtc tgggggaggc
ttggtacagc ctgggggggtc cctgcgtctc
60

tcctgtgcag cctccggatt caccttttcgg
gattatgaga tgtggtgggt ccgccaggct
120

ccagggaagg gtctagagcg ggtctcagct
attaatccgc agggtacgcg tacatactac
180

gcagactccg tgaagggccg gttcaccatc
tcccgcgaca attccaagaa cacgctgtat
240

ctgcaaatga acagcctgcg tgccgaggac
accgcggtat attactgtgc gaaacttccg
300

ttttactttc acgagtgggg tcagggaacc
ctggtcaccg tctcgagcgg tggaggtggc
360

tctggaggtg gcggtagcgg cggtggcggt
tcaggtggcg gaggttctgg aggcggtgga
420

tctgacatcc agatgaccca gtctccatcc
tccctgtctg catctgtagg agaccgtgtc
480

accatcactt gccgggcaag tcgtccgatt
gggacgatgt taagttggta ccagcagaaa
540

ccagggaaag cccctaagct cctgatcctt
gcttttccc gtttgcaaag tggggtccca
600

tcacgtttca gtggcagtgg atctgggaca
gatttcactc tcaccatcag caatctgcaa
660

cctgaagatt ttgctacgta ctactgcgcg
caggctggga cgcatcctac gacgttcggc
720

caagggacca aggtggaaat caaacgg
747

<210> 1269
<211> 690
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1269
gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga ccgtgtcacc 60

atcacttgcc gggcaagtcg tccgattggg acgatgttaa gttggtacca gcagaaacca 120

gggaaagccc ctaagctcct gatccttgct ttttcccgtt tgcaaagtgg ggtcccatca 180

cgtttcagtg gcagtggatc tgggacagat ttcactctca ccatcagcaa tctgcaacct 240

gaagattttg ctacgtacta ctgcgcgcag gctgggacgc atcctacgac gttcggccaa

300

gggaccaagg tggaaatcaa acggaccgta
gcggcgccga gtgaggtgca gctgttggag
360

tctgggggag gcttggtaca gcctgggggg
tccctgcgtc tctcctgtgc agcctccgga
420

ttcacctttc gggattatga gatgtggtgg
gtccgccagg ctccagggaa gggtctagag
480

cgggtctcag ctattaatcc gcagggtacg
cgtacatact acgcagactc cgtgaagggc
540

cggttcacca tctcccgcga caattccaag
aacacgctgt atctgcaaat gaacagcctg
600

cgtgccgagg acaccgcggt atattactgt
gcgaaacttc cgttttactt tcacgagtgg
660

ggtcagggaa ccctggtcac cgtctccagc
690

<210> 1270
<211> 44
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 1270
Cys Ser Pro Gly Phe Gly Val Lys Gln Ile Ala Thr Gly Val Ser Asp
1 5 10 15

Thr Ile Cys Glu Pro Cys Pro Val Gly Phe Phe Ser Asn Val Ser Ser
20 25 30

Ala Phe Glu Lys Cys His Pro Trp Thr Ser Cys Glu
35 40

<210> 1271
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial

Sequence: Synthetic
polypeptide

<400> 1271
Cys Ser Pro Gly Tyr Arg Val Lys Glu Ala
Cys Gly Glu Leu Thr Gly
1 5 10
15

Thr Val Cys Glu Pro Cys Pro Pro Gly Thr
Tyr Ile Ala His Leu Asn
20 25
30

Gly Leu Ser Lys Cys Leu Gln Cys Gln Met
Cys Asp
35 40

<210> 1272
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1272

Cys Gln Pro Gly Gln Lys Leu Val Ser Asp Cys Thr Glu Phe Thr Glu
1 5 10 15

Thr Glu Cys Leu Pro Cys Gly Glu Ser Glu Phe Leu Asp Thr Trp Asn
20 25 30

Arg Glu Thr His Cys His Gln His Lys Tyr Cys Asp
35 40

<210> 1273
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 1273
Asp Pro Gly Gly Gly Gly Gly Arg Leu Val Pro Arg Gly Phe Gly Thr
1 5 10 15

Gly Asp Pro

<210> 1274
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Asp or Gly

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Met or Leu

<400> 1274
Xaa Tyr Glu Xaa Trp
1 5

<210> 1275

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Gln, Tyr, Pro, Trp or Ala

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Thr, Ser, Asn, Gly, Met or Gln

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Arg, Leu, Tyr, His or Phe

<220>
<221> MOD_RES
<222> (16)..(16)
<223> Lys or Met

<400> 1275
Ala Ile Asn Pro Xaa Gly Xaa Xaa Thr Tyr
Tyr Ala Asp Ser Val Xaa

1 5 10
15

Gly

<210> 1276
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Leu or Pro

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Phe, Gln, Thr or Met

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Tyr, Pro, Leu, Thr, Ile, Phe or

Met

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Gln, His, Asp, Ser, Lys, Glu or Gly

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Glu, Asp or Tyr

<400> 1276
Xaa Pro Xaa Xaa Phe Xaa Xaa
1   5

<210> 1277
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<221> MOD_RES
<222> (18)..(18)
<223> Leu or Arg

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Arg or Ala

<400> 1277
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Xaa Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Xaa
20 25 30

<210> 1278
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (4)..(4)

<223> Gln or Arg

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Lys or Arg

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Gly or Val

<400> 1278
Trp Val Arg Xaa Ala Pro Gly Xaa Xaa Leu Glu Arg Val Ser
1 5 10

<210> 1279
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<221> MOD_RES
<222> (12)..(12)

<223> Thr or Met

<220>
<221> MOD_RES
<222> (23)..(23)
<223> Glu or Asp

<220>
<221> MOD_RES
<222> (26)..(26)
<223> Ala or Ser

<220>
<221> MOD_RES
<222> (29)..(29)
<223> Tyr or His

<220>
<221> MOD_RES
<222> (31)..(31)
<223> Ala or Thr

<400> 1279
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys
Asn Xaa Lys Tyr Leu Gln
1 5 10
15

Met Asn Ser Leu Arg Ala Xaa Asp Thr Xaa
Val Tyr Xaa Cys Xaa Lys
20 25
30

<210> 1280
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Trp or Arg

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Gln or Pro

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Ser or Asn

<400> 1280
Xaa Gly Xaa Gly Thr Leu Val Thr Val Ser Xaa
1 5 10

<210> 1281
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<220>
<221> MOD_RES
<222> (13)..(13)
<223> Gln or Arg

<220>
<221> MOD_RES
<222> (99)..(99)
<223> Glu or Gly

<220>
<221> MOD_RES
<222> (101)..(101)
<223> Ala, Leu or Glu

<220>
<221> MOD_RES
<222> (102)..(102)
<223> Phe or Tyr

<220>
<221> MOD_RES
<222> (106)..(106)
<223> Trp or Arg

<400> 1281
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Xaa Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Glu Trp Tyr
20 25
30

Glu Met Gln Trp Val Arg Arg Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Ala Ile Ser Gly Asp Gly Tyr Arg Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70

75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90
95

Ala Lys Xaa Leu Xaa Xaa Phe Asp Tyr Xaa Gly Arg Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 1282
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<220>
<221> MOD_RES
<222> (28)..(28)

<223> Thr or Pro

<220>
<221> MOD_RES
<222> (50)..(50)
<223> Ala or Ser

<220>
<221> MOD_RES
<222> (53)..(53)
<223> Arg or Gly

<220>
<221> MOD_RES
<222> (54)..(54)
<223> Arg, Ser, Asn, Gln, Gly, His or Leu

<220>
<221> MOD_RES
<222> (56)..(56)
<223> Tyr, Phe, Trp or Gly

<220>
<221> MOD_RES
<222> (57)..(57)
<223> Ser or Gly

<220>
<221> MOD_RES
<222> (102)..(102)
<223> Arg, Met or Pro

<400> 1282
Glu Val Gln Leu Leu Ala Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Xaa Phe Glu Glu Glu
20 25
30

Glu Met Ile Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Trp Val
35 40
45

Ser Xaa Ile Ser Xaa Xaa Gly Xaa Xaa Thr
Tyr Tyr Ala Asp Ser Val
50 55
60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65 70
75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys

85 90
95

Gly Lys Glu Pro Phe Xaa Tyr Asp Tyr Trp
Gly Gln Gly Thr Leu Val
100 105
110

Thr Val Ser Ser
115

<210> 1283
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<220>
<221> MOD_RES
<222> (36)..(36)
<223> Met or Leu

<220>
<221> MOD_RES
<222> (39)..(39)

<223> Val or Phe

<220>
<221> MOD_RES
<222> (76)..(76)
<223> Asp or Asn

<220>
<221> MOD_RES
<222> (77)..(77)
<223> Ser or Thr

<220>
<221> MOD_RES
<222> (97)..(97)
<223> Tyr or His

<220>
<221> MOD_RES
<222> (100)..(100)
<223> Lys or Arg

<220>
<221> MOD_RES
<222> (101)..(101)
<223> Asp or Glu

<220>
<221> MOD_RES
<222> (105)..(105)
<223> Tyr or Phe

<220>

<221> MOD_RES
<222> (108)..(108)
<223> Trp or Arg

<220>
<221> MOD_RES
<222> (109)..(109)
<223> Gly or Arg

<220>
<221> MOD_RES
<222> (110)..(110)
<223> Gln or His

<400> 1283
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Ala Gly Thr
20 25
30

Arg Tyr Glu Xaa Trp Trp Xaa Arg Gln Ala
Pro Gly Lys Gly Leu Glu
35 40
45

Arg Val Ser Ala Ile Ser Gly Ser Gly Gly
Ser Thr Tyr Tyr Ala Asp
50 55
60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
Asp Xaa Xaa Lys Asn Thr
65 70
75 80

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala
Glu Asp Thr Ala Val Tyr
85 90
95

Xaa Cys Ala Xaa Xaa Pro Tyr Ser Xaa Asp
Tyr Xaa Xaa Xaa Gly Thr
100 105
110

Leu Val Thr Val Ser Ser
115

<210> 1284
<211> 232
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1284
Glu Pro Lys Ser Ser Asp Lys Thr His Thr Ser Pro Pro Ser Pro Ala
1 5 10 15

Pro Glu Leu Leu Gly Gly Ser Ser Val Phe Leu Phe Pro Pro Lys Pro
20 25 30

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
35 40 45

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
50 55 60

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
65 70

75 80

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
Leu Thr Val Leu His Gln
85 90
95

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
Lys Val Ser Asn Lys Ala
100 105
110

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
Lys Ala Lys Gly Gln Pro
115 120
125

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
Ser Arg Asp Glu Leu Thr
130 135
140

Lys Asn Gln Val Ser Leu Thr Cys Leu Val
Lys Gly Phe Tyr Pro Ser
145 150
155 160

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
Gln Pro Glu Asn Asn Tyr
165 170
175

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
Gly Ser Phe Phe Leu Tyr
180 185
190

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
Gln Gln Gly Asn Val Phe
195 200
205

Ser Cys Ser Val Met His Glu Ala Leu His
Asn His Tyr Thr Gln Lys
210 215
220

Ser Leu Ser Leu Ser Pro Gly Lys
225 230

<210> 1285
<211> 229
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1285
Glu Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe
1 5 10 15

Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
20 25 30

Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
35 40 45

Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val
50 55 60

Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser
65 70

```
75                  80

Thr Tyr Arg Val Val Ser Val Leu Thr Val
Leu His Gln Asp Trp Leu
                85                  90
               95

Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
Asn Lys Gly Leu Pro Ser
            100                 105
          110

Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys
Gly Gln Pro Arg Glu Pro
        115                 120
      125

Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu
Glu Met Thr Lys Asn Gln
    130                 135
  140

Val Ser Leu Thr Cys Leu Val Lys Gly Phe
Tyr Pro Ser Asp Ile Ala
145                 150
155                 160
```

Val Glu Trp Glu Ser Asn Gly Gln Pro Glu
Asn Asn Tyr Lys Thr Thr
165 170
175

Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
Phe Leu Tyr Ser Arg Leu
180 185
190

Thr Val Asp Lys Ser Arg Trp Gln Glu Gly
Asn Val Phe Ser Cys Ser
195 200
205

Val Met His Glu Ala Leu His Asn His Tyr
Thr Gln Lys Ser Leu Ser
210 215
220

Leu Ser Leu Gly Lys
225

<210> 1286
<211> 351
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1286
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asp Tyr
20 25 30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Arg Val
35 40 45

Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70

```
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
               95


Ala Lys Leu Pro Phe Arg Phe Ser Asp Arg
Gly Gln Gly Thr Leu Val
            100                 105
          110


Thr Val Ser Ser Ala Ser Thr Glu Pro Lys
Ser Ser Asp Lys Thr His
        115                 120
      125


Thr Ser Pro Pro Ser Pro Ala Pro Glu Leu
Leu Gly Gly Ser Ser Val
    130                 135
  140


Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
Leu Met Ile Ser Arg Thr
145                 150
155                 160
```

Pro Glu Val Thr Cys Val Val Val Asp Val
Ser His Glu Asp Pro Glu
165 170
175

Val Lys Phe Asn Trp Tyr Val Asp Gly Val
Glu Val His Asn Ala Lys
180 185
190

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser
Thr Tyr Arg Val Val Ser
195 200
205

Val Leu Thr Val Leu His Gln Asp Trp Leu
Asn Gly Lys Glu Tyr Lys
210 215
220

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
Pro Ile Glu Lys Thr Ile
225 230
235 240

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
Gln Val Tyr Thr Leu Pro
245 250

255

Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln
Val Ser Leu Thr Cys Leu
260 265
270

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
Val Glu Trp Glu Ser Asn
275 280
285

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
Pro Pro Val Leu Asp Ser
290 295
300

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
Thr Val Asp Lys Ser Arg
305 310
315 320

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
Val Met His Glu Ala Leu
325 330
335

His Asn His Tyr Thr Gln Lys Ser Leu Ser
Leu Ser Pro Gly Lys
340 345
350

<210> 1287
<211> 348
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence: Synthetic
polypeptide

<400> 1287
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly
Leu Val Gln Pro Gly Gly
1 5 10
15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
Phe Thr Phe Arg Asp Tyr
20 25
30

Glu Met Trp Trp Val Arg Gln Ala Pro Gly
Lys Gly Leu Glu Arg Val
35 40
45

```
Ser Ala Ile Asn Pro Gln Gly Thr Arg Thr
Tyr Tyr Ala Asp Ser Val
    50                  55
   60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn
Ser Lys Asn Thr Leu Tyr
65                  70
75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
Thr Ala Val Tyr Tyr Cys
                 85                  90
               95


Ala Lys Leu Pro Phe Arg Phe Ser Asp Arg
Gly Gln Gly Thr Leu Val
            100                 105
          110


Thr Val Ser Ser Ala Ser Thr Glu Ser Lys
Tyr Gly Pro Pro Cys Pro
        115                 120
       125


Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly
```

Pro Ser Val Phe Leu Phe
130 135
140

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
Ser Arg Thr Pro Glu Val
145 150
155 160

Thr Cys Val Val Val Asp Val Ser Gln Glu
Asp Pro Glu Val Gln Phe
165 170
175

Asn Trp Tyr Val Asp Gly Val Glu Val His
Asn Ala Lys Thr Lys Pro
180 185
190

Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg
Val Val Ser Val Leu Thr
195 200
205

Val Leu His Gln Asp Trp Leu Asn Gly Lys
Glu Tyr Lys Cys Lys Val
210 215
220

```
Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
Lys Thr Ile Ser Lys Ala
225                 230
235                 240


Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
Thr Leu Pro Pro Ser Gln
                245                 250
               255


Glu Glu Met Thr Lys Asn Gln Val Ser Leu
Thr Cys Leu Val Lys Gly
            260                 265
          270


Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
Glu Ser Asn Gly Gln Pro
        275                 280
      285


Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
Leu Asp Ser Asp Gly Ser
    290                 295
  300


Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp
```

```
Lys Ser Arg Trp Gln Glu
305                 310
315                 320


Gly Asn Val Phe Ser Cys Ser Val Met His
Glu Ala Leu His Asn His
                325                 330
               335


Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu
Gly Lys
            340                 345
```