SEQUENCE LISTING

<110> Arcellx, Inc.
HILBERT, David M.
SWERS, Jeffrey S.

<120> D-DOMAIN CONTAINING POLYPEPTIDES AND USES THEREOF

<130> 6666.0200

<140> to be assigned
<141> 2018-11-14

<150> US 62/585,780
<151> 2017-11-14

<160> 936

<170> PatentIn version 3.5

<210> 1
<211> 73
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<213> Artificial sequence

<220>
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Met Gly Ser Trp Ala Glu Phe Lys Gln Arg Leu Ala Ala Ile Lys Thr
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 2

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<220>
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<400> 2

Leu Ala Ala Ile Lys Thr Arg Leu Gln
1 5

<210> 3
<211> 229
<212> PRT
<213> Homo sapiens

<400> 3

Leu Glu Lys Cys Phe Gln Thr Glu Asn Pro Leu Glu Cys Gln Asp Lys
1 5 10 15

Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala
20 25 30

Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln
35 40 45

Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser
50 55 60

Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala Ala Thr
65 70 75 80

Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala
85 90 95

Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met Thr Pro
100 105 110

Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg
115 120 125

```
Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val Pro Pro
    130                 135                 140

Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys Gln Ala
145                 150                 155                 160

Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu
                165                 170                 175

Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile
            180                 185                 190

Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln
        195                 200                 205

Glu Val Cys Phe Ala Glu Glu Gly Gln Lys Leu Ile Ser Lys Thr Arg
    210                 215                 220

Ala Ala Leu Gly Val
225
```

<210> 4
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<220>
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<400> 4

```
Gly Gly Gly Gly Thr Gly Gly Gly Gly Ser
1               5                   10
```

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<220>
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<400> 5

Gly Gly Gly Gly Asp Gly Gly Gly Gly Ser
1 5 10

<210> 6
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<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 6

Met Gly Ser Trp Ala Glu Phe Lys Gln Arg Leu Ala Ala Ile Lys Thr
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 7
<211> 54
<212> PRT
<213> Homo sapiens

<400> 7

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1 5 10 15

Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
20 25 30

```
Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
        35                  40                  45


Val Lys Gly Thr Asn Ala
    50


<210>  8
<211>  287
<212>  PRT
<213>  Homo sapiens

<400>  8

Thr Lys Glu Asp Pro Asn Pro Pro Ile Thr Asn Leu Arg Met Lys Ala
1               5                   10                  15


Lys Ala Gln Gln Leu Thr Trp Asp Leu Asn Arg Asn Val Thr Asp Ile
            20                  25                  30


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


Tyr Cys Gln Phe Gly Ala Ile Ser Leu Cys Glu Val Thr Asn Tyr Thr
    50                  55                  60


Val Arg Val Ala Asn Pro Pro Phe Ser Thr Trp Ile Leu Phe Pro Glu
65                  70                  75                  80


Asn Ser Gly Lys Pro Trp Ala Gly Ala Glu Asn Leu Thr Cys Trp Ile
                85                  90                  95


His Asp Val Asp Phe Leu Ser Cys Ser Trp Ala Val Gly Pro Gly Ala
            100                 105                 110


Pro Ala Asp Val Gln Tyr Asp Leu Tyr Leu Asn Val Ala Asn Arg Arg
        115                 120                 125


Gln Gln Tyr Glu Cys Leu His Tyr Lys Thr Asp Ala Gln Gly Thr Arg
    130                 135                 140
```

```
Ile Gly Cys Arg Phe Asp Asp Ile Ser Arg Leu Ser Ser Gly Ser Gln
145                 150                 155                 160


Ser Ser His Ile Leu Val Arg Gly Arg Ser Ala Ala Phe Gly Ile Pro
                165                 170                 175


Cys Thr Asp Lys Phe Val Val Phe Ser Gln Ile Glu Ile Leu Thr Pro
            180                 185                 190


Pro Asn Met Thr Ala Lys Cys Asn Lys Thr His Ser Phe Met His Trp
        195                 200                 205


Lys Met Arg Ser His Phe Asn Arg Lys Phe Arg Tyr Glu Leu Gln Ile
    210                 215                 220


Gln Lys Arg Met Gln Pro Val Ile Thr Glu Gln Val Arg Asp Arg Thr
225                 230                 235                 240


Ser Phe Gln Leu Leu Asn Pro Gly Thr Tyr Thr Val Gln Ile Arg Ala
                245                 250                 255


Arg Glu Arg Val Tyr Glu Phe Leu Ser Ala Trp Ser Thr Pro Gln Arg
            260                 265                 270


Phe Glu Cys Asp Gln Glu Glu Gly Ala Asn Thr Arg Ala Trp Arg
        275                 280                 285


<210>  9
<211>  591
<212>  PRT
<213>  Homo sapiens

<400>  9

Arg Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser
1               5                   10                  15


Tyr Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe
            20                  25                  30
```

```
Phe Ala Gln Phe Val Gln Glu Ala Thr Tyr Lys Glu Val Ser Lys Met
        35                  40                  45

Val Lys Asp Ala Leu Thr Ala Ile Glu Lys Pro Thr Gly Asp Glu Gln
    50                  55                  60

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

Cys His Glu Lys Glu Ile Leu Glu Lys Tyr Gly His Ser Asp Cys Cys
                85                  90                  95

Ser Gln Ser Glu Glu Gly Arg His Asn Cys Phe Leu Ala His Lys Lys
            100                 105                 110

Pro Thr Pro Ala Ser Ile Pro Leu Phe Gln Val Pro Glu Pro Val Thr
        115                 120                 125

Ser Cys Glu Ala Tyr Glu Glu Asp Arg Glu Thr Phe Met Asn Lys Phe
    130                 135                 140

Ile Tyr Glu Ile Ala Arg Arg His Pro Phe Leu Tyr Ala Pro Thr Ile
145                 150                 155                 160

Leu Leu Trp Ala Ala Arg Tyr Asp Lys Ile Ile Pro Ser Cys Cys Lys
                165                 170                 175

Ala Glu Asn Ala Val Glu Cys Phe Gln Thr Lys Ala Ala Thr Val Thr
            180                 185                 190

Lys Glu Leu Arg Glu Ser Ser Leu Leu Asn Gln His Ala Cys Ala Val
        195                 200                 205

Met Lys Asn Phe Gly Thr Arg Thr Phe Gln Ala Ile Thr Val Thr Lys
    210                 215                 220

Leu Ser Gln Lys Phe Thr Lys Val Asn Phe Thr Glu Ile Gln Lys Leu
225                 230                 235                 240
```

```
Val Leu Asp Val Ala His Val His Glu His Cys Cys Arg Gly Asp Val
                245                 250                 255

Leu Asp Cys Leu Gln Asp Gly Glu Lys Ile Met Ser Tyr Ile Cys Ser
            260                 265                 270

Gln Gln Asp Thr Leu Ser Asn Lys Ile Thr Glu Cys Cys Lys Leu Thr
        275                 280                 285

Thr Leu Glu Arg Gly Gln Cys Ile Ile His Ala Glu Asn Asp Glu Lys
    290                 295                 300

Pro Glu Gly Leu Ser Pro Asn Leu Asn Arg Phe Leu Gly Asp Arg Asp
305                 310                 315                 320

Phe Asn Gln Phe Ser Ser Gly Glu Lys Asn Ile Phe Leu Ala Ser Phe
                325                 330                 335

Val His Glu Tyr Ser Arg Arg His Pro Gln Leu Ala Val Ser Val Ile
            340                 345                 350

Leu Arg Val Ala Lys Gly Tyr Gln Glu Leu Leu Glu Lys Cys Phe Gln
        355                 360                 365

Thr Glu Asn Pro Leu Glu Cys Gln Asp Lys Gly Glu Glu Glu Leu Gln
    370                 375                 380

Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala Lys Arg Ser Cys Gly Leu
385                 390                 395                 400

Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln Asn Ala Phe Leu Val Ala
                405                 410                 415

Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser Ser Glu Leu Met Ala Ile
            420                 425                 430

Thr Arg Lys Met Ala Ala Thr Ala Ala Thr Cys Cys Gln Leu Ser Glu
        435                 440                 445
```

```
Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala Ala Asp Ile Ile Ile Gly
    450                 455                 460

His Leu Cys Ile Arg His Glu Met Thr Pro Val Asn Pro Gly Val Gly
465                 470                 475                 480

Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg Arg Pro Cys Phe Ser Ser
                485                 490                 495

Leu Val Val Asp Glu Thr Tyr Val Pro Pro Ala Phe Ser Asp Asp Lys
            500                 505                 510

Phe Ile Phe His Lys Asp Leu Cys Gln Ala Gln Gly Val Ala Leu Gln
        515                 520                 525

Thr Met Lys Gln Glu Phe Leu Ile Asn Leu Val Lys Gln Lys Pro Gln
    530                 535                 540

Ile Thr Glu Glu Gln Leu Glu Ala Val Ile Ala Asp Phe Ser Gly Leu
545                 550                 555                 560

Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln Glu Val Cys Phe Ala Glu
                565                 570                 575

Glu Gly Gln Lys Leu Ile Ser Lys Thr Arg Ala Ala Leu Gly Val
            580                 585                 590
```

<210> 10
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<213> Artificial sequence

<220>
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<400> 10

```
Leu Glu Lys Cys Phe Gln Thr Glu Asn Pro Leu Glu Cys Gln Asp Lys
1               5                   10                  15
```

```
Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala
            20                  25                  30

Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln
        35                  40                  45

Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser
    50                  55                  60

Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala Ala Thr
65                  70                  75                  80

Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala
                85                  90                  95

Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met Thr Pro
            100                 105                 110

Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg
        115                 120                 125

Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val Pro Pro
    130                 135                 140

Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys Gln Ala
145                 150                 155                 160

Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu
                165                 170                 175

Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile
            180                 185                 190

Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln
        195                 200                 205

Glu Val Cys Phe Ala Glu Glu Gly Gln Lys Leu Ile Ser Lys Thr Arg
    210                 215                 220
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Ala Ala Leu Gly Val
225

<210> 11
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<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 11

Met Gly Ser Trp Tyr Glu Phe Ser Trp Arg Leu Gln Ala Ile His Gln
1 5 10 15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Ala Tyr Ala Ala Gly Ile Arg
50 55 60

Gly Ala Leu Gln Ala Tyr Arg His Asn
65 70

<210> 12
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 12

Met Gly Ser Trp His Glu Phe Thr Trp Arg Leu Ile Ala Ile Gln Gln
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Ala Tyr Ala Ala Gly Ile Arg
    50                  55                  60

His His Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 13
<211> 73
<212> PRT
<213> Artificial sequence

<220>
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<400> 13

```
Met Gly Ser Trp Arg Glu Phe Ala Trp Arg Leu Val Ala Ile Asn Ser
1               5                   10                  15

Arg Leu Lys Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg His Tyr Ala Ala Ser Ile Arg
    50                  55                  60

Asp Gly Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 14
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<212> PRT
<213> Artificial sequence

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<400> 14

Met Gly Ser Trp His Glu Phe Ala Trp Arg Leu Gln Ala Ile Asn Gln
1 5 10 15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg His Tyr Ala Ala His Ile Arg
50 55 60

Asn Gly Leu Gln Ala Tyr Arg His Asn
65 70

<210> 15
<211> 73
<212> PRT
<213> Artificial sequence

<220>
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<400> 15

Met Gly Ser Trp Asn Glu Phe Ala Trp Arg Leu Thr Ala Ile Glu Gln
1 5 10 15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg His Tyr Ala Ala Gly Ile Arg
50 55 60

Asp Asn Leu Gln Ala Tyr Arg His Asn

65 70

<210> 16
<211> 73
<212> PRT
<213> Artificial sequence

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<400> 16

Met Gly Ser Trp Thr Glu Phe Ala Trp Arg Leu Gln Ala Ile His Gln
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Val Tyr Ala Ala Lys Ile Arg
50 55 60

Ile Ser Leu Gln Ala Tyr Arg His Asn
65 70

<210> 17
<211> 73
<212> PRT
<213> Artificial sequence

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<223> synthetic construct

<400> 17

Met Gly Ser Trp Ile Glu Phe Ala Trp Arg Leu Gln Ala Ile His Gln
1 5 10 15

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

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

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

Asp Ser Leu Gln Ala Tyr Arg His Asn
65   70

<210> 18
<211> 73
<212> PRT
<213> Artificial sequence

<220>
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<400> 18

Met Gly Ser Trp His Glu Phe Thr Trp Arg Leu Val Ala Ile Gln Gln
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Lys Phe Ala Ala Lys Ile Arg
    50   55   60

Tyr Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 19
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<212> PRT
<213> Artificial sequence

<220>
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<400> 19

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Met Gly Ser Trp His Glu Phe Thr Trp Arg Leu Ile Ala Ile Arg Glu
1               5                   10                  15


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


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


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


Asn Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 20
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<212> PRT
<213> Artificial sequence

<220>
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<400> 20

```
Met Gly Ser Trp Ile Glu Phe Ser Trp Arg Leu Glu Ala Ile Arg Gln
1               5                   10                  15


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


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


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


Gln Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 21
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 21

Met Gly Ser Trp Val Glu Phe Ser Trp Arg Leu Glu Ala Ile Arg Gln
1   5   10   15

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

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

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

Gln Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 22
<211> 73
<212> PRT
<213> Artificial sequence

<220>
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<400> 22

Met Gly Ser Trp Val Glu Phe Ser Trp Arg Leu Glu Ala Ile Arg Gln
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Asp Leu Arg Lys Tyr Ala Ala Arg Ile Arg
    50   55   60

Gly Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 23
<211> 73
<212> PRT
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<220>
<223> synthetic construct

<400> 23

Met Gly Ser Trp Val Glu Phe Ala Trp Arg Leu Thr Ala Ile Asp Gln
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Asn Leu Arg Phe Tyr Ala Ala Lys Ile Arg
    50   55   60

Ser His Leu Gln Ala Tyr Arg His Asn
65   70

<210> 24
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<212> PRT
<213> Artificial sequence

<220>
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<400> 24

Met Gly Ser Trp Val Glu Phe Ala Trp Arg Leu Glu Ala Ile Lys Gln
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Leu Tyr Ala Ala Lys Ile Arg
    50   55   60

Arg Val Leu Gln Ala Tyr Arg His Asn
65   70

<210> 25
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 25

Met Gly Ser Trp Val Glu Phe Ala Trp Arg Leu Thr Ala Ile His Thr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ser Leu Arg Lys Tyr Ala Ala Lys Ile Arg
    50   55   60

Lys Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 26
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 26

Met Gly Ser Trp Thr Glu Phe Ala Trp Arg Leu Glu Ala Ile Asn Gln
1   5   10   15

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

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

Gly Lys Pro Glu Val Glu Ala Leu Arg Ala Tyr Ala Ala Lys Ile Arg
    50   55   60

Thr Arg Leu Gln Ala Tyr Arg His Asn
65   70

<210> 27
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 27

Met Gly Ser Trp Ser Glu Phe Ala Trp Arg Leu Glu Ala Ile His Gln
1   5   10   15

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

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

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

Glu Asn Leu Gln Ala Tyr Arg His Asn
65 70

<210> 28
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 28

Met Gly Ser Trp Asn Glu Phe Ala Trp Arg Leu Ile Ala Ile Asn Gln
1 5 10 15

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

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

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

Asn Asp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 29
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 29

Met Gly Ser Trp Thr Glu Phe Ala Trp Arg Leu Ile Ala Ile Asp Gln
1 5 10 15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ile Leu Arg Glu Leu Ala Ala Glu Ile Arg
    50                  55                  60

Phe His Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 30
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 30

```
Met Gly Ser Trp Ser Glu Phe Met Asn Arg Leu Asp Ala Ile Thr Tyr
1               5                   10                  15

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

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

Gly Asn Pro Glu Val Glu Leu Leu Arg His Tyr Ala Ala Gln Ile Arg
    50                  55                  60

Asp Ser Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 31
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 31

Met Gly Ser Trp Thr Glu Phe Met Glu Arg Leu Asp Ala Ile Ser Tyr
1 5 10 15

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

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

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

Asn Ser Leu Gln Ala Tyr Arg His Asn
65 70

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<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 32

Met Gly Ser Trp Ala Glu Phe Met Asp Arg Leu Asp Ala Ile Thr Tyr
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Gly Tyr Ala Ala Ile Ile Arg
50 55 60

Ser Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 33
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<212> PRT
<213> Artificial sequence

<220>
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<400> 33

Met Gly Ser Trp Ile Glu Phe Gln Glu Arg Leu Asp Ala Ile Phe Tyr
1 5 10 15

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

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

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

Arg Gln Leu Gln Ala Tyr Arg His Asn
65 70

<210> 34
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<212> PRT
<213> Artificial sequence

<220>
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<400> 34

Met Gly Ser Trp Ile Glu Phe Gln Gln Arg Leu Asp Ala Ile Phe Tyr
1 5 10 15

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

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

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

Lys Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 35
<211> 73
<212> PRT
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<223> synthetic construct

<400> 35

Met Gly Ser Trp Tyr Glu Phe Gln Ser Arg Leu Asp Ala Ile Phe Tyr
1   5   10   15

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

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

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

Thr Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 36
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 36

```
Met Gly Ser Trp Ser Glu Phe Ile Asp Arg Leu Asp Ala Ile Thr Tyr
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Asn Leu Arg Trp Tyr Ala Gly Val Ile Arg
    50                  55                  60


Glu Gln Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 37
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 37

```
Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Tyr Ala Ile Asn Gln
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Asp Leu Arg Trp Tyr Ala Ala Phe Ile Arg
    50                  55                  60


Ala Gln Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 38
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 38

Met Gly Ser Trp Tyr Glu Phe Tyr Asp Arg Leu Asp Ala Ile Val His
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Asn Leu Arg Trp Tyr Ala Ala Met Ile Arg
    50   55   60

Val Arg Leu Gln Ala Tyr Arg His Asn
65   70

<210> 39
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 39

Met Gly Ser Trp Val Glu Phe Gln Asp Arg Leu Glu Ala Ile Thr Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Ser Ala Ala Met Ile Arg
    50   55   60

Val Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 40
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 40

Met Gly Ser Trp Val Glu Phe Gln Glu Arg Leu Met Ala Ile Ser Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Trp Gln Ala Ala Met Ile Arg
    50   55   60

Tyr Thr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 41
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 41

Met Gly Ser Trp Phe Glu Phe Gln His Arg Leu Glu Ala Ile Ser Met
1   5   10   15

```
Arg Leu His Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Glu Leu Arg Trp Gln Ala Ala Tyr Ile Arg
    50                  55                  60


Val Val Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  42
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  42

Met Gly Ser Trp Val Glu Phe Gln Ser Arg Leu Glu Ala Ile Ala Thr
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Glu Leu Arg Trp Gln Ala Ala Trp Ile Arg
    50                  55                  60


Met Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  43
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 43

Met Gly Ser Trp Glu Glu Phe Gln Tyr Arg Leu Gly Ala Ile Ala Ala
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Trp Gln Ala Ala Met Ile Arg
    50   55   60

Phe Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 44
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 44

Met Gly Ser Trp Tyr Glu Phe Gln Val Arg Leu Gln Ala Ile Ser Trp
1   5   10   15

Arg Leu Lys Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn His Glu Val Glu Glu Leu Arg Ile Gln Ala Ala Leu Ile Arg
    50   55   60

Val Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 45
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 45

Met Gly Ser Trp Val Glu Phe Arg Ser Arg Leu Glu Ala Ile Ser Asn
1 5 10 15

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

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

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

Val Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 46
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 46

Met Gly Ser Trp Val Glu Phe Lys Ala Arg Leu Glu Ala Ile Ser Ser
1 5 10 15

Arg Leu Thr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

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

Val Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 47
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 47

```
Met Gly Ser Trp Ser Glu Phe Tyr Thr Arg Leu Glu Ala Ile Asn Asn
1               5                   10                  15

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

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

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

Ile Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 48
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 48

Met Gly Ser Trp Ala Glu Phe Tyr His Arg Leu Asp Ala Ile Ser Ser
1   5   10   15

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

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

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

Ile Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 49
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 49

Met Gly Ser Trp Thr Glu Phe Ala Ser Arg Leu Val Ala Ile Arg Gln
1   5   10   15

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

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

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

Val Met Leu Gln Ala Tyr Arg His Asn

65 70

<210> 50
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 50

Met Gly Ser Trp Ser Glu Phe Asp Gln Arg Leu Ala Ala Ile Tyr Gln
1 5 10 15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

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

Val Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 51
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 51

Met Gly Ser Trp Val Glu Phe His Asn Arg Leu Ser Ala Ile Ser Asp
1 5 10 15

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

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

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

Val Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 52
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 52

Met Gly Ser Trp Asn Glu Phe Glu Asp Arg Leu Ser Ala Ile Ser Ala
1   5   10   15

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

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

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

Val Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 53
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 53

```
Met Gly Ser Trp Val Glu Phe Glu Tyr Arg Leu Val Ala Ile Phe Asp
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Gln Ala Ala Leu Ile Arg
    50                  55                  60


Val Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  54
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  54

Met Gly Ser Trp Val Glu Phe Gln Gly Arg Leu Gly Ala Ile His Glu
1               5                   10                  15


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


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


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


Val Phe Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 55
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 55

Met Gly Ser Trp Tyr Glu Phe Ser Met Arg Leu Ser Ala Ile Trp Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Gln Ala Ala Leu Ile Arg
    50   55   60

Phe Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 56
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 56

Met Gly Ser Trp Thr Glu Phe Ser Gln Arg Leu Gly Ala Ile Ser Glu
1   5   10   15

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

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

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

Phe Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 57
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 57

Met Gly Ser Trp Thr Glu Phe His Asp Arg Leu Glu Ala Ile Thr His
1   5   10   15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

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

Val Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 58
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 58

Met Gly Ser Trp Thr Glu Phe Glu His Arg Leu Glu Ala Ile Ala Gly
1   5   10   15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

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

Phe Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 59
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 59

Met Gly Ser Trp Thr Glu Phe Ala Asn Arg Leu Glu Ala Ile Asn Ala
1   5   10   15

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

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

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

Val Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 60
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 60

Met Gly Ser Trp Glu Glu Phe Asp Arg Arg Leu Tyr Ala Ile Ala Arg
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Gln Ala Ala Leu Ile Arg
    50   55   60

Val Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 61
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 61

Met Gly Ser Trp Ile Glu Phe His Gln Arg Leu Glu Ala Ile Val Thr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Gln Ala Ala Leu Ile Arg
    50   55   60

Val Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 62
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 62

Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Lys Ala Ile Ala Asp
1 5 10 15

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

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

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

Val Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 63
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 63

Met Gly Ser Trp Trp Glu Phe Glu Asp Arg Leu Ser Ala Ile Met Glu
1 5 10 15

Arg Leu His Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Arg Ala Ala Ile Ile Arg
    50                  55                  60

Val Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 64
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 64

```
Met Gly Ser Trp Val Glu Phe Glu Glu Arg Leu Ala Ala Ile Ala Thr
1               5                   10                  15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Trp Arg Ala Ala Ile Ile Arg
    50                  55                  60

Val Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 65
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 65

Met Gly Ser Trp Ser Glu Phe Arg Gly Arg Leu Gln Ala Ile His Ser
1 5 10 15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

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

Ile Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 66
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 66

Met Gly Ser Trp Thr Glu Phe Arg Asp Arg Leu Gly Ala Ile Tyr His
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Gln Ala Ala Ile Ile Arg
50 55 60

Val Tyr Leu Gln Ala Tyr Arg His Asn

65 70

<210> 67
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 67

Met Gly Ser Trp Val Glu Phe Tyr His Arg Leu Glu Ala Ile Arg Tyr
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Val Ala Ala Val Ile Arg
50 55 60

Tyr Arg Leu Gln Ala Tyr Arg His Asn
65 70

<210> 68
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 68

Met Gly Ser Trp Val Glu Phe Tyr Asp Arg Leu Glu Ala Ile Arg Tyr
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Ile Ala Ala Val Ile Arg
    50   55   60

Tyr Arg Leu Gln Ala Tyr Arg His Asn
65   70

<210> 69
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 69

Met Gly Ser Trp Val Glu Phe Tyr Asp Arg Leu Ala Ala Ile Arg Lys
1   5   10   15

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

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

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

Ile Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 70
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 70

```
Met Gly Ser Trp Glu Glu Phe Ser Glu Arg Leu Glu Ala Ile Ser Ile
1               5                  10                  15


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


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


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


Val Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  71
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  71

Met Gly Ser Trp Ser Glu Phe Ser Asp Arg Leu His Ala Ile Ser Asp
1               5                  10                  15


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


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


Gly Asn Pro Glu Val Glu Glu Leu Arg Ile Gln Ala Ala Ile Ile Arg
    50                  55                  60


Val Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 72
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 72

Met Gly Ser Trp Ile Glu Phe Ser His Arg Leu Glu Ala Ile Val Asp
1   5   10   15

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

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

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

Val Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 73
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 73

Met Gly Ser Trp Glu Glu Phe Ser Asp Arg Leu Glu Ala Ile Leu Arg
1   5   10   15

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

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

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

Val Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 74
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 74

Met Gly Ser Trp Met Glu Phe Ser His Arg Leu Asp Ala Ile His Glu
1   5   10   15

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

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

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

Val Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 75
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 75

Met Gly Ser Trp Ser Glu Phe Gln Gln Arg Leu His Ala Ile Arg Thr
1   5   10   15

```
Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


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


Val Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  76
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  76

Met Gly Ser Trp Tyr Glu Phe Gln Asn Arg Leu Gly Ala Ile Asn Arg
1               5                   10                  15


Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


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


Val Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  77
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 77

Met Gly Ser Trp Gln Glu Phe Thr Gly Arg Leu His Ala Ile Arg His
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Phe Glu Ala Ala Tyr Ile Arg
    50   55   60

Val Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 78
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 78

Met Gly Ser Trp Thr Glu Phe Asp His Arg Leu Gly Ala Ile Trp Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Phe His Ala Ala Ile Ile Arg
    50   55   60

Ile Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 79
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 79

Met Gly Ser Trp Thr Glu Phe His Val Arg Leu Ser Ala Ile Trp Asp
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Phe His Ala Ala Ile Ile Arg
50 55 60

Ile Val Leu Gln Ala Tyr Arg His Asn
65 70

<210> 80
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 80

Met Gly Ser Trp Asn Glu Phe Asp Asn Arg Leu Gln Ala Ile Trp Asp
1 5 10 15

Arg Leu His Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Phe His Ala Ala Met Ile Arg
    50                  55                  60

Ile Thr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 81
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 81

```
Met Gly Ser Trp Thr Glu Phe His Glu Arg Leu Gln Ala Ile Trp Phe
1               5                   10                  15

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

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

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

Leu Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 82
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 82

Met Gly Ser Trp Asn Glu Phe Ser Gly Arg Leu Thr Ala Ile Lys Asp
1   5   10   15

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

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

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

Leu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 83
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 83

Met Gly Ser Trp Val Glu Phe Asp Glu Arg Leu Val Ala Ile Trp Phe
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Ala Arg Ala Ala Tyr Ile Arg
    50   55   60

Ile Trp Leu Gln Ala Tyr Arg His Asn

65 70

<210> 84
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 84

Met Gly Ser Trp Ser Glu Phe Gly Gln Arg Leu Ser Ala Ile Trp Glu
1 5 10 15

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

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

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

Ile Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 85
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 85

Met Gly Ser Trp Tyr Glu Phe Glu Asp Arg Leu Val Ala Ile Trp Ile
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr Asn Ala Ala Phe Ile Arg
    50   55   60

Gly Ala Leu Gln Ala Tyr Arg His Asn
65   70

<210> 86
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 86

Met Gly Ser Trp Tyr Glu Phe Gly Asp Arg Leu Ser Ala Ile Trp Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Thr His Ala Ala Glu Ile Arg
    50   55   60

Thr Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 87
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 87

```
Met Gly Ser Trp His Glu Phe Tyr Tyr Arg Leu Glu Ala Ile Glu Gln
1               5                   10                  15


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


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


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


Ile Tyr Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  88
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  88

Met Gly Ser Trp Ser Glu Phe Glu Glu Arg Leu Ala Ala Ile Gly Ser
1               5                   10                  15


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


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


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


Ile Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 89
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 89

Met Gly Ser Trp Leu Glu Phe His Tyr Arg Leu His Ala Ile Gln Phe
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Thr Leu Arg His Ile Ala Ala Leu Ile Arg
50 55 60

Asn Gln Leu Gln Ala Tyr Arg His Asn
65 70

<210> 90
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 90

Met Gly Ser Trp Gln Glu Phe Tyr Asn Arg Leu Glu Ala Ile His Met
1 5 10 15

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

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

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

Asp Val Leu Gln Ala Tyr Arg His Asn
65   70

<210> 91
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 91

Met Gly Ser Trp Asn Glu Phe His His Arg Leu Trp Ala Ile Phe Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Val Leu Arg Lys Met Ala Ala Gly Ile Arg
    50   55   60

Gly Gly Leu Gln Ala Tyr Arg His Asn
65   70

<210> 92
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 92

Met Gly Ser Trp Tyr Glu Phe His Tyr Arg Leu Lys Ala Ile Asn Asp
1   5   10   15

```
Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Tyr Leu Arg Tyr Ser Ala Ala Met Ile Arg
    50                  55                  60


His Lys Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  93
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  93

Met Gly Ser Trp Thr Glu Phe His Gln Arg Leu Gly Ala Ile His Ala
1               5                   10                  15


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


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


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


Leu Lys Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  94
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 94

Met Gly Ser Trp Phe Glu Phe Gln Tyr Arg Leu Glu Ala Ile Phe Tyr
1   5   10   15

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

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

Gly Lys Pro Glu Val Glu Glu Leu Arg Val Arg Ala Ala Leu Ile Arg
    50   55   60

His Leu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 95
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 95

Met Gly Ser Trp Val Glu Phe His Ala Arg Leu Asp Ala Ile Tyr Thr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Val Leu Ala Ala His Ile Arg
    50   55   60

Ile Ser Leu Gln Ala Tyr Arg His Asn
65 70

<210> 96
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 96

Met Gly Ser Trp Val Glu Phe Gly Thr Arg Leu Ser Ala Ile Tyr Asn
1 5 10 15

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

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

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

Ile Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 97
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 97

Met Gly Ser Trp Val Glu Phe Thr His Arg Leu Asp Ala Ile Tyr Ile
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

20 25 30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg His Glu Ala Ala Val Ile Arg
50 55 60

Glu Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 98
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 98

Met Gly Ser Trp Val Glu Phe His Gly Arg Leu Ala Ala Ile Tyr Val
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Ser Leu Arg Tyr His Ala Ala Met Ile Arg
50 55 60

Arg Asn Leu Gln Ala Tyr Arg His Asn
65 70

<210> 99
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 99

Met Gly Ser Trp Val Glu Phe Asp Arg Arg Leu Val Ala Ile Tyr Ile
1 5 10 15

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

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

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

Leu Leu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 100
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 100

Met Gly Ser Trp Val Glu Phe Asp Arg Arg Leu Val Ala Ile Tyr Ile
1 5 10 15

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

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

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

Glu Thr Leu Gln Ala Tyr Arg His Asn

65 70

<210> 101
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 101

Met Gly Ser Trp Leu Glu Phe Asp Arg Arg Leu Thr Ala Ile Tyr Leu
1 5 10 15

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

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

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

Asp Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 102
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 102

Met Gly Ser Trp Ile Glu Phe Asp Arg Arg Leu Leu Ala Ile His Val
1 5 10 15

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

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

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

Met Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 103
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 103

Met Gly Ser Trp Ile Glu Phe Asp Arg Arg Leu Ile Ala Ile Trp Ile
1   5   10   15

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

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

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

Gln Lys Leu Gln Ala Tyr Arg His Asn
65   70

<210> 104
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 104

```
Met Gly Ser Trp Val Glu Phe Asp Arg Arg Leu Ile Ala Ile Trp Val
1               5                   10                  15


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


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


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


Glu His Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 105
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 105

```
Met Gly Ser Trp Tyr Glu Phe His Thr Arg Leu Ile Ala Ile Tyr Val
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Trp Leu Arg Gly Asp Ala Ala Lys Ile Arg
    50                  55                  60


Gly Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 106
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 106

Met Gly Ser Trp Ser Glu Phe Ser Thr Arg Leu Ser Ala Ile Tyr Val
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Asn Lys Ala Ala Ser Ile Arg
    50   55   60

Lys Thr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 107
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 107

Met Gly Ser Trp Val Glu Phe Arg Tyr Arg Leu Gly Ala Ile Tyr His
1   5   10   15

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

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

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

Arg Leu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 108
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 108

Met Gly Ser Trp Asn Glu Phe Arg Asn Arg Leu Gly Ala Ile Asp Ser
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Thr Leu Arg Ala His Ala Ala Ile Ile Arg
    50   55   60

Ser Val Leu Gln Ala Tyr Arg His Asn
65   70

<210> 109
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 109

Met Gly Ser Trp His Glu Phe Arg Asn Arg Leu Gly Ala Ile Asp Ser
1   5   10   15

```
Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Thr Leu Arg Ala Arg Ala Ala Met Ile Arg
    50                  55                  60


Ser Val Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  110
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  110

Met Gly Ser Trp Thr Glu Phe Tyr Gln Arg Leu Glu Ala Ile Asn Phe
1               5                   10                  15


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


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


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


Leu Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  111
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 111

Met Gly Ser Trp Asn Glu Phe Tyr Asn Arg Leu His Ala Ile Asn Leu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Val Leu Arg Glu His Ala Ala Ile Ile Arg
    50   55   60

Gln Ala Leu Gln Ala Tyr Arg His Asn
65   70

<210> 112
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 112

Met Gly Ser Trp Glu Glu Phe Tyr Gly Arg Leu Ser Ala Ile Gln Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Met His Ala Ala Val Ile Arg
    50   55   60

Arg Ala Leu Gln Ala Tyr Arg His Asn
65 70

<210> 113
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 113

Met Gly Ser Trp Gly Glu Phe Asn Leu Arg Leu Val Ala Ile His Val
1 5 10 15

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

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

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

Ala Gln Leu Gln Ala Tyr Arg His Asn
65 70

<210> 114
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 114

Met Gly Ser Trp Gly Glu Phe Ser Asp Arg Leu Glu Ala Ile Asn Glu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Trp Gln Ala Ala Phe Ile Arg
    50                  55                  60

Ala Asn Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 115
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 115

```
Met Gly Ser Trp Met Glu Phe Gln Gly Arg Leu Pro Ala Ile Leu Ala
1               5                   10                  15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Asp Lys Ala Ala Tyr Ile Arg
    50                  55                  60

Trp Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 116
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 116

Met Gly Ser Trp Met Glu Phe Glu Gly Arg Leu Pro Ala Ile Leu Ala
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Asp Lys Ala Ala Tyr Ile Arg
50 55 60

Trp Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 117
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 117

Met Gly Ser Trp Phe Glu Phe Gln Asn Arg Leu Gln Ala Ile Leu Phe
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Asn Leu Arg Asp Lys Ala Ala Tyr Ile Arg
50 55 60

Leu Met Leu Gln Ala Tyr Arg His Asn

65 70

<210> 118
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 118

Met Gly Ser Trp Val Glu Phe Asp Met Arg Leu Gln Ala Ile Leu Glu
1 5 10 15

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

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

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

Leu Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 119
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 119

Met Gly Ser Trp Val Glu Phe Asn Ala Arg Leu Asp Ala Ile Leu Phe
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Asp Gln Ala Ala Tyr Ile Arg
    50   55   60

Leu Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 120
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 120

Met Gly Ser Trp Met Glu Phe Asn Val Arg Leu Arg Ala Ile Leu Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Leu Leu Arg Asp Lys Ala Ala Tyr Ile Arg
    50   55   60

Phe Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 121
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 121

```
Met Gly Ser Trp Ile Glu Phe Asp Thr Arg Leu Ala Ala Ile Val His
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Leu Leu Arg Asp Lys Ala Ala Tyr Ile Arg
    50                  55                  60


Tyr Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  122
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  122

Met Gly Ser Trp Ile Glu Phe Asp Tyr Arg Leu Lys Ala Ile Leu His
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Gly Leu Arg Asp Lys Ala Ala Tyr Ile Arg
    50                  55                  60


Phe Leu Leu Gln Ala Tyr Arg His Asn
65                  70
```

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

<220>
<223> synthetic construct

<400> 123

Met Gly Ser Trp Tyr Glu Phe Glu Asp Arg Leu Leu Ala Ile Lys Val
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Asp Gln Ala Ala Tyr Ile Arg
    50   55   60

Phe Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 124
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 124

Met Gly Ser Trp Tyr Glu Phe Gln Asp Arg Leu Ser Ala Ile Thr Thr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Leu Leu Arg Asp Lys Ala Ala Tyr Ile Arg
    50   55   60

Phe Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 125
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 125

Met Gly Ser Trp Glu Glu Phe Asp Asp Arg Leu Asn Ala Ile Val Tyr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Met Leu Arg Asp Gln Ala Ala Tyr Ile Arg
    50   55   60

Leu Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 126
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 126

Met Gly Ser Trp Val Glu Phe Glu Gln Arg Leu His Ala Ile Val Val
1   5   10   15

```
Arg Leu Arg Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Asn Leu Arg Asp Gln Ala Ala Tyr Ile Arg
    50                  55                  60


Phe Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  127
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  127

Met Gly Ser Trp Val Glu Phe Glu Trp Arg Leu Glu Ala Ile Val Val
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu His Leu Arg Asp Lys Ala Ala Tyr Ile Arg
    50                  55                  60


Tyr Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  128
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 128

Met Gly Ser Trp Tyr Glu Phe Glu His Arg Leu Lys Ala Ile Val Ser
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Asp Lys Ala Ala Tyr Ile Arg
50 55 60

Tyr Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 129
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 129

Met Gly Ser Trp Met Glu Phe Lys His Arg Leu Ala Ala Ile Thr Phe
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Leu Leu Arg Asp Lys Ala Ala Tyr Ile Arg
50 55 60

Leu Leu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 130
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 130

Met Gly Ser Trp Met Glu Phe Glu Gly Arg Leu His Ala Ile Lys Arg
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Val Leu Arg Asp Gln Ala Ala Tyr Ile Arg
50 55 60

Leu Leu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 131
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 131

Met Gly Ser Trp Ser Glu Phe Val Phe Arg Leu Asp Thr Ile Lys Ser
1 5 10 15

Arg Leu Arg Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

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

Leu Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 132
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 132

```
Met Gly Ser Trp Tyr Glu Phe Asp Glu Arg Leu Ser Ala Ile Lys Leu
1               5                   10                  15

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

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

Gly Asn Pro Glu Val Glu Val Leu Arg Ala Gln Ala Ala Tyr Ile Arg
    50                  55                  60

Ala Ile Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 133
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 133

Met Gly Ser Trp Met Glu Phe Asp Glu Arg Leu Trp Ala Ile Lys Lys
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Phe Leu Arg His Gln Ala Ala Tyr Ile Arg
    50   55   60

Met Leu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 134
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 134

Met Gly Ser Trp His Glu Phe Asp Gly Arg Leu Ser Ala Ile Lys Arg
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Asp Gln Ala Ala Tyr Ile Arg
    50   55   60

Tyr Met Leu Gln Ala Tyr Arg His Asn

65 70

<210> 135
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 135

Met Gly Ser Trp Tyr Glu Phe Asp Gly Arg Leu Gln Ala Ile Ile Ala
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Phe Arg Ala Ala Tyr Ile Arg
50 55 60

Trp Ile Leu Gln Ala Tyr Arg His Asn
65 70

<210> 136
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 136

Met Gly Ser Trp Phe Glu Phe Asp Lys Arg Leu Tyr Ala Ile Ile His
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Lys Ala Ala Ile Ile Arg
    50   55   60

Leu Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 137
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 137

Met Gly Ser Trp Val Glu Phe Asp Asn Arg Leu Tyr Ala Ile Val Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Gln Lys Ala Ala Tyr Ile Arg
    50   55   60

Leu Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 138
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 138

```
Met Gly Ser Trp Ile Glu Phe His Gln Arg Leu Asn Ala Ile Phe Asn
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Trp Leu Arg His His Ala Ala Tyr Ile Arg
    50                  55                  60


Glu Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 139
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 139

```
Met Gly Ser Trp Asn Glu Phe Arg Leu Arg Leu Trp Ala Ile Thr Glu
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Cys Leu Arg Ala Glu Ala Ala Trp Ile Arg
    50                  55                  60


Thr Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 140
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 140

Met Gly Ser Trp Tyr Glu Phe Trp Leu Arg Leu Ser Ala Ile Ser Tyr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Lys Glu Ala Ala Glu Ile Arg
    50   55   60

Ser Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 141
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 141

Met Gly Ser Trp Tyr Glu Phe Gln Leu Arg Leu Trp Ala Ile His Trp
1   5   10   15

Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Met Arg Ala Ala Glu Ile Arg
    50   55   60

Asn Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 142
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 142

Met Gly Ser Trp Tyr Glu Phe Ala His Arg Leu Glu Ala Ile Glu Trp
1   5   10   15

Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Gln Tyr Ala Ala Ala Ile Arg
    50   55   60

Asn Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 143
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 143

Met Gly Ser Trp Tyr Glu Phe Asp Thr Arg Leu Gly Ala Ile Arg Asn
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Phe Gln Ala Ala Tyr Ile Arg
    50   55   60

Phe Leu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 144
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 144

Met Gly Ser Trp Tyr Glu Phe Trp Val Arg Leu Thr Ala Ile Arg Trp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Gln Ala Ala Ser Ile Arg
    50   55   60

Trp Val Leu Gln Ala Tyr Arg His Asn
65   70

<210> 145
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 145

Met Gly Ser Trp Phe Glu Phe Asp Arg Arg Leu Lys Ala Ile Asp Arg
1   5   10   15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Met Gln Ala Ala Ile Ile Arg
    50   55   60

Asn Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 146
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 146

Met Gly Ser Trp Val Glu Phe Trp Glu Arg Leu Asp Ala Ile Asp Asn
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Trp His Ala Ala Tyr Ile Arg
    50   55   60

Gly Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 147
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 147

Met Gly Ser Trp Ala Glu Phe Trp Asp Arg Leu Asp Ala Ile Asp Ser
1 5 10 15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Glu Trp Ala Ala Tyr Ile Arg
50 55 60

Gly Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 148
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 148

Met Gly Ser Trp Ala Glu Phe Asp Leu Arg Leu Arg Ala Ile Ala Lys
1 5 10 15

Arg Leu Val Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Met Leu Arg Leu Asp Ala Ala Tyr Ile Arg
    50                  55                  60

Gly Val Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 149
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 149

```
Met Gly Ser Trp Ser Glu Phe Trp Asp Arg Leu Tyr Ala Ile Arg Ile
1               5                   10                  15

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

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

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

Asn Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 150
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 150

Met Gly Ser Trp Ser Glu Phe Trp Phe Arg Leu Gly Ala Ile Arg Asn
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Asp Val Ala Ala His Ile Arg
50 55 60

His Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 151
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 151

Met Gly Ser Trp Ser Glu Phe Asn Asp Arg Leu Asp Ala Ile Arg Trp
1 5 10 15

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

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

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

Tyr Arg Leu Gln Ala Tyr Arg His Asn

65 70

<210> 152
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 152

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Ala Ala Ile Arg
50 55 60

His Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 153
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 153

Met Gly Ser Trp Ala Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Ala Ala Ile Arg
    50   55   60

His Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 154
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 154

Met Gly Ser Trp Thr Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Ala Ala Ile Arg
    50   55   60

His Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 155
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 155

```
Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Lys Leu Lys Tyr Thr Ala Ala Ala Ile Arg
    50                  55                  60


His Tyr Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  156
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  156

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Lys Leu Gln Tyr Thr Ala Ala Ala Ile Arg
    50                  55                  60


His Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 157
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 157

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Ala Ala Ile Lys
    50   55   60

His Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 158
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 158

Met Gly Ser Trp Ala Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Gln Tyr Thr Ala Ala Ala Ile Lys
    50   55   60

His Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 159
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 159

Met Gly Ser Trp Thr Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Gln Tyr Thr Ala Ala Ala Ile Lys
    50   55   60

His Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 160
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 160

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1   5   10   15

```
Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Val Ala Ala Val Ile Arg
    50                  55                  60


His Arg Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  161
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  161

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Glu
1               5                   10                  15


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


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


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


Ile Ala Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  162
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 162

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Gly Ala Ile Arg Asp
1   5   10   15

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

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

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

Thr Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 163
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 163

Met Gly Ser Trp Ser Glu Phe Trp Val Arg Leu Gly Ala Ile Arg Asp
1   5   10   15

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

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

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

His Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 164
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 164

Met Gly Ser Trp Ser Glu Phe Trp Val Arg Leu Gly Ala Ile Arg Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Ala Thr Ile Arg
50 55 60

Arg Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 165
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 165

Met Gly Ser Trp Ser Glu Phe Trp Ala Arg Leu Gly Ala Ile Arg Glu
1 5 10 15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Ala Thr Ile Arg
    50                  55                  60

Arg Phe Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 166
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 166

```
Met Gly Ser Trp Ser Glu Phe Trp Val Arg Leu Gly Ala Ile Arg Glu
1               5                   10                  15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Gly Thr Ile Arg
    50                  55                  60

Arg Phe Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 167
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 167

Met Gly Ser Trp Ser Glu Phe Trp Val Arg Leu Gly Ala Ile Arg Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Ala Thr Ile Lys
50 55 60

Arg Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 168
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 168

Met Gly Ser Trp Ser Glu Phe Trp Ala Arg Leu Gly Ala Ile Arg Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Gly Thr Ile Lys
50 55 60

Arg Phe Leu Gln Ala Tyr Arg His Asn

65 70

<210> 169
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 169

Met Gly Ser Trp Ser Glu Phe Trp Asp Arg Leu Thr Ala Ile Arg Val
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala Ala His Ile Arg
50 55 60

Lys Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 170
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 170

Met Gly Ser Trp Thr Glu Phe Trp Thr Arg Leu Asn Ala Ile Tyr Glu
1 5 10 15

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

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

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

Met Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 171
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 171

Met Gly Ser Trp Phe Glu Phe Trp Asp Arg Leu Ala Ala Ile Arg Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Asp Leu Arg Tyr Val Ala Ala Lys Ile Arg
    50   55   60

Val Arg Leu Gln Ala Tyr Arg His Asn
65   70

<210> 172
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 172

```
Met Gly Ser Trp Thr Glu Phe Trp Val Arg Leu Asn Ala Ile Arg Asp
1               5                  10                  15


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


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


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


Asn Tyr Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  173
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  173

Met Gly Ser Trp Val Glu Phe Trp His Arg Leu Gly Ala Ile Tyr Asp
1               5                  10                  15


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


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


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


Gln Thr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 174
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 174

Met Gly Ser Trp Val Glu Phe Trp Asn Arg Leu Gly Ala Ile Tyr Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg His Thr Ala Ala Val Ile Arg
    50   55   60

Leu Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 175
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 175

Met Gly Ser Trp Ser Glu Phe Trp Glu Arg Leu Glu Ala Ile Tyr Asp
1   5   10   15

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

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

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

Ser Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 176
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 176

Met Gly Ser Trp Glu Glu Phe Asp Asn Arg Leu Glu Ala Ile Phe Asp
1   5   10   15

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

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

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

Ile Thr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 177
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 177

Met Gly Ser Trp Met Glu Phe Trp Asp Arg Leu Tyr Ala Ile Glu Phe
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Arg Val Ala Ala Thr Ile Arg
    50   55   60

Asn Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 178
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 178

Met Gly Ser Trp Thr Glu Phe Trp Glu Arg Leu Tyr Ala Ile Glu Tyr
1   5   10   15

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

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

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

Tyr Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 179
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 179

Met Gly Ser Trp Asn Glu Phe Trp Glu Arg Leu Tyr Ala Ile Glu Leu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Met Thr Ala Ala Tyr Ile Arg
    50   55   60

Asn Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 180
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 180

Met Gly Ser Trp Tyr Glu Phe Trp Lys Arg Leu Tyr Ala Ile Glu Tyr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Val Ala Ala Lys Ile Arg
    50   55   60

Glu Gln Leu Gln Ala Tyr Arg His Asn
65 70

<210> 181
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 181

Met Gly Ser Trp Thr Glu Phe Trp Ala Arg Leu Tyr Ala Ile Glu Met
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Arg Val Ala Ala Leu Ile Arg
50 55 60

Glu Gln Leu Gln Ala Tyr Arg His Asn
65 70

<210> 182
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 182

Met Gly Ser Trp His Glu Phe Trp Asp Arg Leu Tyr Ala Ile Glu Phe
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

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

Trp His Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 183
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 183

```
Met Gly Ser Trp Asp Glu Phe Glu Phe Arg Leu Gly Ala Leu Arg Trp
1               5                   10                  15

Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Phe Gly Ala Ala His Ile Arg
    50                  55                  60

His Ile Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 184
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 184

Met Gly Ser Trp Thr Glu Phe Tyr His Arg Leu Tyr Ala Ile Arg Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Phe Gly Ala Ala His Ile Arg
50 55 60

His Leu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 185
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 185

Met Gly Ser Trp Val Glu Phe Glu Thr Arg Leu Asp Ala Ile Arg Met
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Phe Gly Ala Ala His Ile Arg
50 55 60

Ala Leu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 186
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 186

Met Gly Ser Trp Gly Glu Phe Asp Val Arg Leu Phe Ala Ile Arg Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Gly Tyr Ala Ala Gln Ile Arg
50 55 60

Ser Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 187
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 187

Met Gly Ser Trp Val Glu Phe Asp Glu Arg Leu Ser Ala Ile Arg Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Leu Tyr Ala Ala Gln Ile Arg
50 55 60

Val Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 188
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 188

Met Gly Ser Trp Ser Glu Phe Asp Gly Arg Leu Gly Ala Ile Trp Asp
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Asp Arg Ala Ala Gln Ile Arg
50 55 60

Glu Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 189
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 189

```
Met Gly Ser Trp Gly Glu Phe Glu Gly Arg Leu His Ala Ile Arg Ser
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Val Leu Arg Gly Tyr Ala Ala Trp Ile Arg
    50                  55                  60


Ala Leu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 190
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 190

```
Met Gly Ser Trp Gly Glu Phe Asn Gly Arg Leu Gly Ala Ile Arg Glu
1               5                   10                  15


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


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


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


Ala Val Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 191
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 191

Met Gly Ser Trp Trp Glu Phe Thr Phe Arg Leu Ala Ala Ile Glu Phe
1   5   10   15

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

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

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

Lys Ser Leu Gln Ala Tyr Arg His Asn
65   70

<210> 192
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 192

Met Gly Ser Trp Asp Glu Phe Gln Phe Arg Leu Ala Ala Ile Gly Phe
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Val Leu Arg Arg Gln Ala Ala Arg Ile Arg
    50   55   60

His Leu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 193
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 193

Met Gly Ser Trp Tyr Glu Phe Val Thr Arg Leu His Ala Ile Asp His
1   5   10   15

Arg Leu Lys Ala Leu Gly Gly Ser Glu Ala Asp Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Phe Tyr Ala Ala Gly Ile Arg
    50   55   60

Met Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 194
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 194

Met Gly Ser Trp Ser Ile Glu Phe Trp Arg Leu Glu Ala Ile Lys Phe
1   5   10   15

Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

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

Arg Val Leu Gln Ala Tyr Arg His Asn
65   70

<210> 195
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 195

Met Gly Ser Trp Gly Glu Phe Glu His Arg Leu Asp Pro Ser Thr Cys
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Arg Gly Ala Ala Val Ile Arg
    50   55   60

His Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 196
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 196

Met Gly Ser Trp Ile Glu Phe Ala Met Arg Leu Glu Ala Ile Glu Asn
1   5   10   15

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

Ser Met Ile Ala His Phe Glu Glu Leu Leu Gln Asn Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ile His Glu Ala Phe Ala Ile His
    50   55   60

Lys Glu Leu Trp Ala Tyr Arg His Asn
65   70

<210> 197
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 197

Met Gly Ser Trp Asn Glu Phe Tyr Gln Arg Leu Glu Ala Ile Glu Asn
1   5   10   15

Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Val Arg Ile Ala Leu Phe Glu Asp Met Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Lys Gln Glu Ala Ile Ala Ile Leu
    50   55   60

Arg Glu Leu Ile Ala Tyr Arg His Asn
65 70

<210> 198
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 198

Met Gly Ser Trp Asn Glu Phe Tyr Asp Arg Leu Arg Ala Ile Lys Lys
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Ala Leu His Arg Glu Ala His Ala Ile Thr
50 55 60

His Glu Leu Trp Ala Tyr Arg His Asn
65 70

<210> 199
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 199

Met Gly Ser Trp Gly Glu Phe Lys His Arg Leu Ala Leu Ile Lys Trp
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu

```
            20                  25                  30

Asp Trp Ile Ala Val Phe Glu Val Gln Leu Gln Asn Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 200
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 200

```
Met Gly Ser Trp Tyr Glu Phe Lys His Arg Leu Ala Ile Ile Lys Trp
1               5                   10                  15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Lys Phe Glu
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 201
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 201

Met Gly Ser Trp Tyr Glu Phe Lys His Arg Leu Ala Ile Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Gln Tyr Ile Ala Asp Phe Glu Gly Thr Leu Gln Lys Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 202
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 202

Met Gly Ser Trp Tyr Asn Phe Lys His Arg Leu Ala Ile Ile Lys Trp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 203
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 203

Met Gly Ser Trp Phe Gln Phe Lys His Arg Leu Ala Ile Ile Lys Trp
1 5 10 15

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

Gln Trp Ile Ala Asp Phe Glu His Gln Leu Gln His Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 204
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 204

Met Gly Ser Trp Tyr Asn Phe Lys His Arg Leu Ala Ile Ile Lys Trp
1 5 10 15

Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 205
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 205

Met Gly Ser Trp Asp Ala Phe Lys His Arg Leu Ala Leu Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 206
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 206

```
Met Gly Ser Trp Asp Gly Phe Lys His Arg Leu Ala Leu Ile Lys Trp
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20                  25                  30


Asn Trp Ile Ala Glu Phe Glu Gln Arg Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  207
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  207

Met Gly Ser Trp Asn Gly Phe Lys His Arg Leu Ala Ile Ile Lys Trp
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 208
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 208

Met Gly Ser Trp Asn Ser Phe Lys His Arg Leu Ala Leu Ile Lys Trp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 209
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 209

Met Gly Ser Trp Ser Asp Phe Lys Tyr Arg Leu Ala Val Ile Lys Phe
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 210
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 210

Met Gly Ser Trp Ser Gly Phe Lys Tyr Arg Leu Ala Val Ile Lys Phe
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

Leu Phe Ile Ala Lys Phe Glu Ile Asp Leu Gln Asn Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 211
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 211

Met Gly Ser Trp Tyr Gly Phe Lys Tyr Arg Leu Ala Val Ile Lys Trp
1   5   10   15

```
Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20                  25                  30


Lys Tyr Ile Ala His Phe Glu His Asp Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  212
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  212

Met Gly Ser Trp Tyr Gly Phe Lys Tyr Arg Leu Ala Val Ile Lys Trp
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20                  25                  30


Lys Tyr Ile Ala Gln Phe Glu His Asp Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  213
<211>  73
<212>  PRT
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<213> Artificial sequence

<220>
<223> synthetic construct

<400> 213

Met Gly Ser Trp Tyr Gly Phe Lys Tyr Arg Leu Ala Leu Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

Thr Tyr Ile Ala Asp Phe Glu Asp Leu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 214
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 214

Met Gly Ser Trp Ser Thr Phe Lys Tyr His Leu Ala Val Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

Asp Tyr Ile Ala Gln Phe Glu Thr Asp Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 215
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 215

Met Gly Ser Trp His Glu Phe Lys Tyr Arg Leu Ala Leu Ile Lys Trp
1 5 10 15

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

His His Ile Ala Gln Phe Glu Trp Asp Leu Gln Lys Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 216
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 216

Met Gly Ser Trp Asn Met Phe Lys Tyr Arg Leu Ala His Ile Lys Trp
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Thr Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 217
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 217

```
Met Gly Ser Trp His Gly Phe Lys Tyr Arg Leu Ala Ile Ile Lys Trp
1               5                   10                  15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30

Glu Trp Ile Ala Ser Phe Glu Arg Asp Leu Gln Ile Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 218
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 218

Met Gly Ser Trp His Gly Phe Lys Tyr Arg Leu Ala Val Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 219
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 219

Met Gly Ser Trp Gln Gly Phe Lys Tyr Arg Leu Ala Val Ile Lys Trp
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Asn Trp Ile Ala Glu Phe Glu Thr Lys Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 220
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 220

Met Gly Ser Trp Ser Gly Phe Lys Tyr Arg Leu Ala Val Ile Lys Trp
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 221
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 221

Met Gly Ser Trp Gly Tyr Phe Lys Tyr Arg Leu Ala Met Ile Lys Trp
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 222
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 222

Met Gly Ser Trp His Ala Phe Lys Tyr Lys Leu Ala Met Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 223
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 223

```
Met Gly Ser Trp Gln His Phe Lys Tyr Arg Leu Ala Ile Ile Lys Trp
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 224
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 224

```
Met Gly Ser Trp Asn Asp Phe Lys Tyr Arg Leu Ala Ile Ile Lys Tyr
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20                  25                  30


Ser Tyr Ile Ala Ser Phe Glu His Asp Leu Gln Asn Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 225
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 225

Met Gly Ser Trp Gly Ala Phe Lys Tyr Arg Leu Ala Ile Ile Lys Phe
1   5   10   15

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

Glu Phe Ile Ala Asn Phe Glu His Asp Leu Gln Asn Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 226
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 226

Met Gly Ser Trp Tyr Asn Phe Lys Tyr Arg Leu Ala Ile Ile Lys Phe
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20   25   30

Ile Trp Ile Ala Glu Phe Glu His Asp Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 227
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 227

Met Gly Ser Trp Glu Gln Phe Lys Tyr Arg Leu Ala Ile Ile Lys Tyr
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Ser Trp Ile Ala Asn Phe Glu Ser Asp Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 228
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 228

Met Gly Ser Trp Gln Gln Phe Lys Tyr Arg Leu Ala Ile Ile Lys Tyr
1   5   10   15

```
Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  229
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  229

Met Gly Ser Trp Ala Gly Phe Lys Tyr Arg Leu Ala Val Ile Lys Tyr
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20                  25                  30


Gln Trp Ile Ala His Phe Glu Gly Met Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  230
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 230

Met Gly Ser Trp Thr Ala Phe Lys Tyr Arg Leu Ala Ile Ile Lys Phe
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Ser Tyr Ile Ala His Phe Glu Asp Met Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 231
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 231

Met Gly Ser Trp Ala His Phe Lys Tyr Arg Leu Ala Ile Ile Lys Phe
1   5   10   15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 232
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 232

Met Gly Ser Trp Ala Asn Phe Lys Tyr Arg Leu Ala Leu Ile Lys Trp
1 5 10 15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 233
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 233

Met Gly Ser Trp Ala Thr Phe Lys Tyr Arg Leu Ala Leu Ile Lys Trp
1 5 10 15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 234
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 234

```
Met Gly Ser Trp Thr His Phe Lys Tyr Arg Leu Ala Leu Ile Lys Trp
1               5                   10                  15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20                  25                  30

Val His Ile Ala Asp Phe Glu Ala Gln Leu Gln Met Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 235
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 235

Met Gly Ser Trp Asn Thr Phe Lys Tyr His Leu Ala Val Ile Lys Phe
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 236
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 236

Met Gly Ser Trp Thr Gln Phe Lys Tyr His Leu Ala Val Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 237
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 237

Met Gly Ser Trp Asn Gln Phe Lys Tyr Arg Leu Ala Val Ile Lys Phe
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 238
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 238

Met Gly Ser Trp Asn Glu Phe Lys Tyr His Leu Ala Val Ile Lys Phe
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 239
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 239

Met Gly Ser Trp Val Gln Phe Lys Tyr His Leu Ala Val Ile Lys Phe
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 240
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 240

```
Met Gly Ser Trp Val Asp Phe Lys Tyr His Leu Ala Val Ile Lys Phe
1               5                   10                  15


Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20                  25                  30


Thr Trp Ile Ala Asn Phe Glu Gln Glu Leu Gln Met Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 241
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 241

```
Met Gly Ser Trp Val Asp Phe Lys Tyr His Leu Ala Val Ile Lys Trp
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30


Asn Trp Ile Ala His Phe Glu Ser Ile Leu Gln Gln Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 242
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 242

Met Gly Ser Trp Val Glu Phe Lys Tyr His Leu Ala Val Ile Lys Phe
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 243
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 243

Met Gly Ser Trp Ser His Phe Lys Tyr His Leu Ala Leu Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Lys Phe Glu
            20   25   30

Phe Trp Ile Ala Glu Phe Glu His Asn Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 244
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 244

Met Gly Ser Trp Tyr His Phe Lys Tyr His Leu Ala Leu Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

His Trp Ile Ala Glu Phe Glu Trp Thr Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 245
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 245

Met Gly Ser Trp Gln Gly Phe Lys Tyr His Leu Ala Leu Ile Lys Phe
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

His Trp Leu Ala Glu Phe Glu His Asp Leu Gln Thr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 246
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 246

Met Gly Ser Trp Leu Ser Phe Lys His His Leu Ala Leu Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 247
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 247

Met Gly Ser Trp Ser Glu Phe Lys Tyr Lys Leu Ala Leu Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Gly Trp Ile Ala Asn Phe Glu Thr Thr Leu Gln Lys Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 248
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 248

Met Gly Ser Trp Ile Glu Phe Lys Tyr Lys Leu Ala Ile Ile Lys Phe
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 249
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 249

Met Gly Ser Trp Gln Asn Phe Lys Tyr His Leu Ala Met Ile Lys Trp
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
20 25 30

Glu Phe Ile Ala Gln Phe Glu Ile Asn Leu Gln His Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 250
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 250

Met Gly Ser Trp Tyr Asn Phe Lys Tyr His Leu Ala Ile Ile Lys Trp
1 5 10 15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu

```
            20                  25                  30

His Tyr Ile Ala Asp Phe Glu Arg Asn Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 251
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 251

```
Met Gly Ser Trp Tyr Gln Phe Lys Tyr His Leu Ala Ile Ile Lys Trp
1               5                   10                  15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 252
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 252

Met Gly Ser Trp Ser His Phe Lys Tyr His Leu Ala Ile Ile Lys Phe
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20   25   30

Ile Trp Ile Ala Lys Phe Glu Asp Glu Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 253
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 253

Met Gly Ser Trp Val Gly Phe Lys Ala His Leu Ala Ile Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20   25   30

Ile Phe Ile Ala Asp Phe Glu Ala Leu Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 254
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 254

Met Gly Ser Trp Val Asn Phe Lys Tyr Lys Leu Ala Ile Ile Lys Tyr
1 5 10 15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
20 25 30

Asp Trp Ile Ala Glu Phe Glu Arg Thr Leu Gln Gln Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 255
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 255

Met Gly Ser Trp Ser Asn Phe Lys Tyr Arg Leu Ala Val Ile Lys Tyr
1 5 10 15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 256
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 256

Met Gly Ser Trp Thr Asn Phe Lys Tyr Lys Leu Ala Val Ile Lys Phe
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Asp Trp Ile Ala Gly Phe Glu Ile Asp Leu Gln Asn Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 257
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 257

```
Met Gly Ser Trp Thr Gly Phe Lys Tyr Arg Leu Ala Ile Ile Lys Phe
1               5                   10                  15


Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


Gln Trp Ile Ala Asp Phe Glu Asn Glu Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  258
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  258

Met Gly Ser Trp His Asn Phe Lys Tyr Arg Leu Ala Ile Ile Lys Phe
1               5                   10                  15


Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Asn Trp Ile Ala Asp Phe Glu Asp Ser Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 259
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 259

Met Gly Ser Trp Phe Ala Phe Lys His Arg Leu Ala Val Ile Lys Tyr
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

His Trp Ile Ala Gln Phe Glu His Asp Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 260
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 260

Met Gly Ser Trp Tyr Glu Phe Lys His Arg Leu Ala Val Ile Lys Tyr
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Asn Trp Ile Ala Gln Phe Glu His Glu Leu Gln Thr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 261
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 261

Met Gly Ser Trp Tyr Lys Phe Lys His Lys Leu Ala Val Ile Lys Tyr
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Glu Trp Ile Ala Glu Phe Glu Val Thr Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 262
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 262

Met Gly Ser Trp Phe Tyr Phe Lys Gln Lys Leu Ala Phe Ile Lys Trp
1   5   10   15

```
Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  263
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  263

Met Gly Ser Trp Phe Ser Phe Lys His His Leu Ala Val Ile Lys Trp
1               5                   10                  15


Asn Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  264
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 264

Met Gly Ser Trp Gly Asn Phe Lys Tyr Arg Leu Ala Ile Ile Lys Phe
1   5   10   15

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

Ala Trp Ile Ala Asn Phe Glu Ser Met Leu Gln Asn Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 265
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 265

Met Gly Ser Trp Ser Tyr Phe Lys Tyr Gly Leu Ala Ile Ile Lys Ile
1   5   10   15

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

Arg Trp Ile Ala Ala Phe Glu His Asp Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 266
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 266

Met Gly Ser Trp Ser Tyr Phe Lys Phe Gly Leu Ala His Ile Lys Leu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 267
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 267

Met Gly Ser Trp Ser Tyr Phe Lys Trp Gly Leu Ala His Ile Lys Leu
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu

```
            20                  25                  30

Phe Trp Ile Ala Glu Phe Glu Gly Leu Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 268
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 268

```
Met Gly Ser Trp Ile Tyr Phe Lys Tyr Gly Leu Ala His Ile Lys Thr
1               5                   10                  15

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

Gln Trp Ile Ala Glu Phe Glu Lys Met Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 269
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 269

Met Gly Ser Trp Gly Tyr Phe Lys Tyr Gly Leu Ala Thr Ile Lys His
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 270
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 270

Met Gly Ser Trp Glu Tyr Phe Lys Tyr Gly Leu Ala Thr Ile Lys Met
1   5   10   15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

His Trp Ile Ala His Phe Glu His Gln Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 271
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 271

Met Gly Ser Trp Ser Tyr Phe Lys Tyr Gly Leu Ala Thr Ile Lys Glu
1 5 10 15

Lys Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
20 25 30

Thr Trp Ile Ala Met Phe Glu Lys Gln Leu Gln Glu Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 272
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 272

Met Gly Ser Trp His Tyr Phe Lys Asn Gly Leu Ala Ile Ile Lys Glu
1 5 10 15

Lys Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
20 25 30

Ile Trp Ile Ala Met Phe Glu Met Glu Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 273
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 273

Met Gly Ser Trp Gln Tyr Phe Lys Tyr Gly Leu Ala Ile Ile Lys Ile
1   5   10   15

Lys Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Ala Trp Ile Ala Thr Phe Glu Lys Gln Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 274
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 274

```
Met Gly Ser Trp Val Tyr Phe Lys His Gly Leu Ala Val Ile Lys Met
1               5                   10                  15


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


Thr Trp Ile Ala Gln Phe Glu Met Thr Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  275
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  275

Met Gly Ser Trp Val Tyr Phe Lys Tyr Gly Leu Ala Val Ile Lys Glu
1               5                   10                  15


Lys Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 276
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 276

Met Gly Ser Trp Tyr Tyr Phe Lys Tyr Gly Leu Ala Val Ile Lys Gly
1   5   10   15

Lys Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Thr Trp Ile Ala Lys Phe Glu Asn His Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 277
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 277

Met Gly Ser Trp Thr Tyr Phe Lys Tyr Gly Leu Ala Leu Ile Lys Tyr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 278
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 278

Met Gly Ser Trp Asp Tyr Phe Lys Tyr Gly Leu Ala Leu Ile Lys Ile
1   5   10   15

Lys Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 279
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 279

Met Gly Ser Trp Thr Tyr Phe Lys Phe Gly Leu Ala His Ile Lys Asp
1   5   10   15

Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Gln Trp Ile Ala Met Phe Glu Gln Asp Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 280
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 280

Met Gly Ser Trp Gly Tyr Phe Lys His Gly Leu Ala His Ile Lys Ser
1   5   10   15

Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 281
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 281

Met Gly Ser Trp Gly Tyr Phe Lys Thr Gly Leu Ala Ile Ile Lys Ala
1   5   10   15

Gln Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 282
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 282

Met Gly Ser Trp Ala Tyr Phe Lys Tyr Gly Leu Ala Val Ile Lys Leu
1   5   10   15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 283
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 283

Met Gly Ser Trp Leu Asp Phe Lys Glu Gly Leu Ala Asp Ile Lys Arg
1 5 10 15

Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 284
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 284

Met Gly Ser Trp Glu Val Phe Lys His Glu Leu Ala Val Ile Lys Asp
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu

```
            20                  25                  30

Trp Gly Ile Ala Trp Phe Glu Gly Phe Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 285
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 285

```
Met Gly Ser Trp Ile Val Phe Lys Gln Ser Leu Ala Trp Ile Lys Glu
1               5                   10                  15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30

Phe Tyr Ile Ala Asn Phe Glu His Thr Leu Gln Asn Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 286
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 286

Met Gly Ser Trp Ile Tyr Phe Lys Asp Ser Leu Ala Tyr Ile Lys Lys
1   5   10   15

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

Tyr Tyr Ile Ala Asn Phe Glu His Glu Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 287
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 287

Met Gly Ser Trp Asp His Phe Lys Tyr Asn Leu Ala Trp Ile Lys Lys
1   5   10   15

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

Trp Tyr Ile Ala Asn Phe Glu Lys Arg Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 288
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 288

Met Gly Ser Trp Phe Thr Phe Lys Gln Asn Leu Ala Trp Ile Lys Leu
1 5 10 15

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

Tyr Tyr Ile Ala Asp Phe Glu Asn Lys Leu Gln Leu Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 289
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 289

Met Gly Ser Trp Arg Glu Phe Lys Tyr Gly Leu Ala His Ile Lys Arg
1 5 10 15

Val Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 290
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 290

Met Gly Ser Trp Ile Gln Phe Lys Tyr Gly Leu Ala His Ile Lys Arg
1   5   10   15

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

Trp Tyr Ile Ala Asp Phe Glu Gln Gln Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 291
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 291

```
Met Gly Ser Trp Val Glu Phe Lys His Asn Leu Ala Trp Ile Lys Val
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 292
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 292

```
Met Gly Ser Trp Ile Ser Phe Lys Asp Asn Leu Ala Met Ile Lys Glu
1               5                   10                  15


Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20                  25                  30


Trp Tyr Ile Ala Thr Phe Glu Val Glu Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 293
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 293

Met Gly Ser Trp His Ile Phe Lys Asp Asn Leu Ala Thr Ile Lys Ala
1   5   10   15

Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 294
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 294

Met Gly Ser Trp Thr Ser Phe Lys His Gly Leu Ala Gly Ile Lys Arg
1   5   10   15

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

Trp Tyr Ile Ala Gln Phe Glu Arg His Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 295
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 295

Met Gly Ser Trp Gln Ser Phe Lys His Ala Leu Ala Asp Ile Lys Ile
1   5   10   15

Asn Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 296
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 296

Met Gly Ser Trp His Thr Phe Lys Glu Ala Leu Ala Gln Ile Lys Gly
1   5   10   15

```
Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  297
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  297

Met Gly Ser Trp Thr Asp Phe Lys Thr Ser Leu Ala Asp Ile Lys Ala
1               5                   10                  15


Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Lys Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  298
<211>  73
<212>  PRT
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<213> Artificial sequence

<220>
<223> synthetic construct

<400> 298

Met Gly Ser Trp Thr Asn Phe Lys Glu Gly Leu Ala Glu Ile Lys Arg
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 299
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 299

Met Gly Ser Trp His Thr Phe Lys Asp Gly Leu Ala Glu Ile Lys Ser
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 300
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 300

Met Gly Ser Trp Gln Phe Phe Lys Glu His Leu Ala Ser Ile Lys Phe
1 5 10 15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
20 25 30

Asp Ala Ile Ala Asp Phe Glu Tyr His Leu Gln Asn Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 301
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 301

Met Gly Ser Trp Thr Tyr Phe Lys Glu His Leu Ala Ser Ile Lys Phe
1 5 10 15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 302
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 302

```
Met Gly Ser Trp Ile Ile Phe Lys Gly Tyr Leu Ala His Ile Lys His
1               5                   10                  15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 303
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 303

Met Gly Ser Trp Tyr Leu Phe Gln Ser His Leu Ala His Ile Lys His
1   5   10   15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Phe Thr Ile Ala Gly Phe Glu Gln Glu Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 304
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 304

Met Gly Ser Trp Tyr Ser Phe Lys Trp Thr Leu Ala Arg Ile Lys Leu
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 305
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 305

Met Gly Ser Trp Thr Thr Leu Lys Trp Arg Leu Ala His Ile Lys Gln
1 5 10 15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
20 25 30

Tyr Asp Ile Ala His Phe Glu Glu Leu Leu Gln Tyr Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 306
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 306

Met Gly Ser Trp Tyr Gly Phe Lys Trp Tyr Leu Ala Thr Ile Lys Lys
1 5 10 15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
20 25 30

Thr Glu Ile Ala Thr Phe Glu Leu Trp Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 307
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 307

Met Gly Ser Trp Ile Glu Phe Asn Met Arg Val Leu Ala Ile Glu Asp
1   5   10   15

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

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

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

Trp Ser Ser Ala Ala Tyr Arg His Asn
65   70

<210> 308
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 308

```
Met Gly Ser Trp Ile Glu Phe His Glu Arg Leu Trp Ala Ile Glu Asp
1               5                   10                  15


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


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


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


His Gly Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  309
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  309

Met Gly Ser Trp Phe Glu Phe Tyr Glu Arg Leu Trp Ala Ile Asp Asp
1               5                   10                  15


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


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


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


Ser Ser Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 310
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 310

Met Gly Ser Trp Phe Glu Phe Trp Asp Arg Leu Glu Ala Ile Asp Asp
1   5   10   15

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

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

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

Lys Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 311
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 311

Met Gly Ser Trp His Glu Phe Trp Ser Arg Leu Asp Ala Ile Asp Asp
1   5   10   15

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

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

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

Ala Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 312
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 312

Met Gly Ser Trp Tyr Glu Phe Trp Ile Arg Leu Glu Ala Ile Asp Asp
1   5   10   15

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

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

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

Thr Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 313
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 313

Met Gly Ser Trp His Glu Phe Trp Asp Arg Leu Glu Ala Ile Asp Asp
1   5   10   15

```
Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Phe Leu Arg Glu Glu Ala Ala Tyr Ile Arg
    50                  55                  60


Glu Leu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  314
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  314

Met Gly Ser Trp Glu Glu Phe Trp Asp Arg Leu Phe Ala Ile Asp Asp
1               5                   10                  15


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


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


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


Met Ala Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  315
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 315

Met Gly Ser Trp Trp Glu Phe Asp Asp Arg Leu Phe Ala Ile Asp Thr
1   5   10   15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

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

Met Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 316
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 316

Met Gly Ser Trp Thr Glu Phe His Asp Arg Leu Glu Ala Ile Asp Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Glu Glu Ala Ala Gln Ile Arg
    50   55   60

Trp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 317
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 317

Met Gly Ser Trp Ala Glu Phe Glu Asp Arg Leu Trp Ala Ile Glu Asp
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Glu Glu Ala Ala Ala Ile Arg
50 55 60

Phe Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 318
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 318

Met Gly Ser Trp Val Glu Phe Trp Phe Arg Leu Glu Ala Ile Asp Ser
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Glu Ala Ala Ala Ile Arg
    50                  55                  60

Glu Asp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 319
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 319

```
Met Gly Ser Trp Val Glu Phe Trp Gln Arg Leu Glu Ala Ile Glu Ser
1               5                   10                  15

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

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

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

Trp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 320
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 320

Met Gly Ser Trp Ser Glu Phe Trp Gln Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Asn Ala Ala Met Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 321
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 321

Met Gly Ser Trp Ser Glu Phe Ile Thr Arg Leu Glu Ala Ile Asp Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ile Leu Arg Glu Glu Ala Ala Glu Ile Arg
    50   55   60

Gln His Leu Gln Ala Tyr Arg His Asn

65 70

<210> 322
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 322

Met Gly Ser Trp Tyr Glu Phe Glu Thr Arg Leu Glu Ala Ile Tyr Asp
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Leu Leu Arg Val Glu Ala Ala Glu Ile Arg
50 55 60

Glu Asp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 323
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 323

Met Gly Ser Trp Thr Glu Phe Tyr Tyr Arg Leu Glu Ala Ile Glu Asp
1 5 10 15

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

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

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

Asp Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 324
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 324

Met Gly Ser Trp Tyr Glu Phe Val Ile Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Val Leu Arg Trp Tyr Ala Ala Asp Ile Arg
    50   55   60

His Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 325
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 325

```
Met Gly Ser Trp Thr Glu Phe Ser Ile Arg Leu Glu Ala Ile Tyr Asp
1               5                  10                  15


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


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


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


His Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 326
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 326

```
Met Gly Ser Trp Thr Glu Phe Ser Ile Arg Leu Glu Ala Ile Tyr Asp
1               5                  10                  15


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


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


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


His Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 327
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 327

Met Gly Ser Trp Thr Glu Phe Val Trp Arg Leu Glu Ala Ile Trp Asp
1   5   10   15

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

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

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

His Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 328
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 328

Met Gly Ser Trp Val Glu Phe His Glu Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Glu Asp Ala Ala Phe Ile Arg
    50   55   60

Gln Leu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 329
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 329

Met Gly Ser Trp Val Glu Phe His Asp Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Asp Ala Ala Tyr Ile Arg
    50   55   60

Ser Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 330
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 330

Met Gly Ser Trp Ile Glu Phe Tyr Asp Arg Leu Glu Ala Ile Tyr Asp
1   5   10   15

```
Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Asp Ala Ala Phe Ile Arg
    50                  55                  60


Ser Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  331
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  331

Met Gly Ser Trp Val Glu Phe Asp Gln Arg Leu Glu Ala Ile Tyr Asp
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Asp Ala Ala Gln Ile Arg
    50                  55                  60


Lys Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  332
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 332

Met Gly Ser Trp Val Glu Phe His Asp Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

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

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

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

Trp Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 333
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 333

Met Gly Ser Trp Glu Glu Phe Ala Gln Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Val Leu Arg Tyr Val Ala Ala Gln Ile Arg
    50   55   60

Tyr His Leu Gln Ala Tyr Arg His Asn
65 70

<210> 334
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 334

Met Gly Ser Trp Asp Glu Phe Ala Trp Arg Leu Asp Val Ile Phe Ala
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Lys Asn Ala Ala Gln Ile Arg
50 55 60

Asp Gly Leu Gln Ala Tyr Arg His Asn
65 70

<210> 335
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 335

Met Gly Ser Trp Asp Glu Phe Tyr Tyr Arg Leu Glu Ala Ile Glu Met
1 5 10 15

Arg Leu Gly Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg His Tyr Ala Ala Gln Ile Arg
    50                  55                  60

His Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 336
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 336

```
Met Gly Ser Trp Glu Glu Phe Tyr Asp Arg Leu Glu Ala Ile Tyr Asn
1               5                   10                  15

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

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

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

Glu Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 337
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 337

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 338
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 338

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Thr Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn

65 70

<210> 339
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 339

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Thr
1 5 10 15

Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
50 55 60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65 70

<210> 340
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 340

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1 5 10 15

Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 341
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 341

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Lys Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 342
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 342

```
Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1               5                   10                  15


Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Lys Leu Arg Lys Ile Ala Ala Val Ile Arg
    50                  55                  60


Glu Asn Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  343
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  343

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1               5                   10                  15


Gln Leu Tyr Ala Leu Gly Gly Gly Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50                  55                  60


Glu Asn Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 344
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 344

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Thr Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 345
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 345

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Gly Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Ser Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 346
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 346

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Thr Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Ser Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 347
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 347

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Ser Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 348
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 348

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Ala Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 349
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 349

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 350
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 350

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Glu Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65 70

<210> 351
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 351

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1 5 10 15

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

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

Gly Ser Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
50 55 60

Ser Asn Leu Gln Ala Tyr Arg His Asn
65 70

<210> 352
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 352

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1 5 10 15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50                  55                  60

Ser Asn Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 353
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 353

```
Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1               5                   10                  15

Arg Leu Tyr Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50                  55                  60

Ser Asn Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 354
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 354

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

Gln Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Ser Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 355
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 355

Met Gly Ser Trp Asp Glu Phe Ser Arg Arg Leu Tyr Ala Ile Glu Trp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Ser Asn Leu Gln Ala Tyr Arg His Asn

65 70

<210> 356
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 356

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
50 55 60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65 70

<210> 357
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 357

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Ala Ala Ile Lys Thr
1 5 10 15

Gln Leu Ala Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 358
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 358

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Ala Ala Ile Lys Thr
1   5   10   15

Gln Leu Ala Ala Leu Gly Gly Thr Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val Ile Arg
    50   55   60

Glu Asn Leu Gln Ala Tyr Arg His Asn
65   70

<210> 359
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 359

```
Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Ala Ala Ile Lys Thr
1               5                   10                  15


Gln Leu Ala Ala Leu Gly Gly Glu Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Val Ile Arg
    50                  55                  60


Glu Asn Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  360
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  360

Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Ala Ala Ile Lys Thr
1               5                   10                  15


Gln Leu Ala Ala Leu Gly Gly Thr Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Val Ile Arg
    50                  55                  60


Glu Asn Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 361
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 361

Met Gly Ser Trp Asp Glu Phe Glu Gln Arg Leu Ile Ala Ile Glu Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Glu Ala Ala Val Ile Arg
    50   55   60

Lys Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 362
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 362

Met Gly Ser Trp Val Glu Phe Asp Gln Arg Leu Gly Ala Ile Trp Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu His Leu Arg Gln Gly Ala Ala Val Ile Arg
    50   55   60

Asp Asp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 363
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 363

Met Gly Ser Trp Val Glu Phe Asp Met Arg Leu Ser Ala Ile Trp Glu
1   5   10   15

Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

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

Glu Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 364
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 364

Met Gly Ser Trp Val Glu Phe Asp Gln Arg Leu Asp Ala Ile Tyr Glu
1   5   10   15

```
Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


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


Glu His Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  365
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  365

Met Gly Ser Trp His Glu Phe Asp Gln Arg Leu Trp Ala Ile Glu Glu
1               5                   10                  15


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


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


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


His Asp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  366
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 366

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Asp Ala Ile Glu Gly
1   5   10   15

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

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

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

Ala Asp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 367
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 367

Met Gly Ser Trp Val Glu Phe Tyr Ser Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

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

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

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

Glu Asp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 368
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 368

Met Gly Ser Trp Tyr Glu Phe Tyr Glu Arg Leu Asp Ala Ile Glu Glu
1 5 10 15

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

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

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

Glu Asp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 369
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 369

Met Gly Ser Trp Phe Glu Phe Asp Asp Arg Leu Trp Ala Ile Glu Asn
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

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

Glu Ile Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 370
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 370

```
Met Gly Ser Trp Tyr Glu Phe Trp Asp Arg Leu Asp Ala Leu Glu Asp
1               5                   10                  15

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

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

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

Glu Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 371
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 371

Met Gly Ser Trp Met Glu Phe Val Asp Arg Leu Asp Ala Ile Glu Ser
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Ile Glu Ala Ala Phe Ile Arg
    50   55   60

Glu Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 372
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 372

Met Gly Ser Trp Asp Glu Phe Val Asp Arg Leu Trp Ala Ile Glu Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Ile Gln Ala Ala Ile Ile Arg
    50   55   60

Glu Ala Leu Gln Ala Tyr Arg His Asn

65 70

<210> 373
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 373

Met Gly Ser Trp Phe Glu Phe Asn Tyr Arg Leu Gly Ala Ile Glu Asp
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Met Leu Arg Gln Ile Ala Ala Glu Ile Arg
50 55 60

Glu Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 374
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 374

Met Gly Ser Trp Glu Glu Phe Phe Thr Arg Leu Asp Ala Ile Asn Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Met Leu Arg Tyr Glu Ala Ala Glu Ile Arg
    50   55   60

His Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 375
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 375

Met Gly Ser Trp Tyr Glu Phe Ser Asn Arg Leu Asp Ala Ile Gly Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ile Leu Arg His Gln Ala Ala Glu Ile Arg
    50   55   60

Trp Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 376
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 376

```
Met Gly Ser Trp Tyr Glu Phe Trp Gly Arg Leu Asp Ala Ile Glu Glu
1               5                  10                  15


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


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


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


Gly Gln Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  377
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  377

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Trp Ala Ile Asp Tyr
1               5                  10                  15


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


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


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


Glu Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 378
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 378

Met Gly Ser Trp Val Glu Phe Val Asp Arg Leu Trp Ala Ile Asp Glu
1   5   10   15

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

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

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

Glu Asp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 379
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 379

Met Gly Ser Trp Phe Glu Phe Trp Asp Arg Leu Glu Ala Ile Trp Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Arg Glu Ala Ala Ile Ile Arg
    50   55   60

Glu Asp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 380
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 380

Met Gly Ser Trp Phe Glu Phe Glu Asp Arg Leu Glu Ala Ile Tyr Gln
1   5   10   15

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

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

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

Ser Asp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 381
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 381

Met Gly Ser Trp Phe Glu Phe His Asp Arg Leu Trp Ala Ile Asp Glu
1   5   10   15

```
Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


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


Leu Asp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  382
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  382

Met Gly Ser Trp Tyr Glu Phe Glu Asp Arg Leu Trp Ala Ile Asp Asn
1               5                   10                  15


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


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


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


Asp Asp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  383
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 383

Met Gly Ser Trp Phe Glu Phe Gln Asp Arg Leu Trp Ala Ile Asp Asn
1   5   10   15

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

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

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

Trp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 384
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 384

Met Gly Ser Trp Asp Glu Phe Glu Glu Arg Leu Phe Ala Ile Asp Glu
1   5   10   15

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

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

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

Glu Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 385
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 385

Met Gly Ser Trp Glu Glu Phe Trp Glu Arg Leu Asp Ala Ile Asp Thr
1 5 10 15

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

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

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

Glu Pro Leu Gln Ala Tyr Arg His Asn
65 70

<210> 386
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 386

Met Gly Ser Trp Met Glu Phe Trp Glu Arg Leu Glu Ala Ile Asp Met
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

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

Asp Asp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 387
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 387

```
Met Gly Ser Trp Leu Glu Phe Met Trp Arg Leu Asp Ala Ile Asp Glu
1               5                   10                  15

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

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

Gly Asn Pro Glu Val Glu Leu Leu Arg Glu Met Ala Ala Ala Ile Arg
    50                  55                  60

Asp Asp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 388
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 388

Met Gly Ser Trp Thr Glu Phe Tyr Asn Arg Leu Asp Ala Ile Asp Gln
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Met Leu Arg Glu Tyr Ala Ala Asp Ile Arg
    50   55   60

Thr Asp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 389
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 389

Met Gly Ser Trp Trp Glu Phe Ile Trp Arg Leu Glu Ala Ile Glu Gln
1   5   10   15

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

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

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

Thr Asp Leu Gln Ala Tyr Arg His Asn

65 70

<210> 390
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 390

Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Trp Ala Ile Glu Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Tyr Leu Arg Tyr Tyr Ala Ala Glu Ile Arg
50 55 60

Glu Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 391
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 391

Met Gly Ser Trp Ser Glu Phe Glu Asp Arg Leu Trp Ala Ile Asp Gln
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Ala Tyr Ala Ala Asp Ile Arg
    50   55   60

Trp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 392
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 392

Met Gly Ser Trp Thr Glu Phe Trp Glu Arg Leu Asn Ala Ile Asp Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Leu Tyr Ala Ala Glu Ile Arg
    50   55   60

Ser Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 393
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 393

```
Met Gly Ser Trp Trp Glu Phe Glu Glu Arg Leu Trp Ala Ile Asp Tyr
1               5                  10                  15

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

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

Gly Asn Pro Glu Val Glu Met Leu Arg Ser Trp Ala Ala Glu Ile Arg
    50                  55                  60

Ala Leu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 394
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 394

```
Met Gly Ser Trp Trp Glu Phe Glu Asn Arg Leu Trp Ala Ile Glu Glu
1               5                  10                  15

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

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

Gly Asn Pro Glu Val Glu Met Leu Arg Asn Tyr Ala Ala Glu Ile Arg
    50                  55                  60

Trp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 395
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 395

Met Gly Ser Trp Val Glu Phe Glu Glu Arg Leu Trp Ala Ile Asp Glu
1   5   10   15

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

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

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

Trp Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 396
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 396

Met Gly Ser Trp Val Glu Phe Glu Glu Arg Leu Glu Ala Ile Glu Glu
1   5   10   15

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

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

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

His Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 397
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 397

Met Gly Ser Trp Met Glu Phe Glu Glu Arg Leu Trp Ala Ile Asp Ser
1   5   10   15

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

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

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

Met Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 398
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 398

Met Gly Ser Trp Ser Glu Phe Glu His Arg Leu Glu Ala Ile Glu Ser
1   5   10   15

```
Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


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


Glu Gln Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  399
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  399

Met Gly Ser Trp Phe Glu Phe Trp Glu Arg Leu Asp Ala Ile Glu Trp
1               5                   10                  15


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


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


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


Arg Tyr Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  400
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 400

Met Gly Ser Trp Phe Glu Phe Trp Gly Arg Leu Glu Ala Ile Glu Ser
1   5   10   15

Arg Leu Lys Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Glu Leu Arg Glu His Ala Ala Trp Ile Arg
    50   55   60

Ala Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 401
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 401

Met Gly Ser Trp Gln Glu Phe Thr Met Arg Leu Asp Ala Ile Tyr Asn
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Gln Ser Ala Ala Asn Ile Arg
    50   55   60

Ser Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 402
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 402

Met Gly Ser Trp Ser Glu Phe Asn Met Arg Leu Asp Ala Ile Tyr Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg His Ser Ala Ala Arg Ile Arg
50 55 60

Leu Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 403
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 403

Met Gly Ser Trp Ser Glu Phe Asn Met Arg Leu Asp Ala Ile Tyr Glu
1 5 10 15

Arg Leu Thr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Trp Leu Arg His Ser Ala Ala Leu Ile Arg
    50                  55                  60

Leu Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 404
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 404

```
Met Gly Ser Trp Ile Glu Phe Asn Met Arg Leu Asp Ala Ile Tyr Glu
1               5                   10                  15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Lys Val Ala Ala Asn Ile Arg
    50                  55                  60

Leu Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 405
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 405

Met Gly Ser Trp Tyr Glu Phe His His Arg Leu Asp Ala Ile Tyr Glu
1   5   10   15

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

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

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

Lys Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 406
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 406

Met Gly Ser Trp Tyr Glu Phe Ala Lys Arg Leu Asp Ala Ile Tyr Glu
1   5   10   15

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

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

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

Glu Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 407
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 407

Met Gly Ser Trp Thr Glu Phe Tyr Val Arg Leu Asp Ala Ile Tyr Glu
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Met Val Ala Ala Asn Ile Arg
50 55 60

Thr Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 408
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 408

Met Gly Ser Trp Val Glu Phe Tyr Thr Arg Leu Asp Ala Ile Tyr Gly
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Gln Val Ala Ala Asn Ile Arg
    50   55   60

Met Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 409
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 409

Met Gly Ser Trp Val Glu Phe His Met Arg Leu Asp Ala Ile Tyr Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Thr Ala Ala Ala Asn Ile Arg
    50   55   60

Val Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 410
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 410

```
Met Gly Ser Trp Tyr Glu Phe Ala Ile Arg Leu Asp Ala Ile Tyr Glu
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Tyr Leu Arg Val Trp Ala Ala Asn Ile Arg
    50                  55                  60


Thr Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  411
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  411

Met Gly Ser Trp Asn Glu Phe Val Ile Arg Leu Asp Ala Ile Tyr Glu
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Tyr Leu Arg Met Ala Ala Ala Asn Ile Arg
    50                  55                  60


Met Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 412
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 412

Met Gly Ser Trp Ser Glu Phe Tyr Val Arg Val Asp Ala Ile Tyr Ala
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Val Trp Ala Ala Asn Ile Arg
    50   55   60

His Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 413
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 413

Met Gly Ser Trp Ser Glu Phe His Val Arg Leu Asp Ala Ile Tyr Ala
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Arg Leu Arg Glu Trp Ala Ala Asn Ile Arg
    50   55   60

Arg Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 414
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 414

Met Gly Ser Trp Val Glu Phe His Leu Arg Leu Asp Ala Ile Tyr Gly
1   5   10   15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Asn Leu Arg Val Trp Ala Ala Asn Ile Arg
    50   55   60

Asn Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 415
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 415

Met Gly Ser Trp Val Glu Phe Glu Met Arg Leu Asp Ala Ile Val Gly
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Arg Trp Ala Ala Asn Ile Arg
    50   55   60

Ser Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 416
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 416

Met Gly Ser Trp Val Glu Phe Asn Ile Arg Leu Asp Ala Ile Tyr Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Lys Leu Arg His Trp Ala Ala Ser Ile Arg
    50   55   60

Arg Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 417
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 417

Met Gly Ser Trp His Glu Phe Gly Val Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Phe Leu Arg Gln Ala Ala Ala Asn Ile Arg
    50   55   60

Ser Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 418
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 418

Met Gly Ser Trp Thr Glu Phe Asn Leu Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

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

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

Val Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 419
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 419

Met Gly Ser Trp Thr Glu Phe Asn Leu Arg Leu Asp Ala Ile Tyr Gly
1 5 10 15

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

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

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

Val Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 420
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 420

Met Gly Ser Trp Val Glu Phe Asn Trp Arg Leu Asp Ala Ile Tyr Asp
1 5 10 15

Arg Leu Val Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Val Ser Ala Ala Lys Ile Arg
    50                  55                  60

Gly Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 421
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 421

```
Met Gly Ser Trp Asn Glu Phe Ala Trp Arg Leu Asp Ala Ile Tyr Ser
1               5                   10                  15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Val Ala Ala Ala Asn Ile Arg
    50                  55                  60

Tyr Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 422
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 422

Met Gly Ser Trp Thr Glu Phe Ala Trp Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg His Val Ala Ala Asn Ile Arg
    50   55   60

Arg Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 423
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 423

Met Gly Ser Trp Val Glu Phe Ser Ile Arg Leu Asp Ala Ile Tyr Thr
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Met Leu Arg Lys Gly Ala Ala Asn Ile Arg
    50   55   60

Lys Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 424
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 424

Met Gly Ser Trp Val Glu Phe Tyr Ile Arg Leu Asp Ala Ile Tyr Val
1 5 10 15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Lys Leu Arg Ser Tyr Ala Ala Asn Ile Arg
50 55 60

Gln Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 425
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 425

Met Gly Ser Trp Tyr Glu Phe Ser Met Arg Leu Asp Ala Ile Tyr Asp
1 5 10 15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Gln Leu Arg Gly Tyr Ala Ala Asn Ile Arg
    50   55   60

Asn Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 426
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 426

Met Gly Ser Trp Val Glu Phe Ile Tyr Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Val Leu Arg Arg Tyr Ala Ala Asn Ile Arg
    50   55   60

Asn Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 427
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 427

```
Met Gly Ser Trp Ile Glu Phe Glu Val Arg Leu Asp Ala Ile Tyr Asn
1               5                  10                  15


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


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


Gly Asn Pro Glu Val Glu Arg Leu Arg Arg Tyr Ala Ala Asn Ile Arg
    50                  55                  60


His Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  428
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  428

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asp Ala Ile Tyr Met
1               5                  10                  15


Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Val Leu Arg Arg Tyr Ala Ala Asn Ile Arg
    50                  55                  60


Ala Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 429
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 429

Met Gly Ser Trp Phe Glu Phe Tyr Met Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

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

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

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

Lys Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 430
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 430

Met Gly Ser Trp Tyr Glu Phe Asp Tyr Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Arg Leu Arg Lys Trp Ala Ala Asn Ile Arg
    50   55   60

Glu Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 431
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 431

Met Gly Ser Trp Ser Glu Phe Tyr Leu Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Trp Leu Arg Lys Thr Ala Ala Asn Ile Arg
    50   55   60

Glu Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 432
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 432

Met Gly Ser Trp Phe Glu Phe Tyr Glu Arg Leu Asp Ala Ile Asn Trp
1   5   10   15

```
Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Gly Glu Ala Ala Ala Ile Arg
    50                  55                  60


Glu Asp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  433
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  433

Met Gly Ser Trp Asn Glu Phe Glu Asp Arg Leu Asp Ala Ile Trp Trp
1               5                   10                  15


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


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


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


Thr Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  434
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 434

Met Gly Ser Trp Phe Tyr Phe Lys Asp Asp Leu Ala Asp Ile Asn Tyr
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Asp Asp Ile Ala Gly Phe Glu Leu Thr Leu Leu Lys Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 435
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 435

Met Gly Ser Trp His Phe Phe Lys Asp Asp Leu Ala Trp Ile Lys Asn
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Asp Asp Ile Ala Met Phe Glu Thr Met Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 436
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 436

Met Gly Ser Trp His Trp Phe Lys Thr Asp Leu Ala Asp Ile Lys Glu
1 5 10 15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
20 25 30

Asp Asp Ile Ala Glu Phe Glu Glu Phe Leu Gln Met Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 437
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 437

Met Gly Ser Trp Trp Leu Phe Lys Asp Asp Leu Ala Glu Ile Lys Tyr
1 5 10 15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu

```
            20                  25                  30

Asp Asp Ile Ala Glu Phe Glu Arg Gly Leu Gln Ile Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 438
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 438

```
Met Gly Ser Trp Tyr Glu Phe Lys Asp Asp Leu Ala Glu Ile Lys Glu
1               5                   10                  15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30

Leu Asp Ile Ala Asp Phe Glu Trp Leu Leu Gln Leu Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 439
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 439

Met Gly Ser Trp Gln Trp Phe Lys Asp Asp Leu Ala Tyr Ile Lys Glu
1   5   10   15

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

Asp Met Ile Ala Asp Phe Glu Phe Glu Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 440
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 440

Met Gly Ser Trp Ile Leu Phe Lys Asp Asp Leu Ala Trp Ile Lys Glu
1   5   10   15

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

Asp Asn Ile Ala Asp Phe Glu Glu Gln Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 441
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 441

Met Gly Ser Trp Ile Val Phe Lys Asp Asp Leu Ala Asp Ile Lys Arg
1 5 10 15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
20 25 30

Asp Glu Ile Ala Asp Phe Glu Trp Gln Leu Gln Asp Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 442
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 442

Met Gly Ser Trp Gly His Phe Lys Gln Asp Leu Ala Trp Ile Lys Asp
1 5 10 15

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

Asp Asp Ile Ala Met Phe Glu Met Glu Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 443
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 443

Met Gly Ser Trp Gly Tyr Phe Lys Asp Asp Leu Ala Trp Ile Lys Gly
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 444
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 444

```
Met Gly Ser Trp Tyr Trp Phe Lys Asp Asp Leu Ala Glu Ile Lys Gly
1               5                   10                  15


Leu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 445
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 445

```
Met Gly Ser Trp Met Phe Phe Lys Glu Asp Leu Ala Asp Ile Lys Trp
1               5                   10                  15


Ala Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 446
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 446

Met Gly Ser Trp Thr Phe Phe Lys Glu Asp Leu Ala Gly Ile Lys Trp
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 447
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 447

Met Gly Ser Trp Val Phe Phe Lys Asp Asp Leu Ala Asp Ile Lys Asp
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 448
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 448

Met Gly Ser Trp Thr Phe Phe Lys Asn Asp Leu Ala Glu Ile Lys Asp
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 449
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 449

Met Gly Ser Trp Thr Tyr Phe Lys Asp Asp Leu Ala Asp Ile Lys Gln
1   5   10   15

```
Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  450
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  450

Met Gly Ser Trp Thr Val Phe Lys Tyr Asp Leu Ala Asp Ile Lys Trp
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  451
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 451

Met Gly Ser Trp Tyr Trp Phe Lys Gln Asp Leu Ala His Ile Lys Ser
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 452
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 452

Met Gly Ser Trp Thr Phe Phe Lys Trp Asp Leu Ala Asp Ile Lys Ala
1   5   10   15

Asn Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Glu Asp Leu Ala Gly Phe Glu Ala Glu Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 453
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 453

Met Gly Ser Trp Ser Phe Phe Lys Glu Glu Leu Ala Asn Ile Gln Val
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Glu Asp Ile Ala Asp Phe Glu Glu Asp Leu Gln His Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 454
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 454

Met Gly Ser Trp Glu Phe Phe Lys Tyr Glu Leu Ala Asp Ile Lys Asp
1 5 10 15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu

```
            20                  25                  30

Glu Asp Ile Ala Thr Phe Glu Glu Trp Leu Gln Gly Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 455
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 455

```
Met Gly Ser Trp Gln Thr Phe Lys Asp Glu Leu Ala His Ile Lys Trp
1               5                   10                  15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30

Trp Asp Ile Ala Asn Phe Glu Glu Glu Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 456
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 456

Met Gly Ser Trp Tyr Trp Phe Lys Glu Glu Leu Ala Phe Ile Lys Trp
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
            20   25   30

Glu Asp Ile Ala Tyr Phe Glu Glu Met Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 457
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 457

Met Gly Ser Trp Asn Ser Phe Lys Asp Glu Leu Ala Glu Ile Lys Ala
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Glu Asp Ile Ala Trp Phe Glu Glu His Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 458
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 458

Met Gly Ser Trp Asp Leu Phe Lys Trp Glu Leu Ala Glu Ile Lys Leu
1 5 10 15

Gly Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Tyr Asp Ile Ala Trp Phe Glu Glu Asp Leu Gln Asp Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 459
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 459

Met Gly Ser Trp Ile Phe Phe Lys Gln Asp Leu Ala Glu Ile Lys Leu
1 5 10 15

Asn Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Asp Asp Ile Ala Trp Phe Glu Ser His Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 460
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 460

Met Gly Ser Trp His Leu Phe Lys Trp Thr Leu Ala Glu Ile Lys Tyr
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Asp Asp Ile Ala Thr Phe Glu Glu Glu Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 461
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 461

```
Met Gly Ser Trp Val Thr Phe Lys Asp Glu Leu Ala Asp Ile Lys Asp
1               5                   10                  15


Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  462
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  462

Met Gly Ser Trp Val Tyr Phe Lys Asp Glu Leu Ala Asp Ile Lys Asp
1               5                   10                  15


Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


Glu Asp Ile Ala Thr Phe Glu Tyr Asp Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 463
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 463

Met Gly Ser Trp Glu Thr Phe Lys Tyr Glu Leu Ala Glu Ile Lys Asp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 464
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 464

Met Gly Ser Trp Asn Thr Phe Lys Tyr Glu Leu Ala Glu Ile Lys His
1   5   10   15

Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Asp Asp Ile Ala Met Phe Glu Trp Glu Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 465
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 465

Met Gly Ser Trp Tyr Val Phe Lys Asp Glu Leu Ala Glu Ile Lys Gln
1   5   10   15

Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Asp Asp Ile Ala Glu Phe Glu Thr Gln Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 466
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 466

Met Gly Ser Trp Ile Phe Phe Lys Glu Gln Leu Ala Ile Ile Lys Trp
1   5   10   15

```
Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  467
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  467

Met Gly Ser Trp Glu Phe Phe Lys Glu Val Leu Ala Glu Ile Lys Tyr
1               5                   10                  15


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


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  468
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 468

Met Gly Ser Trp Val Phe Phe Lys Glu Asp Leu Ala Thr Ile Lys Asn
1   5   10   15

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

Met Met Ile Ala Asp Phe Glu Ala Asp Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 469
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 469

Met Gly Ser Trp Glu Glu Phe Lys Glu Asp Leu Ala Glu Ile Lys Val
1   5   10   15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Met Gly Ile Ala Asp Phe Glu Asp Gly Leu Gln Phe Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 470
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 470

Met Gly Ser Trp His Trp Phe Lys Glu Asp Leu Ala Asn Ile Lys Asp
1 5 10 15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 471
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 471

Met Gly Ser Trp Phe Trp Phe Lys Glu Asp Leu Ala Phe Ile Lys Glu
1 5 10 15

Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu

```
            20                  25                  30

Asp Gly Ile Ala Phe Phe Glu Trp Asp Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 472
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 472

```
Met Gly Ser Trp Gln Trp Phe Lys Glu Asp Leu Ala Glu Ile Lys His
1               5                   10                  15

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

Asp Phe Ile Ala Gln Phe Glu Phe Asp Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 473
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 473

Met Gly Ser Trp His Trp Phe Lys Glu Asp Leu Ala Ile Ile Lys Gln
1   5   10   15

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

Gln Trp Ile Ala Glu Phe Glu Trp Asp Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 474
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 474

Met Gly Ser Trp Asn Trp Phe Lys Glu Asp Leu Ala Ile Ile Lys Met
1   5   10   15

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

His Asn Ile Ala Gly Phe Glu Phe Glu Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 475
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 475

Met Gly Ser Trp Ser Trp Phe Lys Glu Asp Leu Ala Glu Ile Lys Met
1 5 10 15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 476
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 476

Met Gly Ser Trp Ser Trp Phe Lys Gln Asp Leu Ala Asp Ile Lys Ile
1 5 10 15

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

Trp Asp Ile Ala Glu Phe Glu Phe Glu Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 477
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 477

Met Gly Ser Trp Ser Trp Phe Lys Glu Asp Leu Ala Asp Ile Lys Phe
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 478
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 478

```
Met Gly Ser Trp Ser Trp Phe Lys Glu Asp Leu Ala Ser Ile Lys Ala
1               5                   10                  15


Val Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  479
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  479

Met Gly Ser Trp Trp Glu Phe Lys Glu Asp Leu Ala Glu Ile Lys Trp
1               5                   10                  15


Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


His Asp Ile Ala Lys Phe Glu Phe Glu Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 480
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 480

Met Gly Ser Trp Glu Trp Phe Lys Ser Asp Leu Ala Ser Ile Lys Trp
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

His Asp Ile Ala Glu Phe Glu Glu Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 481
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 481

Met Gly Ser Trp Asn Glu Phe Lys Asp Asp Leu Ala Met Ile Lys Met
1   5   10   15

Thr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

His Asp Ile Ala Glu Phe Glu Asp Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 482
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 482

Met Gly Ser Trp Thr Phe Phe Lys Asp Asp Leu Ala Glu Ile Lys Trp
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 483
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 483

Met Gly Ser Trp Ser Asp Phe Lys Asp Asp Leu Ala Glu Ile Lys Met
1   5   10   15

```
Ile Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Asn Asp Ile Ala Trp Phe Glu Asp Asp Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  484
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  484

Met Gly Ser Trp Ser Met Phe Lys Asp Asp Leu Ala Glu Ile Lys Ala
1               5                   10                  15


Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Asp Asp Ile Ala Trp Phe Glu Asp Asp Leu Gln His Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  485
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 485

Met Gly Ser Trp Gln Tyr Phe Lys Asp Asp Leu Ala Glu Ile Lys Met
1   5   10   15

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

Ala Asp Ile Ala Met Phe Glu Asp Asp Leu Gln Ile Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 486
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 486

Met Gly Ser Trp Ser Phe Phe Lys Asp Asp Leu Ala Glu Ile Lys Tyr
1   5   10   15

Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Gln Thr Ile Ala Glu Phe Glu Tyr Asp Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 487
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 487

Met Gly Ser Trp Met Glu Phe Lys Glu Glu Leu Ala Glu Ile Lys Tyr
1 5 10 15

Ile Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 488
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 488

Met Gly Ser Trp Ala Trp Phe Lys Glu Asp Leu Ala Glu Ile Lys Val
1 5 10 15

Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 489
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 489

```
Met Gly Ser Trp Tyr Glu Phe Lys Phe Asp Leu Ala Glu Ile Lys Glu
1               5                   10                  15

Gln Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
            20                  25                  30

Asp Asp Ile Ala Phe Phe Glu Tyr Asp Leu Gln Asn Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 490
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 490

Met Gly Ser Trp Tyr Asp Phe Lys Tyr Asp Leu Ala Glu Ile Lys Met
1   5   10   15

Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 491
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 491

Met Gly Ser Trp Tyr Ile Phe Lys Glu Asp Leu Ala Glu Ile Lys Glu
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Glu Glu Ile Ala Leu Phe Glu Met Glu Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 492
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 492

Met Gly Ser Trp Val Leu Phe Lys Glu Glu Leu Ala Tyr Ile Lys Phe
1 5 10 15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 493
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 493

Met Gly Ser Trp Gln Asp Phe Lys Glu Asp Leu Ala Trp Ile Lys Tyr
1 5 10 15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
20 25 30

Tyr Asp Ile Ala Ile Phe Glu Asn Asn Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 494
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 494

Met Gly Ser Trp Asp His Phe Lys Asn Asp Leu Ala Trp Ile Lys Lys
1   5   10   15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 495
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 495

```
Met Gly Ser Trp Tyr Asp Phe Lys Glu Asp Leu Ala Asp Ile Lys Trp
1               5                  10                  15


Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 496
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 496

```
Met Gly Ser Trp Tyr Met Phe Lys Glu Glu Leu Ala Asp Ile Lys Trp
1               5                  10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Asp Asp Ile Ala Gly Phe Glu Trp Asp Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 497
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 497

Met Gly Ser Trp Tyr Tyr Phe Lys Asp Glu Leu Ala Asp Ile Lys Trp
1   5   10   15

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

Met Leu Ile Ala Gln Phe Glu Leu Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 498
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 498

Met Gly Ser Trp Met Tyr Phe Lys Asp Thr Leu Ala Asp Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 499
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 499

Met Gly Ser Trp Tyr Gln Phe Lys His Asp Leu Ala Asp Ile Lys Tyr
1   5   10   15

Gly Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 500
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 500

Met Gly Ser Trp Tyr Val Phe Lys Asp Asp Leu Ala Asp Ile Lys Tyr
1   5   10   15

Met Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Trp Glu Ile Ala Asn Phe Glu Phe Asp Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 501
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 501

Met Gly Ser Trp Asn Phe Phe Lys Tyr Asp Leu Ala Asp Ile Met Ala
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Asp Glu Ile Ala Asn Phe Glu His Asp Leu Gln Lys Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 502
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 502

Met Gly Ser Trp His Trp Phe Lys Ile Val Leu Ala Asp Ile Lys Asp
1   5   10   15

Gly Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Thr Thr Ile Ala Asp Phe Glu Met Asp Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 503
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 503

Met Gly Ser Trp His Trp Phe Lys Ile Val Leu Ala Asp Ile Lys Asp
1   5   10   15

Gly Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Thr Thr Ile Ala Asp Phe Glu Met Asp Leu His His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 504
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 504

Met Gly Ser Trp Phe Met Phe Lys Glu Glu Leu Ala Asp Ile Lys Asp
1 5 10 15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 505
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 505

Met Gly Ser Trp Phe Met Phe Lys Gln Glu Leu Ala Trp Ile Lys Glu
1 5 10 15

Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu

```
            20                  25                  30

Trp Asp Ile Ala Glu Phe Glu Trp Asp Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 506
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 506

```
Met Gly Ser Trp Gln Ile Phe Lys Gly Glu Leu Ala Tyr Ile Lys Gln
1               5                   10                  15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 507
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 507

Met Gly Ser Trp Asp Phe Phe Lys Glu Glu Leu Ala Glu Ile Lys His
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
20 25 30

Phe Trp Ile Ala Asp Phe Glu Gln Asp Leu Gln Glu Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 508
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 508

Met Gly Ser Trp Phe Asn Phe Lys Glu Glu Leu Ala Val Ile Lys Phe
1 5 10 15

Gln Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 509
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 509

Met Gly Ser Trp Tyr Gln Phe Lys Thr Glu Leu Ala Trp Ile Lys Asp
1 5 10 15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 510
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 510

Met Gly Ser Trp Phe Glu Phe Lys Asp Tyr Leu Ala Asp Ile Lys Trp
1 5 10 15

Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
20 25 30

His Asp Ile Ala Tyr Phe Glu His Asn Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 511
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 511

Met Gly Ser Trp Val Arg Phe Lys Asp Phe Leu Ala Asp Ile Lys Met
1   5   10   15

Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Tyr His Ile Ala Glu Phe Glu His Asn Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 512
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 512

```
Met Gly Ser Trp Trp Leu Phe Lys Glu Gln Leu Ala Leu Ile Lys Tyr
1               5                  10                  15


Asn Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 513
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 513

```
Met Gly Ser Trp His Val Phe Lys Thr Glu Leu Ala Asp Ile Lys Phe
1               5                  10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20                  25                  30


Leu Trp Ile Ala Glu Phe Glu His Glu Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 514
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 514

Met Gly Ser Trp Ile Trp Phe Lys Asp Trp Leu Ala Asp Ile Lys Asp
1   5   10   15

Leu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 515
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 515

Met Gly Ser Trp Gly Trp Phe Lys His Glu Leu Ala Phe Ile Lys Ala
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 516
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 516

Met Gly Ser Trp Thr Trp Phe Lys Asp Asn Leu Ala Trp Ile Lys Glu
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 517
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 517

Met Gly Ser Trp Thr Tyr Phe Lys Asn Asp Leu Ala Gly Ile Lys Glu
1   5   10   15

```
Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20                  25                  30


Phe Glu Ile Ala Glu Phe Glu Trp Leu Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  518
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  518

Met Gly Ser Trp Thr Trp Phe Lys Trp Asp Leu Ala Asp Ile Lys Gly
1               5                   10                  15


Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


Glu Glu Ile Ala Glu Phe Glu Trp Arg Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  519
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 519

Met Gly Ser Trp Leu Tyr Phe Lys Glu Tyr Leu Ala Asp Ile Lys Ser
1   5   10   15

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

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 520
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 520

Met Gly Ser Trp His Trp Phe Lys Glu Glu Leu Ala Glu Ile Lys Glu
1   5   10   15

Asp Leu Val Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Tyr Asp Ile Ala Met Phe Glu Leu Ser Leu Gln Asn Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 521
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 521

Met Gly Ser Trp Asn Asp Phe Lys Glu Glu Leu Ala Trp Ile Lys Phe
1 5 10 15

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

Glu Asp Ile Ala Met Phe Glu Gln Gln Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 522
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 522

Met Gly Ser Trp Trp Asp Phe Lys Asp Trp Leu Ala Glu Ile Lys His
1 5 10 15

Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu

```
            20                  25                  30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 523
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 523

```
Met Gly Ser Trp Asp Glu Phe Lys Glu Asp Leu Ala His Ile Lys Thr
1               5                   10                  15

Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
            20                  25                  30

Asp Glu Ile Ala Asp Phe Glu Met Tyr Leu Gln His Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 524
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 524

Met Gly Ser Trp Asp Phe Phe Lys Tyr Asp Leu Ala Asn Ile Asn Glu
1   5   10   15

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

Tyr Gly Ile Ala Asp Phe Glu Leu Trp Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 525
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 525

Met Gly Ser Trp Tyr Gln Phe Lys Asp Asp Leu Ala His Ile Lys His
1   5   10   15

Leu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 526
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 526

Met Gly Ser Trp Ala Glu Phe Lys His Asp Leu Ala Asp Ile Lys Arg
1 5 10 15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 527
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 527

Met Gly Ser Trp Val Val Phe Lys Gln Asp Leu Ala Asp Ile Asn His
1 5 10 15

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

Trp Glu Ile Ala Asp Phe Glu Trp Glu Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 528
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 528

Met Gly Ser Trp Phe Gln Phe Lys Glu Phe Leu Ala Met Ile Thr His
1   5   10   15

Asn Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 529
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 529

```
Met Gly Ser Trp His Trp Phe Lys Glu Asp Leu Ala Met Ile Thr Asp
1               5                  10                  15


Val Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  530
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  530

Met Gly Ser Trp Ser Trp Phe Gln Trp Asp Leu Ala Gly Ile Lys Asp
1               5                  10                  15


His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


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


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 531
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 531

Met Gly Ser Trp Thr Glu Phe Lys Gly Glu Leu Ala Glu Ile Lys Trp
1   5   10   15

Ile Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Asp Glu Ile Ala Ala Phe Glu Trp Asp Leu Gln Lys Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 532
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 532

Met Gly Ser Trp Phe Glu Phe Lys Trp Thr Leu Ala Leu Ile Lys Gln
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

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

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 533
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 533

Met Gly Ser Trp Ala Glu Phe Lys Gln Arg Leu Ala Ala Ile Lys Thr
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Met
            20   25   30

Asp Glu Ile Met Ala Phe Glu Trp Glu Leu Trp Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Met Asn Glu Ala Phe Ala Ile Asp
    50   55   60

Val Glu Leu Tyr Ala Tyr Arg His Asn
65   70

<210> 534
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 534

Met Gly Ser Trp Ala Glu Phe Lys Gln Arg Leu Ala Ala Ile Lys Thr
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Trp Glu Ile Val Ala Phe Phe Ser Glu Leu Phe Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Asp Glu Ala Ile Ala Ile Glu
    50   55   60

Thr Glu Leu Val Ala Tyr Arg His Asn
65   70

<210> 535
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 535

Met Gly Ser Trp Trp Glu Phe Asp His Arg Leu Thr Ala Ile Asp Thr
1   5   10   15

Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Ser Ser Ile Ala Glu Phe Glu Trp Trp Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Phe Ala Glu Ala Glu Ala Ile Tyr
    50   55   60

Val Glu Leu Asp Ala Tyr Arg His Asn
65   70

<210> 536
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 536

Met Gly Ser Trp Trp Glu Phe Gln Phe Arg Leu Tyr Ala Ile Asp Gln
1   5   10   15

Arg Leu Leu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Gln Asp Ile Ala Asp Phe Glu Trp Met Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Met Leu Glu Ala Asp Ala Ile Glu
    50   55   60

Ala Glu Leu Lys Ala Tyr Arg His Asn
65   70

<210> 537
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 537

Met Gly Ser Trp Tyr Glu Phe Asp His Arg Leu Asp Ala Ile Tyr Gln
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Tyr Gly Ile Ala Glu Phe Glu Glu Tyr Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ile Ser Glu Ala Trp Ala Ile Glu
    50   55   60

Trp Glu Leu Ser Ala Tyr Arg His Asn
65 70

<210> 538
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 538

Met Gly Ser Trp Tyr Glu Phe Asp Met Arg Leu Asp Ala Ile Trp Glu
1 5 10 15

Arg Leu Thr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
20 25 30

Gln Tyr Ile Ala Glu Phe Glu Arg Gln Leu Gln Asp Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Phe Asp Glu Ala Trp Ala Ile Glu
50 55 60

Asp Glu Leu Tyr Ala Tyr Arg His Asn
65 70

<210> 539
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 539

Met Gly Ser Trp Ser Glu Phe Asp Ser Arg Leu Asp Ala Ile Ala Tyr
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu

```
            20                  25                  30

Trp Ile Ile Ala Asp Phe Glu Glu Asp Leu Gln Met Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Phe Ser Glu Ala Tyr Ala Ile Glu
    50                  55                  60

Ile Glu Leu Asn Ala Tyr Arg His Asn
65                  70
```

<210> 540
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 540

```
Met Gly Ser Trp Tyr Glu Phe Asp Asp Arg Leu Asp Ala Ile Ala Tyr
1               5                   10                  15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30

Trp Glu Ile Ala Glu Phe Glu Leu Asp Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Val Trp Glu Ala Asp Ala Ile Glu
    50                  55                  60

Trp Glu Leu Glu Ala Tyr Arg His Asn
65                  70
```

<210> 541
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 541

Met Gly Ser Trp Phe Glu Phe Asp Glu Arg Leu Asp Ala Ile Gly Ser
1   5   10   15

Arg Leu Thr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

Phe Tyr Ile Ala Asp Phe Glu Glu Trp Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala Phe Ala Ile Asp
    50   55   60

Glu Glu Leu Gly Ala Tyr Arg His Asn
65   70

<210> 542
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 542

Met Gly Ser Trp Glu Glu Phe Asp Gln Arg Leu Asp Ala Ile Asp Val
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Phe Asp Ile Ala Ala Phe Glu Glu Trp Leu Gln Leu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asn Met Glu Ala Phe Ala Ile Thr
    50   55   60

Asp Glu Leu Cys Ala Tyr Arg His Asn

65 70

<210> 543
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 543

Met Gly Ser Trp Glu Glu Phe Asp Val Arg Leu Asp Ala Ile Phe Asn
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Phe Asp Ile Ala Trp Phe Glu Met Asp Leu Gln Glu Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Phe Asp Glu Ala Glu Ala Ile Thr
50 55 60

Asn Glu Leu Val Ala Tyr Arg His Asn
65 70

<210> 544
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 544

Met Gly Ser Trp Glu Glu Phe Asp Lys Arg Leu Asp Ala Ile Thr Arg
1 5 10 15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Ser Thr Ile Ala Trp Phe Glu Trp Asp Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Trp Glu Ala Tyr Ala Ile Asp
    50   55   60

Tyr Glu Leu Gly Ala Tyr Arg His Asn
65   70

<210> 545
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 545

Met Gly Ser Trp Tyr Glu Phe Asp His Arg Leu Glu Ala Ile Tyr Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Phe Asp Ile Ala Asp Phe Glu Trp Asp Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Phe Asp Glu Ala Ala Ala Ile Gly
    50   55   60

His Glu Leu Leu Ala Tyr Arg His Asn
65   70

<210> 546
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 546

```
Met Gly Ser Trp Asn Glu Phe Asp Asp Arg Leu Leu Ala Ile Trp Gly
1               5                   10                  15


Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


Glu Gln Ile Ala Gly Phe Glu Asp Glu Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Asp Gln Glu Ala Glu Ala Ile Glu
    50                  55                  60


Lys Glu Leu Trp Ala Tyr Arg His Asn
65                  70
```

<210> 547
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 547

```
Met Gly Ser Trp Val Glu Phe Asp Asp Arg Leu Asp Ala Ile Trp Glu
1               5                   10                  15


Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Glu Gln Ile Ala Val Phe Glu His Gln Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Asn Gln Glu Ala Glu Ala Ile Asp
    50                  55                  60


Leu Glu Leu Lys Ala Tyr Arg His Asn
65                  70
```

<210> 548
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 548

Met Gly Ser Trp Thr Glu Phe Asp Asp Arg Leu Phe Ala Ile Tyr Trp
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Glu Val Ile Ala Glu Phe Glu Asn Asp Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Asp Glu Ala His Ala Ile Ser
    50   55   60

Ile Glu Leu Glu Ala Tyr Arg His Asn
65   70

<210> 549
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 549

Met Gly Ser Trp Ser Glu Phe Asp Gln Arg Leu Glu Ala Ile Trp Asn
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Arg Glu Ile Ala Tyr Phe Glu Asn Gln Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asn Asn Glu Ala Phe Ala Ile Val
    50   55   60

Asp Glu Leu Gly Ala Tyr Arg His Asn
65   70

<210> 550
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 550

Met Gly Ser Trp Tyr Glu Phe Asp Glu Arg Leu Trp Ala Ile Trp Glu
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Trp Val Ile Ala Asp Phe Glu Asn Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Phe Glu Ala Glu Ala Ile Val
    50   55   60

Thr Glu Leu His Ala Tyr Arg His Asn
65   70

<210> 551
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 551

Met Gly Ser Trp Met Glu Phe Asp Tyr Arg Leu Glu Ala Ile Trp Met
1   5   10   15

```
Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30


Ser Ser Ile Ala Asp Phe Glu His His Leu Gln Ser Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala Phe Ala Ile Gly
    50                  55                  60


Val Glu Leu Asp Ala Tyr Arg His Asn
65                  70


<210>  552
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  552

Met Gly Ser Trp Tyr Glu Phe Glu Ser Arg Leu Glu Ala Ile Trp Trp
1               5                   10                  15


Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20                  25                  30


Gln Tyr Ile Ala Asp Phe Glu Gln His Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Asp Trp Glu Ala Asp Ala Ile Trp
    50                  55                  60


Leu Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  553
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 553

Met Gly Ser Trp Glu Glu Phe Tyr Met Arg Leu Val Ala Ile His Met
1   5   10   15

Arg Leu Arg Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20   25   30

Asn Tyr Ile Ala Glu Phe Glu Glu Tyr Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Thr Ile Glu Ala Asp Ala Ile Gly
    50   55   60

Thr Glu Leu Gly Ala Tyr Arg His Asn
65   70

<210> 554
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 554

Met Gly Ser Trp Asp Glu Phe Tyr Tyr Arg Leu Val Ala Ile Thr His
1   5   10   15

Arg Leu His Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Asp Asp Ile Ala Gly Phe Glu Trp Asp Leu Gln Thr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Tyr Lys Glu Ala Gly Ala Ile Gly
    50   55   60

Met Glu Leu Thr Ala Tyr Arg His Asn
65 70

<210> 555
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 555

Met Gly Ser Trp Glu Glu Phe Asp Thr Arg Leu Leu Ala Ile Phe Gly
1 5 10 15

Arg Leu Gly Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
20 25 30

Met Leu Ile Ala Lys Phe Glu Asp Asp Leu Gln Asn Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Ser Glu Glu Ala Phe Ala Ile Asp
50 55 60

His Glu Leu Gly Ala Tyr Arg His Asn
65 70

<210> 556
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 556

Met Gly Ser Trp Arg Glu Phe Asp Gln Arg Leu Trp Ala Ile Asp Trp
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu

```
            20                  25                  30

Trp Met Ile Ala Thr Phe Glu Asp Asp Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Tyr Arg Glu Ala Phe Ala Ile Asp
    50                  55                  60

Trp Glu Leu Asp Ala Tyr Arg His Asn
65                  70
```

<210> 557
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 557

```
Met Gly Ser Trp Glu Glu Phe His Glu Arg Leu Asp Ala Ile Asp Glu
1               5                   10                  15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30

Asp Asp Ile Ala Ser Phe Glu Asp Trp Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Ser Arg Glu Ala Asp Ala Ile Asn
    50                  55                  60

Phe Glu Leu Glu Ala Tyr Arg His Asn
65                  70
```

<210> 558
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 558

Met Gly Ser Trp Asn Glu Phe Tyr Glu Arg Leu Glu Ala Ile Asp Arg
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
            20   25   30

Trp Met Ile Ala Asp Phe Glu Asp Asp Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ile Asn Glu Ala Gly Ala Ile Gly
    50   55   60

Phe Glu Leu Glu Ala Tyr Arg His Asn
65   70

<210> 559
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 559

Met Gly Ser Trp Thr Glu Phe Thr Gln Arg Leu Glu Ala Ile Val Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Asn Ser Ile Ala Asp Phe Glu Trp Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asn Arg Glu Ala Val Ala Ile Asp
    50   55   60

Asn Glu Leu Trp Ala Tyr Arg His Asn

65 70

<210> 560
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 560

Met Gly Ser Trp Val Glu Phe Ile Met Arg Leu Asp Ala Ile Tyr Glu
1 5 10 15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Trp His Ile Ala Asp Phe Glu Asp His Leu Gln Trp Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Phe Glu Glu Ala Asp Ala Ile Trp
50 55 60

Glu Glu Leu Trp Ala Tyr Arg His Asn
65 70

<210> 561
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 561

Met Gly Ser Trp Asn Glu Phe Leu Leu Arg Leu Asp Ala Ile Glu His
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Trp Glu Ile Ala Asp Phe Glu Asp Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Val Glu Glu Ala Glu Ala Ile Asp
    50   55   60

Val Glu Leu Val Ala Tyr Arg His Asn
65   70

<210> 562
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 562

Met Gly Ser Trp Tyr Glu Phe Asn Met Arg Leu Gly Ala Ile Asp Asp
1   5   10   15

Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Asp Met Ile Ala Ile Phe Glu Asp Asp Leu Gln Ile Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Gln Glu Ala Ala Ala Ile His
    50   55   60

Gln Glu Leu Trp Ala Tyr Arg His Asn
65   70

<210> 563
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 563

```
Met Gly Ser Trp Glu Glu Phe His Trp Arg Leu Gly Ala Ile Asp Ala
1               5                  10                  15


Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Asp Gly Ile Ala Asp Phe Glu Ala Ile Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Asp Ser Glu Ala Val Ala Ile His
    50                  55                  60


His Glu Leu Trp Ala Tyr Arg His Asn
65                  70


<210>  564
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  564

Met Gly Ser Trp Tyr Glu Phe Tyr Glu Arg Leu Trp Ala Ile Asp Asp
1               5                  10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


Asp Ser Ile Ala Thr Phe Glu Pro Ser Leu Gln Met Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Val Ala Glu Ala Trp Ala Ile Phe
    50                  55                  60


Asp Glu Leu Ala Ala Tyr Arg His Asn
65                  70
```

<210> 565
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 565

Met Gly Ser Trp Phe Glu Phe Asp Gln Arg Leu Asp Ala Ile Thr Phe
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Asp Val Ile Ala Leu Phe Glu Tyr His Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Val Glu Ala Trp Ala Ile Phe
    50   55   60

His Glu Leu Gly Ala Tyr Arg His Asn
65   70

<210> 566
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 566

Met Gly Ser Trp Ser Glu Phe Trp Phe Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Asp Asn Ile Ala Leu Phe Glu Tyr Ser Leu Gln His Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Val Lys Glu Ala Asn Ala Ile Asp
    50   55   60

Asp Glu Leu Gly Ala Tyr Arg His Asn
65   70

<210> 567
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 567

Met Gly Ser Trp Tyr Glu Phe Trp Asp Arg Leu Thr Ala Ile Glu His
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Asp Ser Ile Ala His Phe Glu Gly Ser Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Tyr Lys Glu Ala Glu Ala Ile Glu
    50   55   60

Trp Glu Leu Glu Ala Tyr Arg His Asn
65   70

<210> 568
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 568

Met Gly Ser Trp Tyr Glu Phe Asp Asp Arg Leu Trp Ala Ile Phe Asp
1   5   10   15

```
Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


Asp Ser Ile Ala Glu Phe Glu Glu Glu Leu Gln His Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Tyr Leu Glu Ala Trp Ala Ile Glu
    50                  55                  60


Asn Glu Leu Gly Ala Tyr Arg His Asn
65                  70


<210>  569
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  569

Met Gly Ser Trp Asn Glu Phe Val Glu Arg Leu Ser Ala Ile Asp His
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30


Gln Gln Ile Ala Glu Phe Glu Ile His Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Asp Phe Glu Ala Asp Ala Ile Phe
    50                  55                  60


Asp Glu Leu Leu Ala Tyr Arg His Asn
65                  70


<210>  570
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 570

Met Gly Ser Trp Ser Glu Phe Val Asp Arg Leu Asp Ala Ile Phe Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Asp Thr Ile Ala His Phe Glu Trp Asn Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asn Gly Glu Ala Asp Ala Ile Thr
    50   55   60

Asp Glu Leu His Ala Tyr Arg His Asn
65   70

<210> 571
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 571

Met Gly Ser Trp Ala Glu Phe Asp Ser Arg Leu Asp Ala Ile Ala Gln
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Asp Phe Ile Ala Gln Phe Glu Tyr Ser Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ser Asn Glu Ala Asp Ala Ile Phe
    50   55   60

Asn Glu Leu Lys Ala Tyr Arg His Asn
65 70

<210> 572
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 572

Met Gly Ser Trp Ala Glu Phe Asp Ser Arg Leu Ile Ala Ile Phe Asp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Asp Asp Ile Ala Gln Phe Glu Gln His Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Gln Glu Ala Asp Ala Ile Thr
50 55 60

Phe Glu Leu Lys Ala Tyr Arg His Asn
65 70

<210> 573
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 573

Met Gly Ser Trp Thr Glu Phe Glu Glu Arg Leu Glu Ala Ile Trp Asp
1 5 10 15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Trp Asp Ile Ala Tyr Phe Glu Asp Gly Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Phe Met Glu Ala Glu Ala Ile Ile
    50                  55                  60

Arg Glu Leu Lys Ala Tyr Arg His Asn
65                  70
```

<210> 574
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 574

```
Met Gly Ser Trp Tyr Glu Phe Glu Asp Arg Leu Ala Ala Ile Trp Asp
1               5                   10                  15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20                  25                  30

Trp Asp Ile Ala Trp Phe Glu Glu Gly Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Lys His Glu Ala Ser Ala Ile Gln
    50                  55                  60

Thr Glu Leu Phe Ala Tyr Arg His Asn
65                  70
```

<210> 575
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 575

Met Gly Ser Trp Leu Glu Phe Glu Ser Arg Leu Trp Ala Ile Trp Asp
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Gln Asp Ile Ala Asp Phe Glu Met Ser Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ile Arg Glu Ala Glu Ala Ile Glu
    50   55   60

Thr Glu Leu Tyr Ala Tyr Arg His Asn
65   70

<210> 576
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 576

Met Gly Ser Trp Met Glu Phe Glu Asp Arg Leu Ile Ala Ile Trp Ala
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Ala Asp Ile Ala Asp Phe Glu Glu Ser Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ile Phe Glu Ala Ile Ala Ile Asn
    50   55   60

Lys Glu Leu Met Ala Tyr Arg His Asn

65 70

<210> 577
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 577

Met Gly Ser Trp Phe Glu Phe Thr Ile Arg Leu Glu Ala Ile Gln Asp
1 5 10 15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Trp Asp Ile Ala Glu Phe Glu Glu Gly Leu Gln Phe Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu His Thr Glu Ala Asp Ala Ile Met
50 55 60

Asn Glu Leu Val Ala Tyr Arg His Asn
65 70

<210> 578
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 578

Met Gly Ser Trp Tyr Glu Phe Val Ser Arg Leu Asp Ala Ile Glu Tyr
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Trp Asp Ile Ala Asp Phe Glu Gln Gly Leu Gln Phe Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ala Gln Glu Ala Asn Ala Ile Gly
    50   55   60

Ser Glu Leu Thr Ala Tyr Arg His Asn
65   70

<210> 579
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 579

Met Gly Ser Trp Glu Glu Phe Asp Tyr Arg Leu Tyr Ala Ile Gln Asp
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Trp Glu Ile Ala Asp Phe Glu His Met Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Phe Gln Glu Ala Asp Ala Ile Asp
    50   55   60

Ala Glu Leu His Ala Tyr Arg His Asn
65   70

<210> 580
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 580

```
Met Gly Ser Trp Ile Glu Phe Phe His Arg Leu Asp Ala Ile Gln Asp
1               5                   10                  15


Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Trp Ala Ile Ala Asp Phe Glu His Met Leu Gln Leu Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Gln Phe Glu Ala Phe Ala Ile Glu
    50                  55                  60


Gly Glu Leu Tyr Ala Tyr Arg His Asn
65                  70
```

<210> 581
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 581

```
Met Gly Ser Trp Tyr Glu Phe Ser Ser Arg Leu Asn Ala Ile Asp Asp
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Thr Asp Ile Ala Asp Phe Glu Ser Leu Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Leu Asn Glu Ala Asp Ala Ile Asp
    50                  55                  60


Tyr Glu Leu Tyr Ala Tyr Arg His Asn
65                  70
```

<210> 582
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 582

Met Gly Ser Trp Phe Glu Phe Glu Tyr Arg Leu Asp Ala Ile Ile Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Ser Met Ile Ala Asn Phe Glu Tyr Ser Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Tyr Phe Glu Ala Asp Ala Ile Val
    50   55   60

Asp Glu Leu Thr Ala Tyr Arg His Asn
65   70

<210> 583
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 583

Met Gly Ser Trp Leu Glu Phe Glu Tyr Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Gln Asp Ile Ala Asp Phe Glu Lys Tyr Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Trp Glu Glu Ala Asp Ala Ile Met
    50   55   60

Trp Glu Leu Phe Ala Tyr Arg His Asn
65   70

<210> 584
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 584

Met Gly Ser Trp His Glu Phe Glu Glu Arg Leu Met Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Gln Trp Ile Ala Leu Phe Glu Tyr Asp Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Gly Met Glu Ala Phe Ala Ile Asn
    50   55   60

Asn Glu Leu Ser Ala Tyr Arg His Asn
65   70

<210> 585
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 585

Met Gly Ser Trp Tyr Glu Phe Glu Glu Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

```
Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20                  25                  30


Asp Ile Ile Ala Phe Phe Glu Gln Asp Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Glu Met Glu Ala Glu Ala Ile Ser
    50                  55                  60


Ile Glu Leu Asp Ala Tyr Arg His Asn
65                  70


<210>  586
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  586

Met Gly Ser Trp His Glu Phe Glu Lys Arg Leu Tyr Ala Ile Glu Asp
1               5                   10                  15


Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Asp Ser Ile Ala Trp Phe Glu Trp Asp Leu Gln Met Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Asn Glu Glu Ala Asp Ala Ile Tyr
    50                  55                  60


Gln Glu Leu Asp Ala Tyr Arg His Asn
65                  70


<210>  587
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 587

Met Gly Ser Trp Ile Glu Phe Glu Asp Arg Leu Asp Ala Ile Thr Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

His Gln Ile Ala Phe Phe Glu Glu Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu His Met Glu Ala Glu Ala Ile Met
    50   55   60

Glu Glu Leu Gly Ala Tyr Arg His Asn
65   70

<210> 588
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 588

Met Gly Ser Trp Met Glu Phe Glu Asp Arg Leu Met Ala Ile Val Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Trp Asn Ile Ala Met Phe Glu Glu Glu Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Gly Asp Glu Ala Glu Ala Ile Glu
    50   55   60

Trp Glu Leu Tyr Ala Tyr Arg His Asn
65 70

<210> 589
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 589

Met Gly Ser Trp Glu Glu Phe Glu Asp Arg Leu Phe Ala Ile Asp Ser
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Asn Ile Ile Ala Ser Phe Glu Glu Val Leu Gln Glu Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Ser Val Glu Ala Phe Ala Ile Asp
50 55 60

Arg Glu Leu Gly Ala Tyr Arg His Asn
65 70

<210> 590
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 590

Met Gly Ser Trp Glu Glu Phe Leu Phe Arg Leu Glu Ala Ile Gln Asp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu

```
            20                  25                  30

Tyr Glu Ile Ala Ser Phe Glu Asp Val Leu Gln Ser Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Ser Thr Glu Ala Lys Ala Ile Asp
    50                  55                  60

Tyr Glu Leu Phe Ala Tyr Arg His Asn
65                  70
```

<210> 591
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 591

```
Met Gly Ser Trp Val Glu Phe Asp Asn Arg Leu Phe Ala Ile Asp Glu
1               5                   10                  15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30

Glu Glu Ile Ala Ser Phe Glu Asp Asn Leu Gln Lys Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Gln Leu Glu Ala Phe Ala Ile Met
    50                  55                  60

Glu Glu Leu Asp Ala Tyr Arg His Asn
65                  70
```

<210> 592
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 592

Met Gly Ser Trp Phe Glu Phe Asp Asp Arg Leu Glu Ala Ile Phe Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Phe Ala Ile Ala Glu Phe Glu Asp Ala Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Tyr Glu Glu Ala Val Ala Ile Asp
    50   55   60

Glu Glu Leu Tyr Ala Tyr Arg His Asn
65   70

<210> 593
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 593

Met Gly Ser Trp Phe Glu Phe Asp Ala Arg Leu Met Ala Ile Asn Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Tyr His Ile Ala Leu Phe Glu Asp Gln Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Thr Leu Glu Ala Val Ala Ile Asn
    50   55   60

Glu Glu Leu Trp Ala Tyr Arg His Asn

65 70

<210> 594
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 594

Met Gly Ser Trp Val Glu Phe Asp Ser Arg Leu Ala Ala Ile Asp Tyr
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Tyr Thr Ile Ala Asn Phe Glu His Thr Leu Gln Met Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Val Tyr Glu Ala His Ala Ile Ala
50 55 60

Thr Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 595
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 595

Met Gly Ser Trp Thr Glu Phe Asp Glu Arg Leu Asp Ala Ile Asp Trp
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Gly Asp Ile Ala Leu Phe Glu Gln Tyr Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Met Glu Glu Ala Asp Ala Ile Lys
    50   55   60

Ala Glu Leu Asp Ala Tyr Arg His Asn
65   70

<210> 596
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 596

Met Gly Ser Trp Ile Glu Phe Asp Glu Arg Leu Asp Ala Ile Asp Phe
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Gly Trp Ile Ala Glu Phe Glu Ser Asp Leu Gln Leu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asn Glu Glu Ala Asn Ala Ile Phe
    50   55   60

His Glu Leu Ser Ala Tyr Arg His Asn
65   70

<210> 597
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 597

```
Met Gly Ser Trp Trp Glu Phe Asp Ser Arg Leu Asp Ala Ile Asp Phe
1               5                  10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Val Glu Ile Ala Asp Phe Glu Asp Trp Leu Gln Leu Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Trp His Glu Ala Asp Ala Ile Val
    50                  55                  60


Thr Glu Leu Tyr Ala Tyr Arg His Asn
65                  70
```

<210> 598
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 598

```
Met Gly Ser Trp Tyr Glu Phe Asp Glu Arg Leu Asp Ala Ile Phe Asp
1               5                  10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Gln Val Ile Ala Thr Phe Glu Lys Thr Leu Gln Arg Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Asp Thr Glu Ala Lys Ala Ile Ser
    50                  55                  60


Trp Glu Leu Asp Ala Tyr Arg His Asn
65                  70
```

<210> 599
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 599

Met Gly Ser Trp Tyr Glu Phe Gln Glu Arg Leu Asp Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Tyr Thr Ile Ala Glu Phe Glu Lys Glu Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Gly Thr Glu Ala Val Ala Ile Ser
    50   55   60

Glu Glu Leu Met Ala Tyr Arg His Asn
65   70

<210> 600
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 600

Met Gly Ser Trp Glu Glu Phe Glu Asp Arg Leu Trp Ala Ile Asp Gly
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Gln Trp Ile Ala Thr Phe Glu Glu Asp Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Tyr Glu Ala Ser Ala Ile Phe
    50   55   60

Glu Glu Leu Glu Ala Tyr Arg His Asn
65   70

<210> 601
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 601

Met Gly Ser Trp Phe Glu Phe Gly Asp Arg Leu Glu Ala Ile Asp Glu
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20   25   30

Trp Trp Ile Ala Glu Phe Glu His His Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Tyr Glu Ala Asp Ala Ile Trp
    50   55   60

Gly Glu Leu His Ala Tyr Arg His Asn
65   70

<210> 602
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 602

Met Gly Ser Trp Phe Glu Phe Asn Asp Arg Leu Asp Ala Ile Ser Glu
1   5   10   15

```
Arg Leu Ser Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Trp Gln Ile Ala Val Phe Glu Lys Thr Leu Gln Asn Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Thr Leu Glu Ala Asn Ala Ile Phe
    50                  55                  60


Glu Glu Leu Glu Ala Tyr Arg His Asn
65                  70


<210>  603
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  603

Met Gly Ser Trp Val Glu Phe Met Asp Arg Leu Glu Ala Ile Glu Glu
1               5                   10                  15


Arg Leu Ser Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20                  25                  30


Trp Glu Ile Ala Glu Phe Glu Glu His Leu Gln Val Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala Leu Ala Ile Thr
    50                  55                  60


Glu Glu Leu Ala Ala Tyr Arg His Asn
65                  70


<210>  604
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 604

Met Gly Ser Trp Ile Glu Phe Met Asp Arg Leu Trp Ala Ile Asp Gln
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Glu Glu Ile Ala Trp Phe Glu Glu Glu Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala Thr Ala Ile Ser
    50   55   60

Glu Glu Leu Trp Ala Tyr Arg His Asn
65   70

<210> 605
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 605

Met Gly Ser Trp Glu Glu Phe Asn Trp Arg Leu Arg Ala Ile Asp Glu
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Tyr Asp Ile Ala Glu Phe Glu Glu Gln Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Val Glu Ala Ala Ala Ile Ala
    50   55   60

Glu Glu Leu Tyr Ala Tyr Arg His Asn
65 70

<210> 606
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 606

Met Gly Ser Trp Trp Glu Phe Glu Ile Arg Leu Asp Ala Ile Asp Glu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Gln Ser Ile Ala Phe Phe Glu Asn Asp Leu Gln Val Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Trp Glu Ala Asn Ala Ile Ile
50 55 60

Glu Glu Leu Phe Ala Tyr Arg His Asn
65 70

<210> 607
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 607

Met Gly Ser Trp Tyr Glu Phe Glu Trp Arg Leu Asp Ala Ile Asp Arg
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu

```
            20                  25                  30

Glu Glu Ile Ala Asp Phe Glu Trp Met Leu Gln Asn Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Val Asp Glu Ala Ser Ala Ile Gln
    50                  55                  60

Thr Glu Leu Trp Ala Tyr Arg His Asn
65                  70
```

<210> 608
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 608

```
Met Gly Ser Trp Tyr Glu Phe Val Tyr Arg Leu Arg Ala Ile Asp Glu
1               5                   10                  15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20                  25                  30

Phe Glu Ile Ala Phe Phe Glu Asp Gln Leu Gln Arg Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Val Asp Glu Ala Gln Ala Ile Asp
    50                  55                  60

Phe Glu Leu Phe Ala Tyr Arg His Asn
65                  70
```

<210> 609
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 609

Met Gly Ser Trp Trp Glu Phe Glu Asp Arg Leu Tyr Ala Ile Asp Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20   25   30

Arg Glu Ile Ala Gln Phe Glu Ile Trp Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Asp Glu Ala Thr Ala Ile Asn
    50   55   60

Ser Glu Leu Phe Ala Tyr Arg His Asn
65   70

<210> 610
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 610

Met Gly Ser Trp Asp Glu Phe Glu Phe Arg Leu Glu Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20   25   30

Tyr Glu Ile Ala Gln Phe Glu Phe Met Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Gly Met Glu Ala Trp Ala Ile Glu
    50   55   60

Asn Glu Leu Phe Ala Tyr Arg His Asn

65 70

<210> 611
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 611

Met Gly Ser Trp Glu Glu Phe Glu Trp Arg Leu Asp Ala Ile Asp Glu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Thr Phe Glu
20 25 30

Tyr Glu Ile Ala Ile Phe Glu Asn Glu Leu Gln Gln Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Asp Ser Glu Ala Tyr Ala Ile Glu
50 55 60

Arg Glu Leu Gly Ala Tyr Arg His Asn
65 70

<210> 612
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 612

Met Gly Ser Trp Tyr Glu Phe Phe Asp Arg Leu Asp Ala Ile Asp Glu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Ala Glu Ile Ala Glu Phe Glu Met Glu Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Val Glu Ala His Ala Ile Glu
    50   55   60

Met Glu Leu Phe Ala Tyr Arg His Asn
65   70

<210> 613
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 613

Met Gly Ser Trp Tyr Glu Phe Met Gly Arg Leu Glu Ala Ile Asp Glu
1   5   10   15

Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

His Glu Ile Ala Glu Phe Glu Trp Ser Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Phe Glu Ala Gly Ala Ile Pro
    50   55   60

Trp Glu Leu Trp Ala Tyr Arg His Asn
65   70

<210> 614
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 614

Met Gly Ser Trp Val Glu Phe Ser Asn Arg Leu Asp Ala Ile Trp Glu
1   5   10   15

Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Trp Glu Ile Ala Glu Phe Glu Trp Glu Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asn Ala Glu Ala Asp Ala Ile Glu
    50   55   60

Trp Glu Leu Glu Ala Tyr Arg His Asn
65   70

<210> 615
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 615

Met Gly Ser Trp Glu Glu Phe His Met Arg Leu Ile Ala Ile Asp Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20   25   30

Glu Ser Ile Ala Tyr Phe Glu Ser Gln Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Tyr Glu Ala His Ala Ile Trp
    50   55   60

Arg Glu Leu Tyr Ala Tyr Arg His Asn
65   70

<210> 616
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 616

Met Gly Ser Trp Trp Glu Phe Lys Tyr Arg Leu Asp Ala Ile Cys Phe
1   5   10   15

Arg Leu Ala Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

Asp Glu Ile Ala Tyr Phe Glu Glu Asp Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Tyr Glu Ala Leu Ala Ile Trp
    50   55   60

Asp Glu Leu Ala Ala Tyr Arg His Asn
65   70

<210> 617
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 617

Met Gly Ser Trp Asp Glu Phe Ala Met Arg Leu Glu Ala Ile Gln Ala
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20   25   30

Asp Glu Ile Ala Phe Phe Glu Thr Met Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Tyr Glu Ala Ala Ala Ile Glu
    50   55   60

Ala Glu Leu Gly Ala Tyr Arg His Asn
65   70

<210> 618
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 618

Met Gly Ser Trp Trp Glu Phe Asn Ala Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Asp Ile Ile Ala Ser Phe Glu Asn Ile Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Trp Tyr Glu Ala Tyr Ala Ile Glu
    50   55   60

Lys Glu Leu Asn Ala Tyr Arg His Asn
65   70

<210> 619
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 619

Met Gly Ser Trp Ile Glu Phe Trp Asn Arg Leu Glu Ala Ile Glu Glu
1   5   10   15

```
Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Asp Glu Ile Ala Glu Phe Glu Ile Tyr Leu Gln Gln Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Lys His Glu Ala Glu Ala Ile Asn
    50                  55                  60


Lys Glu Leu Met Ala Tyr Arg His Asn
65                  70


<210>  620
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  620

Met Gly Ser Trp Asn Glu Phe Val Ile Arg Leu Phe Ala Ile Asp Asp
1               5                   10                  15


Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Asp Glu Ile Ala Thr Phe Glu Tyr Glu Leu Gln Arg Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Glu Tyr Glu Ala Glu Ala Ile Val
    50                  55                  60


Ser Glu Leu Phe Ala Tyr Arg His Asn
65                  70


<210>  621
<211>  73
<212>  PRT
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<213> Artificial sequence

<220>
<223> synthetic construct

<400> 621

Met Gly Ser Trp Tyr Glu Phe Leu Ala Arg Leu Tyr Ala Ile Asp Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Thr Phe Glu
            20   25   30

His Trp Ile Ala Asp Phe Glu Glu Gln Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Thr Asp Glu Ala Val Ala Ile Gly
    50   55   60

Glu Glu Leu Ser Ala Tyr Arg His Asn
65   70

<210> 622
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 622

Met Gly Ser Trp Leu Glu Phe Glu Thr Arg Leu His Ala Ile Asp Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Glu His Ile Ala Trp Phe Glu Glu Asp Leu Gln Phe Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Phe Glu Ala Asp Ala Ile Gly
    50   55   60

Trp Glu Leu Trp Ala Tyr Arg His Asn
65 70

<210> 623
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 623

Met Gly Ser Trp Phe Glu Phe Glu Thr Arg Leu Glu Ala Ile Asp Leu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Thr Phe Glu
20 25 30

Asp Val Ile Ala Phe Phe Glu Asp Trp Leu Gln Phe Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Lys Met Glu Ala Trp Ala Ile Gly
50 55 60

Glu Glu Leu His Ala Tyr Arg His Asn
65 70

<210> 624
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 624

Met Gly Ser Trp His Glu Phe Trp Gln Arg Leu Glu Ala Ile Glu Gly
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu

```
            20                  25                  30

Ser Leu Ile Ala Asp Phe Glu Glu Gln Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Met Ala Glu Ala Glu Ala Ile Asp
    50                  55                  60

Asn Glu Leu Arg Ala Tyr Arg His Asn
65                  70
```

<210> 625
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 625

```
Met Gly Ser Trp Tyr Glu Phe Glu Gln Arg Leu Glu Ala Ile Glu Trp
1               5                   10                  15

Arg Leu Gly Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Thr Phe Glu
            20                  25                  30

Glu Asp Ile Ala Asp Phe Glu Glu Trp Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Gln Tyr Glu Ala Tyr Ala Ile Ala
    50                  55                  60

Glu Glu Leu His Ala Tyr Arg His Asn
65                  70
```

<210> 626
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 626

Met Gly Ser Trp Tyr Glu Phe Glu Asn Arg Leu Phe Ala Ile Glu Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Tyr Glu Ile Ala Asn Phe Glu Trp Gly Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Asn Glu Ala Glu Ala Ile Asp
    50   55   60

Ile Glu Leu Ala Ala Tyr Arg His Asn
65   70

<210> 627
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 627

Met Gly Ser Trp Tyr Glu Phe Glu Gln Arg Leu Gly Ala Ile Glu Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Asp Ile Ile Ala Tyr Phe Glu Tyr Gln Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Glu Glu Ala Trp Ala Ile Asp
    50   55   60

Asp Glu Leu Trp Ala Tyr Arg His Asn

65 70

<210> 628
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 628

Met Gly Ser Trp Trp Glu Phe Glu Gln Arg Leu Asp Ala Ile Glu Thr
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
20 25 30

His Ile Ile Ala Asp Phe Glu Asp Glu Leu Gln Ile Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Gly Trp Glu Ala Phe Ala Ile Asp
50 55 60

Gly Glu Leu Thr Ala Tyr Arg His Asn
65 70

<210> 629
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 629

Met Gly Ser Trp Phe Glu Phe Pro Tyr Arg Leu Glu Ala Ile Glu Glu
1 5 10 15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
20 25 30

Gln Phe Ile Ala Trp Phe Glu Met Asp Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Trp Phe Glu Ala Asn Ala Ile Val
    50   55   60

Glu Glu Leu Asp Ala Tyr Arg His Asn
65   70

<210> 630
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 630

Met Gly Ser Trp Val Glu Phe Tyr Asp Arg Leu Glu Ala Ile Glu Ile
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Ser Phe Ile Ala His Phe Glu Asp Asp Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Met Asp Glu Ala Asn Ala Ile Val
    50   55   60

Phe Glu Leu Asp Ala Tyr Arg His Asn
65   70

<210> 631
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 631

```
Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Asp Ala Ile Glu Glu
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


Phe Met Ile Ala Met Phe Glu Gln His Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Ile Pro Glu Ala Gly Ala Ile Asp
    50                  55                  60


Lys Glu Leu Thr Ala Tyr Arg His Asn
65                  70
```

<210> 632
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 632

```
Met Gly Ser Trp Asp Glu Phe Asp Ala Arg Leu Trp Ala Ile Glu Glu
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


Phe Met Ile Ala Ala Phe Glu Asp Val Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Met Gly Glu Ala Asn Ala Ile Val
    50                  55                  60


Met Glu Leu Asp Ala Tyr Arg His Asn
65                  70
```

<210> 633
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 633

Met Gly Ser Trp Tyr Glu Phe Trp Arg Arg Leu Asp Ala Ile Glu Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Thr Asp Ile Ala Gly Phe Glu Trp Met Leu Gln Leu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu His Glu Ala Trp Ala Ile Asn
    50   55   60

Ser Glu Leu Asp Ala Tyr Arg His Asn
65   70

<210> 634
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 634

Met Gly Ser Trp His Glu Phe Ile Trp Arg Leu Asp Ala Ile Glu Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Thr Glu Ile Ala Thr Phe Glu Ala Gln Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala Ile Ala Ile Ala
    50   55   60

Trp Glu Leu Asp Ala Tyr Arg His Asn
65   70

<210> 635
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 635

Met Gly Ser Trp Tyr Glu Phe Tyr Trp Arg Leu Glu Ala Ile Glu Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Lys Ala Ile Ala Thr Phe Glu Asp Gln Leu Gln Thr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Thr Glu Ala Leu Ala Ile His
    50   55   60

Ala Glu Leu Glu Ala Tyr Arg His Asn
65   70

<210> 636
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 636

Met Gly Ser Trp Phe Glu Phe Gln Trp Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

```
Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


Thr Ile Ile Ala Gly Phe Glu Glu Gln Leu Gln Val Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Glu Glu Glu Ala Met Ala Ile Gln
    50                  55                  60


Thr Glu Leu His Ala Tyr Arg His Asn
65                  70


<210>  637
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  637

Met Gly Ser Trp Trp Glu Phe Glu Asp Arg Leu Trp Ala Ile Glu Gln
1               5                   10                  15


Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20                  25                  30


Asn Ser Ile Ala Lys Phe Glu Asp Met Leu Gln Val Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu His Glu Glu Ala Asp Ala Ile Ile
    50                  55                  60


Trp Glu Leu Tyr Ala Tyr Arg His Asn
65                  70


<210>  638
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 638

Met Gly Ser Trp Trp Glu Phe Glu Asp Arg Leu Trp Ala Ile Asp Arg
1   5   10   15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20   25   30

Gln Met Ile Ala His Phe Glu Gln Ile Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu His Phe Glu Ala His Ala Ile Gly
    50   55   60

Met Glu Leu Ala Ala Tyr Arg His Asn
65   70

<210> 639
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 639

Met Gly Ser Trp Trp Glu Phe Leu Asp Arg Leu Glu Ala Ile Glu Tyr
1   5   10   15

Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20   25   30

Trp Glu Ile Ala Met Phe Glu Asp His Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu His Ser Glu Ala His Ala Ile Ile
    50   55   60

Ser Glu Leu Ser Ala Tyr Arg His Asn
65 70

<210> 640
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 640

Met Gly Ser Trp Ala Glu Phe Glu Asp Arg Leu Ala Ala Ile Glu Arg
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
20 25 30

Ser Ser Ile Ala Trp Phe Glu Pro Asp Leu Gln Tyr Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Met Tyr Glu Ala Glu Ala Ile Phe
50 55 60

Ser Glu Leu Tyr Ala Tyr Arg His Asn
65 70

<210> 641
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 641

Met Gly Ser Trp Trp Glu Phe Tyr Asp Arg Leu Thr Ala Ile Glu Ala
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu

```
            20                  25                  30

Glu Gly Ile Ala Asp Phe Glu Tyr Asp Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Phe Trp Glu Ala Trp Ala Ile Gln
    50                  55                  60

Ser Glu Leu Thr Ala Tyr Arg His Asn
65                  70
```

<210> 642
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 642

```
Met Gly Ser Trp Tyr Glu Phe Glu Asp Arg Leu Ala Ala Ile Glu Ala
1               5                   10                  15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30

Glu Glu Ile Ala Tyr Phe Glu His Gly Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Glu Ser Glu Ala Met Ala Ile Ile
    50                  55                  60

Asp Glu Leu His Ala Tyr Arg His Asn
65                  70
```

<210> 643
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 643

Met Gly Ser Trp Trp Glu Phe Ser Trp Arg Leu Glu Ala Ile Glu Thr
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Met Asp Ile Ala Trp Phe Glu Gln Asp Leu Gln Leu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Glu Glu Ala Tyr Ala Ile Tyr
    50   55   60

Glu Glu Leu Glu Ala Tyr Arg His Asn
65   70

<210> 644
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 644

Met Gly Ser Trp Glu Glu Phe Phe Phe Arg Leu Glu Ala Ile Asp Asp
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
            20   25   30

Glu Val Ile Ala Tyr Phe Glu Gln Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Tyr Val Glu Ala Tyr Ala Ile Gln
    50   55   60

Glu Glu Leu Tyr Ala Tyr Arg His Asn

65 70

<210> 645
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 645

Met Gly Ser Trp Phe Glu Phe Glu Glu Arg Leu Asn Ala Ile Ser Trp
1 5 10 15

Arg Leu His Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
20 25 30

Glu Asp Ile Ala Trp Phe Glu Asp Asp Leu Gln Phe Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Glu Asn Glu Ala Tyr Ala Ile Trp
50 55 60

Glu Glu Leu Asp Ala Tyr Arg His Asn
65 70

<210> 646
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 646

Met Gly Ser Trp Phe Glu Phe Glu Glu Arg Leu Glu Ala Ile Ile Tyr
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
20 25 30

Glu Ser Ile Ala Trp Phe Glu Ser Asp Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Tyr Glu Ala Met Ala Ile Ser
    50   55   60

Lys Glu Leu Lys Ala Tyr Arg His Asn
65   70

<210> 647
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 647

Met Gly Ser Trp Ala Glu Phe Asp Asp Arg Leu Glu Ala Ile Glu Tyr
1   5   10   15

Arg Leu His Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Glu Gly Ile Ala Gly Phe Glu His Ala Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Thr Glu Ala Gly Ala Ile Asn
    50   55   60

Glu Glu Leu Trp Ala Tyr Arg His Asn
65   70

<210> 648
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 648

```
Met Gly Ser Trp Asp Glu Phe Glu Glu Arg Leu Gln Ala Ile Glu Tyr
1               5                  10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Glu Val Ile Ala Gln Phe Glu Tyr Asp Leu Gln Lys Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Ser Thr Glu Ala Gln Ala Ile Gln
    50                  55                  60


Asp Glu Leu Trp Ala Tyr Arg His Asn
65                  70


<210>  649
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  649

Met Gly Ser Trp Trp Glu Phe Thr Asp Arg Leu Asp Ala Ile Phe Asp
1               5                  10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Glu Ser Ile Ala Ile Phe Glu Gln Asp Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Glu Tyr Glu Ala Asn Ala Ile Gln
    50                  55                  60


Tyr Glu Leu Glu Ala Tyr Arg His Asn
65                  70
```

<210> 650
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 650

Met Gly Ser Trp Trp Glu Phe Thr Asp Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Asp Ser Ile Ala Gln Phe Glu Gln Glu Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ala Asp Glu Ala Asp Ala Ile Glu
    50   55   60

Ser Glu Leu His Ala Tyr Arg His Asn
65   70

<210> 651
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 651

Met Gly Ser Trp Val Glu Phe Phe Trp Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20   25   30

Phe Glu Ile Ala Asp Phe Glu Ala Trp Leu Gln Lys Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu His Ser Glu Ala Asp Ala Ile Gln
    50   55   60

Leu Glu Leu Arg Ala Tyr Arg His Asn
65   70

<210> 652
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 652

Met Gly Ser Trp Val Glu Phe Tyr Asn Arg Leu Asp Ala Ile Glu Asn
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Glu Leu Ile Ala Gln Phe Glu Phe Ala Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Asp Glu Ala Asp Ala Ile Trp
    50   55   60

Glu Glu Leu Met Ala Tyr Arg His Asn
65   70

<210> 653
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 653

Met Gly Ser Trp Glu Glu Phe Tyr Tyr Arg Leu His Ala Ile Asp Asn
1   5   10   15

```
Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Trp His Ile Ala Asp Phe Glu Leu Glu Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Ser Glu Glu Ala Thr Ala Ile Phe
    50                  55                  60


Glu Glu Leu Trp Ala Tyr Arg His Asn
65                  70


<210>  654
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  654

Met Gly Ser Trp Arg Glu Phe His Asp Arg Leu Phe Ala Ile Asp Gly
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20                  25                  30


Trp Asp Ile Ala Asp Phe Glu Phe Glu Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Ser Trp Glu Ala Asp Ala Ile Met
    50                  55                  60


Gln Glu Leu Gly Ala Tyr Arg His Asn
65                  70


<210>  655
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 655

Met Gly Ser Trp Glu Glu Phe Asp Glu Arg Leu Trp Ala Ile Ser Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Gly Glu Ile Ala Tyr Phe Glu Gln Asn Leu Gln Thr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Gln Thr Glu Ala Leu Ala Ile Asp
    50   55   60

Thr Glu Leu Trp Ala Tyr Arg His Asn
65   70

<210> 656
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 656

Met Gly Ser Trp Glu Glu Phe Glu Gln Arg Leu Trp Ala Ile Asp Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Tyr Glu Ile Ala Glu Phe Glu Met Asp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Phe Tyr Glu Ala His Ala Ile Asn
    50   55   60

Glu Glu Leu Trp Ala Tyr Arg His Asn
65 70

<210> 657
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 657

Met Gly Ser Trp Asp Glu Phe His Gln Arg Leu Ala Ala Ile Gly Asp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
20 25 30

Trp Glu Ile Ala Thr Phe Glu Trp Asp Leu Gln Val Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Tyr Phe Glu Ala Thr Ala Ile Asp
50 55 60

Glu Glu Leu Met Ala Tyr Arg His Asn
65 70

<210> 658
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 658

Met Gly Ser Trp Val Glu Phe Glu Tyr Arg Leu Asp Ala Ile Ser Asp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu

```
            20                  25                  30

Asn Glu Ile Ala Ser Phe Glu Ser Asp Leu Gln Phe Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Met Phe Glu Ala Glu Ala Ile Asp
    50                  55                  60

Asp Glu Leu His Ala Tyr Arg His Asn
65                  70
```

<210> 659
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 659

```
Met Gly Ser Trp Asp Glu Phe Asp Thr Arg Leu Asp Ala Ile Phe Ser
1               5                   10                  15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20                  25                  30

Gly Glu Ile Ala Glu Phe Glu Gly Ser Leu Gln His Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Asp Phe Glu Ala His Ala Ile Asp
    50                  55                  60

Glu Glu Leu Trp Ala Tyr Arg His Asn
65                  70
```

<210> 660
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 660

Met Gly Ser Trp His Glu Phe Asp Asp Arg Leu Asp Ala Ile Met Ser
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Thr Phe Glu
            20   25   30

Ala Glu Ile Ala Thr Phe Glu Phe Val Leu Gln Leu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Leu Ala Glu Ala Tyr Ala Ile Asp
    50   55   60

Trp Glu Leu Glu Ala Tyr Arg His Asn
65   70

<210> 661
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 661

Met Gly Ser Trp Tyr Glu Phe Phe Asp Arg Leu Asp Ala Ile Tyr Asp
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

Ala Gln Ile Ala Glu Phe Glu Val Glu Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala Trp Ala Ile Asp
    50   55   60

Glu Glu Leu Tyr Ala Tyr Arg His Asn

65 70

<210> 662
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 662

Met Gly Ser Trp Phe Glu Phe Leu Tyr Arg Leu Asp Ala Ile Glu Asp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Gln Glu Ile Ala Lys Phe Glu Ser Glu Leu Gln Ser Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala His Ala Ile Asp
50 55 60

Met Glu Leu Glu Ala Tyr Arg His Asn
65 70

<210> 663
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 663

Met Gly Ser Trp Leu Glu Phe Glu Asp Arg Leu Val Ala Ile Asp His
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Glu Glu Ile Ala Leu Phe Glu Ser Tyr Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asn Trp Glu Ala Asp Ala Ile His
    50   55   60

Ala Glu Leu Tyr Ala Tyr Arg His Asn
65   70

<210> 664
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 664

Met Gly Ser Trp Tyr Glu Phe Glu Ser Arg Leu Asp Ala Ile Val Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Tyr Glu Ile Ala Lys Phe Glu Trp Glu Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asn Trp Glu Ala Gly Ala Ile Glu
    50   55   60

Phe Glu Leu Tyr Ala Tyr Arg His Asn
65   70

<210> 665
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 665

```
Met Gly Ser Trp Tyr Glu Phe Glu Asp Arg Leu Asp Ala Ile Leu Tyr
1               5                   10                  15


Arg Leu Leu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Arg Asp Ile Ala Phe Phe Glu Ser Glu Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala Met Ala Ile Asp
    50                  55                  60


Asp Glu Leu Phe Ala Tyr Arg His Asn
65                  70


<210>  666
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  666

Met Gly Ser Trp Gly Glu Phe Met Asp Arg Leu Glu Ala Ile Asp Tyr
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Ser Asp Ile Ala Glu Phe Glu Gln Glu Leu Gln Met Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Trp Asp Glu Ala Met Ala Ile Arg
    50                  55                  60


Asp Glu Leu Phe Ala Tyr Arg His Asn
65                  70
```

<210> 667
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 667

Met Gly Ser Trp Glu Glu Phe Asp Asp Arg Leu Asp Ala Ile Glu His
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Gly Ser Ile Ala Ala Phe Glu Ser Trp Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Glu Ala Glu Ala Glu Ala Ile Ala
    50   55   60

Asp Glu Leu Trp Ala Tyr Arg His Asn
65   70

<210> 668
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 668

Met Gly Ser Trp Tyr Glu Phe Ala Asp Arg Leu Asp Ala Ile Met Asp
1   5   10   15

Arg Leu Val Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Trp Glu Ile Ala Ala Phe Glu Glu Phe Leu Gln Met Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Glu Glu Ala Glu Ala Ile Lys
    50   55   60

Asp Glu Leu Met Ala Tyr Arg His Asn
65   70

<210> 669
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 669

Met Gly Ser Trp Asn Glu Phe Trp Glu Arg Leu Asp Ala Ile Glu Trp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Leu Asp Ile Ala Trp Phe Glu Glu Glu Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Ile Phe Glu Ala His Ala Ile Thr
    50   55   60

Leu Glu Leu Asp Ala Tyr Arg His Asn
65   70

<210> 670
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 670

Met Gly Ser Trp Tyr Glu Phe Asp Ala Arg Leu Asp Ala Ile Glu Glu
1   5   10   15

```
Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Phe Glu Ile Ala Gly Phe Glu Glu Ala Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Leu Lys Glu Ala Glu Ala Ile Thr
    50                  55                  60


Asp Glu Leu Tyr Ala Tyr Arg His Asn
65                  70


<210>  671
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  671

Met Gly Ser Trp Asp Glu Phe Ser Glu Arg Leu Asp Ala Ile Trp Gly
1               5                   10                  15


Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Thr Phe Glu
            20                  25                  30


Phe His Ile Ala Glu Phe Glu His Glu Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Gln Gly Glu Ala Ala Ala Ile Ile
    50                  55                  60


Asn Glu Leu Tyr Ala Tyr Arg His Asn
65                  70


<210>  672
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 672

Met Gly Ser Trp Asp Glu Phe Trp Asp Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Arg Val Ile Ala Trp Phe Glu Asn Asp Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Asp Asn Glu Ala Asp Ala Ile Arg
    50   55   60

Ile Glu Leu His Ala Tyr Arg His Asn
65   70

<210> 673
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 673

Met Gly Ser Trp Asp Glu Phe Asp Asp Arg Leu Glu Ala Ile Val Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Phe Glu Ile Ala Gln Phe Glu His Gln Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Asp Glu Ala Asp Ala Ile Trp
    50   55   60

Ile Glu Leu Asp Ala Tyr Arg His Asn
65 70

<210> 674
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 674

Met Gly Ser Trp Glu Glu Phe Thr Ile Arg Leu Gly Ala Ile Tyr Trp
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
20 25 30

Trp Phe Ile Ala Glu Phe Glu Tyr Glu Leu Gln Pro Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Val Ile Glu Ala Asn Ala Ile Asp
50 55 60

Gly Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 675
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 675

Met Gly Ser Trp Phe Glu Phe Glu Trp Arg Leu Asp Ala Ile Glu Asn
1 5 10 15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu

```
            20                  25                  30

Tyr His Ile Ala Ala Phe Glu Asp Ser Leu Gln His Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Glu Trp Glu Ala His Ala Ile Gln
    50                  55                  60

Ser Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 676
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 676

```
Met Gly Ser Trp Tyr Glu Phe Asp Asp Arg Leu Glu Ala Ile Trp Asp
1               5                   10                  15

Arg Leu Gly Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Thr Ala Ala Asp Ile Arg
    50                  55                  60

Ala Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 677
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 677

Met Gly Ser Trp Gly Glu Phe Trp Ala Arg Leu Glu Ala Ile Trp Ile
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Glu Ala Ala Asp Ile Arg
    50   55   60

Arg Ser Leu Gln Ala Tyr Arg His Asn
65   70

<210> 678
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 678

Met Gly Ser Trp Ile Glu Phe Glu Val Arg Leu Asp Ala Ile Trp Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Asp Glu Ala Ala Asp Ile Arg
    50   55   60

Gln Ser Leu Gln Ala Tyr Arg His Asn

65 70

<210> 679
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 679

Met Gly Ser Trp Thr Glu Phe Asp Arg Arg Leu Asp Ala Ile Trp Asp
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Glu Ala Ala Asp Ile Arg
50 55 60

Asp Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 680
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 680

Met Gly Ser Trp Thr Glu Phe Asp Met Arg Leu Asp Ala Ile Trp Asp
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Glu Glu Ala Ala Thr Ile Arg
    50   55   60

Gly Val Leu Gln Ala Tyr Arg His Asn
65   70

<210> 681
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 681

Met Gly Ser Trp Glu Glu Phe His Asp Arg Leu Met Ala Ile Glu Thr
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Trp Leu Arg Tyr Glu Ala Ala Asp Ile Arg
    50   55   60

Asp Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 682
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 682

```
Met Gly Ser Trp Val Glu Phe Arg Asp Arg Leu Asp Ala Ile Glu Thr
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Trp Leu Arg Tyr Glu Ala Ala Glu Ile Arg
    50                  55                  60


Met Val Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 683
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 683

```
Met Gly Ser Trp Met Glu Phe Ile Asp Arg Leu Asp Ala Ile Glu His
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Phe Leu Arg Glu Glu Ala Ala Glu Ile Arg
    50                  55                  60


Met Tyr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 684
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 684

Met Gly Ser Trp Thr Glu Phe Val Trp Arg Leu Asp Ala Ile Glu Trp
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Glu Glu Ala Ala Glu Ile Arg
    50   55   60

Asp Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 685
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 685

Met Gly Ser Trp Val Glu Phe Tyr Asp Arg Leu Tyr Ala Ile Glu Val
1   5   10   15

Arg Leu Leu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Gln Glu Ala Ala Glu Ile Arg
    50   55   60

Asp Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 686
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 686

Met Gly Ser Trp Tyr Glu Phe Tyr Asp Arg Leu Asp Ala Ile Glu Trp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Trp Leu Arg Asp Glu Ala Ala Gln Ile Arg
    50   55   60

Asp Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 687
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 687

Met Gly Ser Trp Val Glu Phe Tyr Asp Arg Leu Asp Ala Ile Glu His
1   5   10   15

```
Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Trp Leu Arg Asp Glu Ala Ala Phe Ile Arg
    50                  55                  60


Asp Met Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  688
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  688

Met Gly Ser Trp Phe Glu Phe Val Asp Arg Leu Thr Ala Ile Gln Val
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Tyr Leu Arg Glu Glu Ala Ala Leu Ile Arg
    50                  55                  60


Tyr Ser Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  689
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 689

Met Gly Ser Trp Phe Glu Phe Leu Asp Arg Leu Asp Ala Ile Glu Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Glu Ala Ala Val Ile Arg
    50   55   60

Asp Ser Leu Gln Ala Tyr Arg His Asn
65   70

<210> 690
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 690

Met Gly Ser Trp Tyr Glu Phe Met Val Arg Leu Asp Ala Ile Glu Glu
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Glu Glu Ala Ala Ser Ile Arg
    50   55   60

Tyr His Leu Gln Ala Tyr Arg His Asn
65 70

<210> 691
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 691

Met Gly Ser Trp Tyr Glu Phe Glu Asp Arg Leu Asp Ala Ile Gln Trp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Phe Leu Arg Glu Ser Ala Ala Asn Ile Arg
50 55 60

Gln His Leu Gln Ala Tyr Arg His Asn
65 70

<210> 692
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 692

Met Gly Ser Trp Ser Glu Phe Glu Tyr Arg Leu Phe Ala Ile Glu Asn
1 5 10 15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Phe Leu Arg Glu Glu Ala Ala Met Ile Arg
    50                  55                  60

Gln Leu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 693
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 693

```
Met Gly Ser Trp Val Glu Phe Glu Tyr Arg Leu Asp Ala Ile Thr Glu
1               5                   10                  15

Arg Leu Leu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ile Leu Arg Glu Glu Ala Ala Phe Ile Arg
    50                  55                  60

Gln Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 694
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 694

Met Gly Ser Trp Trp Glu Phe Leu Asp Arg Leu Asp Ala Ile Glu Met
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Glu Glu Ala Ala Leu Ile Arg
    50   55   60

Asn Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 695
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 695

Met Gly Ser Trp Trp Glu Phe Glu Asp Arg Leu Asp Ala Ile Glu Tyr
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Glu Glu Ala Ala Phe Ile Arg
    50   55   60

Ile Phe Leu Gln Ala Tyr Arg His Asn

65 70

<210> 696
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 696

Met Gly Ser Trp Trp Glu Phe Glu Ser Arg Leu Asp Ala Ile Phe Met
1 5 10 15

Arg Leu Thr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Asp Leu Arg Glu Asp Ala Ala Phe Ile Arg
50 55 60

Glu Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 697
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 697

Met Gly Ser Trp Val Glu Phe Trp His Arg Leu Asp Ala Ile Lys Ala
1 5 10 15

Arg Leu Asn Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asp Leu Arg Trp Tyr Ala Ala Asp Phe Arg
    50   55   60

Leu Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 698
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 698

Met Gly Ser Trp Tyr Glu Phe Tyr Asn Arg Leu Ser Ala Ile Tyr Ala
1   5   10   15

Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asp Leu Arg Trp Tyr Ala Ala Asp Ile Arg
    50   55   60

Tyr Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 699
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 699

```
Met Gly Ser Trp Tyr Glu Phe Tyr Asp Arg Leu Ser Ala Ile Tyr Ala
1               5                   10                  15


Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Asp Leu Arg Trp Tyr Ala Ala Asp Ile Arg
    50                  55                  60


Tyr Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 700
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 700

```
Met Gly Ser Trp Asn Glu Phe Tyr Asp Arg Leu Ser Ala Ile Tyr Phe
1               5                   10                  15


Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu His Leu Arg Trp Tyr Ala Ala Asp Ile Arg
    50                  55                  60


Met Ile Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 701
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 701

Met Gly Ser Trp Asn Glu Phe Tyr Asp Arg Leu Ser Ala Ile Tyr Phe
1   5   10   15

Arg Leu Gln Ala Leu Gly Gly Phe Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu His Leu Arg Trp Tyr Ala Ala Asp Ile Arg
    50   55   60

Met Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 702
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 702

Met Gly Ser Trp Glu Glu Phe Tyr Asp Arg Leu Gly Ala Ile Phe Ala
1   5   10   15

Arg Leu His Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asp Leu Arg Trp Tyr Ala Ala Asp Ile Arg
    50   55   60

Met Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 703
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 703

Met Gly Ser Trp Val Glu Phe Tyr Asp Arg Leu His Ala Ile Tyr Phe
1   5   10   15

Arg Leu Leu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asp Leu Arg Trp Tyr Ala Ala Asp Ile Arg
    50   55   60

Leu Val Leu Gln Ala Tyr Arg His Asn
65   70

<210> 704
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 704

Met Gly Ser Trp Lys Glu Phe Asp Asn Arg Leu Tyr Ala Ile Glu Asp
1   5   10   15

```
Arg Leu Arg Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu His Leu Arg Trp Tyr Ala Ala Asp Ile Arg
    50                  55                  60


Met Ile Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  705
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  705

Met Gly Ser Trp Val Glu Phe Trp Asp Arg Leu Trp Ala Ile Glu Asp
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu His Leu Arg His Tyr Ala Ala Asp Ile Arg
    50                  55                  60


Val Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  706
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 706

Met Gly Ser Trp Tyr Glu Phe Ala Asp Arg Leu Trp Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Tyr Tyr Ala Ala Asp Ile Arg
    50   55   60

Trp Val Leu Gln Ala Tyr Arg His Asn
65   70

<210> 707
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 707

Met Gly Ser Trp Tyr Glu Phe Glu Glu Arg Leu Tyr Ala Ile Glu Asp
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Gln Glu Ala Ala Asp Ile Arg
    50   55   60

Leu Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 708
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 708

Met Gly Ser Trp Thr Glu Phe Glu Trp Arg Leu Tyr Ala Ile Glu Asp
1 5 10 15

Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Phe Leu Arg Asp Glu Ala Ala Asp Ile Arg
50 55 60

Gln Tyr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 709
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 709

Met Gly Ser Trp Ile Glu Phe Glu Ser Arg Leu Trp Ala Ile Glu Asp
1 5 10 15

Arg Leu Leu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Phe Leu Arg Leu Glu Ala Ala Asp Ile Arg
    50                  55                  60

Glu Asp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 710
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 710

```
Met Gly Ser Trp Phe Glu Phe Glu Asp Arg Leu Asp Ala Ile Trp Asp
1               5                   10                  15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Phe Leu Arg Met Asp Ala Ala Met Ile Arg
    50                  55                  60

Tyr Ile Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 711
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 711

Met Gly Ser Trp Glu Glu Phe Glu Asp Arg Leu Trp Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ile Leu Arg Tyr Asp Ala Ala Tyr Ile Arg
    50   55   60

Glu Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 712
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 712

Met Gly Ser Trp Ile Glu Phe Glu Asp Arg Leu Tyr Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Tyr Glu Ala Ala Glu Ile Arg
    50   55   60

Tyr Trp Leu Gln Ala Tyr Arg His Asn

65 70

<210> 713
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 713

Met Gly Ser Trp Tyr Glu Phe Trp Asp Arg Leu Glu Ala Ile Glu Asp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Phe Leu Arg Tyr Ser Ala Ala Glu Ile Arg
50 55 60

Tyr Gln Leu Gln Ala Tyr Arg His Asn
65 70

<210> 714
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 714

Met Gly Ser Trp Val Glu Phe Glu Ser Arg Leu Ala Ala Ile Glu His
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Glu Tyr Ala Ala Glu Ile Arg
    50   55   60

Asp Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 715
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 715

Met Gly Ser Trp Trp Glu Phe Glu His Arg Leu Phe Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Asp Tyr Ala Ala Glu Ile Arg
    50   55   60

Asp Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 716
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 716

```
Met Gly Ser Trp Tyr Glu Phe Asp Ser Arg Leu Met Ala Ile Glu Asp
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Tyr Leu Arg Gln Glu Ala Ala Glu Ile Arg
    50                  55                  60


Met Ile Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  717
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  717

Met Gly Ser Trp Tyr Glu Phe Glu Trp Arg Leu Met Ala Ile Glu Asp
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Tyr Leu Arg His Glu Ala Ala Glu Ile Arg
    50                  55                  60


Asp Val Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 718
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 718

Met Gly Ser Trp Tyr Glu Phe Tyr Asn Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Gln Glu Ala Ala Asp Ile Arg
    50   55   60

Gly Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 719
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 719

Met Gly Ser Trp Trp Glu Phe His Asp Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Ile Glu Ala Ala Asp Ile Arg
    50   55   60

Arg Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 720
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 720

Met Gly Ser Trp Tyr Glu Phe Trp Asp Arg Leu Glu Ala Ile Glu Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Leu Glu Ala Ala Asp Ile Arg
    50   55   60

Arg Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 721
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 721

Met Gly Ser Trp Tyr Glu Phe Glu Glu Arg Leu Trp Ala Ile Glu Glu
1   5   10   15

```
Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Tyr Leu Arg Tyr Glu Ala Ala Trp Ile Arg
    50                  55                  60


Asp Phe Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  722
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  722

Met Gly Ser Trp Tyr Glu Phe Glu Asn Arg Leu Glu Ala Ile Glu Glu
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Met Leu Arg Glu Glu Ala Ala Phe Ile Arg
    50                  55                  60


Asp Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  723
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 723

Met Gly Ser Trp Tyr Glu Phe Glu Tyr Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Glu Glu Ala Ala Trp Ile Arg
    50   55   60

Val Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 724
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 724

Met Gly Ser Trp Tyr Glu Phe Glu Asn Arg Leu Gly Ala Ile Gly Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Trp Leu Arg Asp Glu Ala Ala Tyr Ile Arg
    50   55   60

Ala Val Leu Gln Ala Tyr Arg His Asn
65 70

<210> 725
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 725

Met Gly Ser Trp Tyr Glu Phe Glu His Arg Leu Asp Ala Ile Tyr Asp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Glu Ala Ala Trp Ile Arg
50 55 60

Leu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 726
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 726

Met Gly Ser Trp Tyr Glu Phe Glu Trp Arg Leu Asp Ala Ile Tyr Asp
1 5 10 15

Arg Leu Gly Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Asp Ala Ala Glu Ile Arg
    50                  55                  60

Ala Leu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 727
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 727

```
Met Gly Ser Trp Val Glu Phe Glu Asn Arg Leu Glu Ala Ile Glu Asn
1               5                   10                  15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Asp Ala Ala Gln Ile Arg
    50                  55                  60

Met Met Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 728
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 728

Met Gly Ser Trp Tyr Glu Phe Glu Glu Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Trp Leu Arg Glu Gln Ala Ala Phe Ile Arg
    50   55   60

Thr Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 729
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 729

Met Gly Ser Trp Phe Glu Phe Glu Trp Arg Leu Glu Ala Ile Phe Asp
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Val Leu Arg Ala Glu Ala Ala Glu Ile Arg
    50   55   60

Leu Arg Leu Gln Ala Tyr Arg His Asn

65 70

<210> 730
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 730

Met Gly Ser Trp Trp Glu Phe Glu Asp Arg Leu Met Ala Ile Tyr Asp
1 5 10 15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Ala Glu Ala Ala Leu Ile Arg
50 55 60

Glu Thr Leu Gln Ala Tyr Arg His Asn
65 70

<210> 731
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 731

Met Gly Ser Trp Phe Glu Phe Glu Asp Arg Leu Tyr Ala Ile Glu Asp
1 5 10 15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Trp Gly Ala Ala Thr Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 732
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 732

Met Gly Ser Trp Ile Glu Phe Trp Asp Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Asp Glu Ala Ala Trp Ile Arg
    50   55   60

Asp Ser Leu Gln Ala Tyr Arg His Asn
65   70

<210> 733
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 733

```
Met Gly Ser Trp Phe Glu Phe Trp Asp Arg Leu Asp Ala Ile Glu Asp
1               5                   10                  15


Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Glu Leu Arg Asp Glu Ala Ala Trp Ile Arg
    50                  55                  60


Gly Thr Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 734
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 734

```
Met Gly Ser Trp Glu Glu Phe Thr Asp Arg Leu Trp Ala Ile Glu Asp
1               5                   10                  15


Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Trp Leu Arg Asp Glu Ala Ala Phe Ile Arg
    50                  55                  60


Lys Ser Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 735
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 735

Met Gly Ser Trp Val Glu Phe Val Asp Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Asp Gln Ala Ala Tyr Ile Arg
    50   55   60

Phe Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 736
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 736

Met Gly Ser Trp Phe Glu Phe Val Asp Arg Leu Glu Ala Ile Glu Met
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Leu Leu Arg Trp Arg Ala Ala Met Ile Arg
    50   55   60

Tyr Asp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 737
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 737

Met Gly Ser Trp Trp Glu Phe Glu Met Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Trp Glu Ala Ala Phe Ile Arg
    50   55   60

Asp Ile Leu Gln Ala Tyr Arg His Asn
65   70

<210> 738
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 738

Met Gly Ser Trp Phe Glu Phe Glu Ile Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

```
Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Phe Leu Arg Asp Glu Ala Ala Glu Ile Arg
    50                  55                  60


Gln Val Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  739
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  739

Met Gly Ser Trp Tyr Glu Phe Tyr Gln Arg Leu Glu Ala Ile Glu Asp
1               5                   10                  15


Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Trp Leu Arg Asp Glu Ala Ala Glu Ile Arg
    50                  55                  60


Val Val Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  740
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 740

Met Gly Ser Trp Ile Glu Phe Glu Asp Arg Leu Glu Ala Ile Glu Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Trp Leu Arg Gln Glu Ala Ala Glu Ile Arg
    50   55   60

Leu Met Leu Gln Ala Tyr Arg His Asn
65   70

<210> 741
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 741

Met Gly Ser Trp His Glu Phe Tyr Asp Arg Leu Asp Ala Ile Tyr Phe
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Leu Leu Arg Leu Leu Ala Ala Glu Ile Arg
    50   55   60

Lys Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 742
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 742

Met Gly Ser Trp His Glu Phe Ile Thr Arg Leu Glu Ala Ile Asp Gln
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Phe Trp Ala Ala Glu Ile Arg
50 55 60

Phe Ile Leu Gln Ala Tyr Arg His Asn
65 70

<210> 743
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 743

Met Gly Ser Trp Met Glu Phe Phe Asp Arg Leu Val Ala Ile Asp Glu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Met Trp Ala Ala Glu Ile Arg
    50                  55                  60

Phe Leu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 744
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 744

```
Met Gly Ser Trp Val Glu Phe Ser Gly Arg Leu Ile Ala Ile Asp Asn
1               5                   10                  15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Met Trp Ala Ala Glu Ile Arg
    50                  55                  60

Tyr Ile Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 745
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 745

Met Gly Ser Trp Val Glu Phe His His Arg Leu Phe Ala Ile Asp Glu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Met Val Ala Ala Glu Ile Arg
50 55 60

Tyr Ile Leu Gln Ala Tyr Arg His Asn
65 70

<210> 746
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 746

Met Gly Ser Trp His Glu Phe Met Glu Arg Leu Ile Ala Ile Asp Gly
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Phe Val Ala Ala Phe Ile Arg
50 55 60

Asp Val Leu Gln Ala Tyr Arg His Asn

65 70

<210> 747
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 747

Met Gly Ser Trp Lys Glu Phe Ile Gln Arg Leu Asp Ala Ile His Tyr
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Phe Val Ala Ala Phe Ile Arg
50 55 60

Phe Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 748
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 748

Met Gly Ser Trp Ser Glu Phe Ile Phe Arg Leu Asp Ala Ile His Ser
1 5 10 15

Arg Leu Gln Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Phe Ile Ala Ala Glu Ile Arg
    50   55   60

Leu Lys Leu Gln Ala Tyr Arg His Asn
65   70

<210> 749
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 749

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asn Leu Arg Val His Ala Ala Ala Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 750
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 750

```
Met Gly Ser Trp Leu Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Asn Leu Arg Val His Ala Ala Ala Ile Arg
    50                  55                  60


Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 751
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 751

```
Met Gly Ser Trp Phe Glu Phe Tyr His Arg Leu Asn Ala Ile Asp Ala
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Asn Leu Arg Val His Ala Ala Ala Ile Arg
    50                  55                  60


Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 752
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 752

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asn Leu Arg Val His Ala Ala Ala Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 753
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 753

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Val His Ala Ala Ala Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 754
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 754

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asn Leu Arg Asp His Ala Ala Ala Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 755
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 755

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

```
Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Asn Leu Arg Glu His Ala Ala Ala Ile Arg
    50                  55                  60


Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  756
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  756

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Asn Leu Arg Val His Ala Ala His Ile Arg
    50                  55                  60


Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  757
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 757

Met Gly Ser Trp Leu Glu Phe Tyr His Arg Leu Asn Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asn Leu Arg Val His Ala Ala Ala Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 758
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 758

Met Gly Ser Trp Leu Glu Phe Tyr His Arg Leu Asn Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Asp His Ala Ala His Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 759
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 759

Met Gly Ser Trp Phe Glu Phe Tyr His Arg Leu Asn Ala Ile Asp Ser
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Asp His Ala Ala His Ile Arg
50 55 60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 760
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 760

Met Gly Ser Trp Leu Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ser
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ser Leu Arg Asp His Ala Ala His Ile Arg
    50                  55                  60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 761
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 761

```
Met Gly Ser Trp Leu Glu Phe Tyr His Arg Leu Asn Ala Ile Asp Ala
1               5                   10                  15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ser Leu Arg Asp His Ala Ala His Ile Arg
    50                  55                  60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 762
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 762

Met Gly Ser Trp Leu Glu Phe Tyr His Arg Leu Asn Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asn Leu Arg Asp His Ala Ala His Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 763
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 763

Met Gly Ser Trp Leu Glu Phe Tyr His Arg Leu Asn Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Val His Ala Ala His Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn

65 70

<210> 764
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 764

Met Gly Ser Trp Leu Glu Phe Tyr His Arg Leu Asn Ala Ile Asp Ser
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Asp His Ala Ala Ala Ile Arg
50 55 60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 765
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 765

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Asp His Ala Ala His Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 766
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 766

Met Gly Ser Trp Phe Glu Phe Tyr Glu Arg Leu Asn Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Lys Leu Arg Ala His Ala Ala Ser Ile Arg
    50   55   60

Thr Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 767
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 767

```
Met Gly Ser Trp Ile Glu Phe Tyr Trp Arg Leu Glu Ala Ile Asp Gln
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Asp Leu Arg Val His Ala Ala Ala Ile Arg
    50                  55                  60


Trp Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  768
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  768

Met Gly Ser Trp Ser Glu Phe Val Lys Arg Leu Asp Ala Ile Asp Gln
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ser Leu Arg Val His Ala Ala Ala Ile Arg
    50                  55                  60


Ala Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 769
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 769

Met Gly Ser Trp Glu Glu Phe Tyr Tyr Arg Leu Glu Ala Ile Asp Ala
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Val His Ala Ala His Ile Arg
    50   55   60

Asp Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 770
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 770

Met Gly Ser Trp Val Glu Phe His Tyr Arg Leu Gln Ala Ile Asp Ala
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Val His Ala Ala His Ile Arg
    50   55   60

Lys Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 771
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 771

Met Gly Ser Trp Val Glu Phe Val Gly Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg His His Ala Ala Glu Ile Arg
    50   55   60

Asn Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 772
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 772

Met Gly Ser Trp Asn Glu Phe Met Asp Arg Leu Asn Ala Ile Asp Asn
1   5   10   15

```
Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Asn Leu Arg Lys Gln Ala Ala Ser Ile Arg
    50                  55                  60


Leu Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  773
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  773

Met Gly Ser Trp Asn Glu Phe Phe Gln Arg Leu Asn Ala Ile Asp Glu
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Asp Leu Arg Gln His Ala Ala Asn Ile Arg
    50                  55                  60


Trp Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  774
<211>  73
<212>  PRT
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<213> Artificial sequence

<220>
<223> synthetic construct

<400> 774

Met Gly Ser Trp Tyr Glu Phe Val Val Arg Leu Phe Ala Ile Asp Glu
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Glu His Ala Ala His Ile Arg
    50   55   60

Ser Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 775
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 775

Met Gly Ser Trp Tyr Glu Phe Tyr Leu Arg Leu Asp Ala Ile Asp His
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Met Leu Arg Glu His Ala Ala His Ile Arg
    50   55   60

Lys Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 776
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 776

Met Gly Ser Trp Tyr Glu Phe Arg Ala Arg Leu Leu Ala Ile Asp Glu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu His Leu Arg Glu His Ala Ala His Ile Arg
50 55 60

Asn Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 777
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 777

Met Gly Ser Trp Thr Glu Phe Trp His Arg Leu Glu Ala Ile Asp Ser
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ser Leu Arg Glu His Ala Ala His Ile Arg
    50                  55                  60

Val Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 778
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 778

```
Met Gly Ser Trp Thr Glu Phe Gln Asn Arg Leu Asn Ala Ile Asp His
1               5                   10                  15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ser Leu Arg Glu His Ala Ala Lys Ile Arg
    50                  55                  60

Val Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 779
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 779

Met Gly Ser Trp Ser Glu Phe Phe Lys Arg Leu Glu Ala Ile Asp Arg
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Glu His Ala Ala His Ile Arg
    50   55   60

Val Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 780
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 780

Met Gly Ser Trp Tyr Glu Phe Gln Gln Arg Leu Glu Ala Ile Asp Thr
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Glu His Ala Ala His Ile Arg
    50   55   60

His Trp Leu Gln Ala Tyr Arg His Asn

65 70

<210> 781
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 781

Met Gly Ser Trp Thr Glu Phe Glu Lys Arg Leu His Ala Ile Asp Tyr
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Asp Leu Arg Glu His Ala Ala Ala Ile Arg
50 55 60

His Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 782
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 782

Met Gly Ser Trp Thr Glu Phe His Gln Arg Leu Asp Ala Ile Asp Glu
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Phe Leu Arg Glu His Ala Ala Lys Ile Arg
    50   55   60

Met Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 783
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 783

Met Gly Ser Trp Leu Glu Phe Ser Gln Arg Leu Thr Ala Ile Asp Ser
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asn Leu Arg Glu His Ala Ala Lys Ile Arg
    50   55   60

Asn Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 784
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 784

```
Met Gly Ser Trp Thr Glu Phe Val Asn Arg Leu Tyr Ala Ile Asp Ser
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Gly Leu Arg Thr His Ala Ala Lys Ile Arg
    50                  55                  60


His Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  785
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  785

Met Gly Ser Trp Met Glu Phe Val Asp Arg Leu Ser Ala Ile Asp Arg
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Val Leu Arg Glu His Ala Ala Asn Ile Arg
    50                  55                  60


Gln Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 786
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 786

Met Gly Ser Trp Val Glu Phe Val Ser Arg Leu Tyr Ala Ile Asp Phe
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Glu His Ala Ala Gln Ile Arg
    50   55   60

Asp Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 787
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 787

Met Gly Ser Trp Ser Glu Phe His Thr Arg Leu Asp Ala Ile Asp Thr
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Asp Leu Arg Arg His Ala Ala Ala Ile Arg
    50   55   60

Phe Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 788
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 788

Met Gly Ser Trp Leu Glu Phe His Ser Arg Leu Asp Ala Ile Asp Thr
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Lys Leu Arg Glu His Ala Ala Ala Ile Arg
    50   55   60

His Tyr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 789
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 789

Met Gly Ser Trp Thr Glu Phe Tyr Gln Arg Leu Asp Ala Ile Asp Thr
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Gly Leu Arg Gln Gln Ala Ala Gln Ile Arg
    50   55   60

Ala Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 790
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 790

Met Gly Ser Trp Ala Glu Phe Ser Asp Arg Leu Asn Ala Ile Asp Gln
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ile Leu Arg Glu His Ala Ala Glu Ile Arg
    50   55   60

Lys Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 791
<211> 73
<212> PRT

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 791

Met Gly Ser Trp Met Glu Phe Asn His Arg Leu Gln Ala Ile Asp Gly
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Met Leu Arg Glu His Ala Ala Ala Ile Arg
    50   55   60

Ala Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 792
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 792

Met Gly Ser Trp Tyr Glu Phe Tyr Lys Arg Leu Glu Ala Ile Asp Asn
1   5   10   15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Tyr Leu Arg Glu His Ala Ala Ala Ile Arg
    50   55   60

His Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 793
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 793

Met Gly Ser Trp Tyr Glu Phe Tyr Tyr Arg Leu Glu Ala Ile Asp Asn
1 5 10 15

Arg Leu Ile Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Val Leu Arg Glu His Ala Ala Lys Ile Arg
50 55 60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 794
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 794

Met Gly Ser Trp Tyr Glu Phe Val Ser Arg Leu Glu Ala Ile Asp Asp
1 5 10 15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Met Leu Arg Gln His Ala Ala Ala Ile Arg
    50                  55                  60

His Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 795
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 795

```
Met Gly Ser Trp Tyr Glu Phe Ser His Arg Leu Glu Ala Ile Glu Asp
1               5                   10                  15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Pro Leu Arg Glu His Ala Ala Tyr Ile Arg
    50                  55                  60

His Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 796
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 796

Met Gly Ser Trp Phe Glu Phe Phe Glu Arg Leu Ala Ala Ile Glu Asp
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Val His Ala Ala Ala Ile Arg
50 55 60

Ala Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 797
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 797

Met Gly Ser Trp Ile Glu Phe Lys Tyr Arg Leu Asp Ala Ile Glu Trp
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Ile His Ala Ala Ala Ile Arg
50 55 60

Thr Trp Leu Gln Ala Tyr Arg His Asn

65 70

<210> 798
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 798

Met Gly Ser Trp Tyr Glu Phe Met Tyr Arg Leu Asp Ala Ile Glu Tyr
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Ile His Ala Ala Met Ile Arg
50 55 60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 799
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 799

Met Gly Ser Trp Val Glu Phe Val Thr Arg Leu Glu Ala Ile Glu Asp
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu His Leu Arg Ala His Ala Ala His Ile Arg
    50   55   60

His Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 800
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 800

Met Gly Ser Trp Tyr Glu Phe Val Ile Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu His Leu Arg Val His Ala Ala His Ile Arg
    50   55   60

Val Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 801
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 801

```
Met Gly Ser Trp Val Glu Phe Val Glu Arg Leu Asp Ala Ile Glu Phe
1               5                   10                  15


Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Lys Leu Arg Asn His Ala Ala His Ile Arg
    50                  55                  60


Ser Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 802
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 802

```
Met Gly Ser Trp Ser Glu Phe Val His Arg Leu Asp Ala Ile Glu Val
1               5                   10                  15


Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Glu Leu Arg Tyr His Ala Ala Lys Ile Arg
    50                  55                  60


Ser Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 803
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 803

Met Gly Ser Trp Ser Glu Phe Tyr Tyr Arg Leu Ala Ala Ile Glu Ser
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Arg Leu Arg Glu His Ala Ala His Ile Arg
50 55 60

Arg Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 804
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 804

Met Gly Ser Trp Tyr Glu Phe Tyr Leu Arg Leu Ser Ala Ile Glu Asp
1 5 10 15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Val Gln Ala Ala His Ile Arg
    50   55   60

Thr Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 805
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 805

Met Gly Ser Trp Tyr Glu Phe Tyr Asp Arg Leu Asp Ala Ile Glu Asp
1   5   10   15

Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Asp Gln Ala Ala Tyr Ile Arg
    50   55   60

Thr Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 806
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 806

Met Gly Ser Trp His Glu Phe Trp Val Arg Leu Glu Ala Ile Glu Ser
1   5   10   15

```
Arg Leu Phe Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ser Leu Arg Val Gln Ala Ala His Ile Arg
    50                  55                  60


Ser Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  807
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  807

Met Gly Ser Trp Val Glu Phe Tyr His Arg Leu Glu Ala Ile Glu Gln
1               5                   10                  15


Arg Leu Met Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ser Leu Arg Glu Gln Ala Ala Ala Ile Arg
    50                  55                  60


Ser Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  808
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 808

Met Gly Ser Trp Val Glu Phe Tyr Glu Arg Leu Asn Ala Ile Glu Tyr
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Glu His Ala Ala Tyr Ile Arg
    50   55   60

Gln Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 809
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 809

Met Gly Ser Trp Val Glu Phe Tyr His Arg Leu Asp Ala Ile Phe Asp
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Ala Asn Ala Ala Gly Ile Arg
    50   55   60

Ser Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 810
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 810

Met Gly Ser Trp Ser Glu Phe Thr Asp Arg Leu Phe Ala Ile Glu Asp
1 5 10 15

Arg Leu Leu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Asp Leu Arg Met His Ala Ala Ser Ile Arg
50 55 60

Leu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 811
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 811

Met Gly Ser Trp His Glu Phe Tyr Asp Arg Leu Tyr Ala Ile Trp Asp
1 5 10 15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Gly Leu Arg Asn Ala Ala Ala Val Ile Arg
    50                  55                  60

Ile Phe Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 812
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 812

```
Met Gly Ser Trp Phe Glu Phe Ser Asn Arg Leu Tyr Ala Ile Trp His
1               5                   10                  15

Arg Leu Thr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ser Leu Arg Thr Gln Ala Ala Phe Ile Arg
    50                  55                  60

Ile Leu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 813
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 813

Met Gly Ser Trp Phe Glu Phe Ser Asp Arg Leu Tyr Ala Ile Trp Glu
1   5   10   15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Phe Gln Ala Ala Phe Ile Arg
    50   55   60

Tyr Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 814
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 814

Met Gly Ser Trp Phe Glu Phe Glu Asp Arg Leu Phe Ala Ile Trp Thr
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Gln Ser Ala Ala Ser Ile Arg
    50   55   60

Trp Leu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 815
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 815

Met Gly Ser Trp His Glu Phe Ser Glu Arg Leu Phe Ala Ile Trp Thr
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Gln Ser Ala Ala Phe Ile Arg
50 55 60

Val Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 816
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 816

Met Gly Ser Trp Gly Glu Phe Thr Val Arg Leu Tyr Ala Ile Asp Arg
1 5 10 15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Glu Leu Arg Arg Phe Ala Ala Ile Ile Arg
    50   55   60

Ala Phe Leu Gln Ala Tyr Arg His Asn
65   70

<210> 817
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 817

Met Gly Ser Trp Tyr Glu Phe Asp His Arg Leu Met Ala Ile Ser Phe
1   5   10   15

Arg Leu Val Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Thr Leu Arg Arg Arg Ala Ala Asn Ile Arg
    50   55   60

His Leu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 818
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 818

```
Met Gly Ser Trp Ser Ile Phe Lys Tyr His Leu Ala Asp Ile Lys Leu
1               5                   10                  15


Leu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Phe Leu Ile Ala Asp Phe Glu Phe Thr Leu Gln Asp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 819
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 819

```
Met Gly Ser Trp His His Phe Lys Tyr Phe Leu Ala Asp Ile Lys Ser
1               5                   10                  15


Ile Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20                  25                  30


Val Gln Ile Ala Tyr Phe Glu Asp Leu Leu Gln Ser Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 820
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 820

Met Gly Ser Trp Leu Tyr Phe Lys Tyr Asn Leu Ala Val Ile Lys His
1   5   10   15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20   25   30

Met Ser Ile Ala Asp Phe Glu Tyr Glu Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 821
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 821

Met Gly Ser Trp Phe Tyr Phe Lys Tyr Glu Leu Ala Trp Ile Lys His
1   5   10   15

Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu
            20   25   30

Thr His Ile Ala Phe Phe Glu His Gln Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 822
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 822

Met Gly Ser Trp Ala Asp Phe Lys Trp Thr Leu Ala Tyr Ile Lys His
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Met Glu Ile Ala Tyr Phe Glu Gln Ser Leu Gln Asn Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 823
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 823

Met Gly Ser Trp Ala Tyr Phe Lys Gly Gln Leu Ala Tyr Ile Lys Ser
1   5   10   15

```
Gly Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20                  25                  30


Leu Arg Ile Ala Tyr Phe Glu His Trp Leu Gln Asn Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  824
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  824

Met Gly Ser Trp Glu Asn Phe Lys Asp Thr Leu Ala Trp Ile Lys Glu
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20                  25                  30


His Arg Ile Ala Ile Phe Glu His Tyr Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  825
<211>  73
<212>  PRT
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<213> Artificial sequence

<220>
<223> synthetic construct

<400> 825

Met Gly Ser Trp Val Leu Phe Lys Asp Tyr Leu Ala Asp Ile Lys His
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20   25   30

His Leu Ile Ala Asn Phe Glu Gly Asp Leu Gln Thr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 826
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 826

Met Gly Ser Trp Ser Leu Phe Lys His Arg Leu Ala Asn Ile Lys Val
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Thr Phe Ile Ala Tyr Phe Glu Lys Asp Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 827
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 827

Met Gly Ser Trp Glu His Phe Lys Val Glu Leu Ala Gly Ile Lys Ala
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
20 25 30

Trp Ala Ile Ala Asp Phe Glu Ser Ile Leu Gln Asp Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 828
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 828

Met Gly Ser Trp Ile Tyr Phe Lys Asp Glu Leu Ala Gly Ile Lys Lys
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu

20 25 30

Val Ala Ile Ala Asp Phe Glu Ala Ile Leu Gln Lys Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 829
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 829

Met Gly Ser Trp Val Leu Phe Lys Gln Glu Leu Ala Trp Ile Lys Trp
1 5 10 15

Leu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Glu Gln Ile Ala Arg Phe Glu His Asp Leu Gln Lys Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 830
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 830

Met Gly Ser Trp Val Leu Phe Lys Gln Glu Leu Ala Trp Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Trp Glu Ile Ala Ala Phe Glu Gln Arg Leu Gln Ile Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 831
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 831

Met Gly Ser Trp Phe Leu Phe Lys Ser Glu Leu Ala Trp Ile Lys Trp
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Tyr Gln Ile Ala Glu Phe Glu Phe Trp Leu Gln Ser Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 832
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 832

Met Gly Ser Trp Leu Leu Phe Lys Ser Glu Leu Ala Trp Ile Lys Trp
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Trp Asn Ile Ala Glu Phe Glu Lys Asn Leu Gln Lys Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 833
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 833

Met Gly Ser Trp Leu Leu Phe Lys Ser Asp Leu Ala Trp Ile Lys Trp
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Glu Ser Ile Ala Met Phe Glu His Trp Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 834
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 834

Met Gly Ser Trp Leu Tyr Phe Lys Ser Asp Leu Ala Trp Ile Lys Trp
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20   25   30

Glu Ala Ile Ala Glu Phe Glu Gln Ala Leu Gln Ile Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 835
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 835

```
Met Gly Ser Trp Lys Leu Phe Lys Tyr Glu Leu Ala Trp Ile Lys Trp
1               5                   10                  15


Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30


Ala Ser Ile Ala Gln Phe Glu Lys Tyr Leu Gln Thr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  836
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  836

Met Gly Ser Trp Tyr Leu Phe Lys Asn Glu Leu Ala Trp Ile Lys Trp
1               5                   10                  15


Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30


Met Val Ile Ala Met Phe Glu Asp His Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 837
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 837

Met Gly Ser Trp Val Tyr Phe Lys Ala His Leu Ala Phe Ile Lys Trp
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20   25   30

Ser Thr Ile Ala Glu Phe Glu Lys Tyr Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 838
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 838

Met Gly Ser Trp Met Tyr Phe Lys Ser His Leu Ala Trp Ile Lys Trp
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
            20   25   30

Asp Asn Ile Ala Gln Phe Glu Tyr Trp Leu Gln Leu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 839
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 839

Met Gly Ser Trp Thr Leu Phe Lys Trp Asp Leu Ala Phe Ile Lys Trp
1   5   10   15

Gln Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20   25   30

Tyr Glu Ile Ala Ala Phe Glu Asp Ser Leu Gln Asn Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 840
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 840

Met Gly Ser Trp Ile Leu Phe Lys Glu Asp Leu Ala Phe Ile Lys Trp
1   5   10   15

```
Gln Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
            20                  25                  30


Thr Thr Ile Ala Asn Phe Glu Ser Asp Leu Gln Lys Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  841
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  841

Met Gly Ser Trp Tyr Phe Phe Lys Ser Arg Leu Ala Tyr Ile Lys Val
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gly Phe Glu
            20                  25                  30


Trp Glu Ile Ala His Phe Glu Glu Trp Leu Gln Arg Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  842
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 842

Met Gly Ser Trp Tyr Ile Phe Lys Ser Glu Leu Ala Trp Ile Lys Trp
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20   25   30

Val Glu Ile Ala Thr Phe Glu Thr Trp Leu Gln Gly Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 843
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 843

Met Gly Ser Trp Tyr Ile Phe Lys Gln Glu Leu Ala Ser Ile Lys Leu
1   5   10   15

Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Ala Glu Ile Ala Trp Phe Glu Trp Trp Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 844
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 844

Met Gly Ser Trp Val Arg Phe Lys Thr Glu Leu Ala Tyr Ile Lys Glu
1 5 10 15

Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
20 25 30

Ser Glu Ile Ala Ile Phe Glu His Ser Leu Gln Thr Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 845
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 845

Met Gly Ser Trp Tyr Leu Phe Lys Thr Glu Leu Ala Ala Ile Lys Tyr
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ser Phe Glu

```
            20                  25                  30

Tyr Glu Ile Ala Trp Phe Glu His Ile Leu Gln Phe Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 846
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 846

```
Met Gly Ser Trp Tyr Trp Phe Lys Tyr Glu Leu Ala Glu Ile Lys Trp
1               5                   10                  15

His Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20                  25                  30

His Ser Ile Ala Val Phe Glu Ser Gln Leu Gln Gln Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 847
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 847

Met Gly Ser Trp Trp Val Phe Lys Lys Thr Leu Ala Glu Ile Lys Trp
1   5   10   15

Thr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Ala Glu Ile Ala Phe Phe Glu Phe Ile Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 848
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 848

Met Gly Ser Trp Val Tyr Phe Lys Asp His Leu Ala Glu Ile Lys Ser
1   5   10   15

Gln Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
            20   25   30

Tyr Asp Ile Ala Trp Phe Glu Phe Ile Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 849
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 849

Met Gly Ser Trp Val Tyr Phe Lys His Arg Leu Ala Glu Ile Lys Asp
1 5 10 15

Gln Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Thr Asp Ile Ala Trp Phe Glu Trp Met Leu Gln Tyr Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 850
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 850

Met Gly Ser Trp Ile Ile Phe Lys Thr Asp Leu Ala Arg Ile Lys Asn
1 5 10 15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Thr Phe Glu
20 25 30

Arg Asp Ile Ala Trp Phe Glu Phe Met Leu Gln Ile Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 851
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 851

Met Gly Ser Trp Met His Phe Lys Gln Asp Leu Ala Glu Ile Lys Gly
1   5   10   15

Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20   25   30

Met Asp Ile Ala Trp Phe Glu Tyr Met Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 852
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 852

```
Met Gly Ser Trp Gln Ile Phe Lys Gln Asp Leu Ala Ala Ile Lys Asp
1               5                   10                  15


Tyr Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20                  25                  30


Phe Asp Ile Ala Trp Phe Glu His Met Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 853
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 853

```
Met Gly Ser Trp Leu Ala Phe Lys Glu Asp Leu Ala His Ile Lys Ser
1               5                   10                  15


Ile Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20                  25                  30


His Asp Ile Ala Trp Phe Glu Tyr Met Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 854
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 854

Met Gly Ser Trp Phe Val Phe Lys Glu Asp Leu Ala Gly Ile Lys Phe
1   5   10   15

Ile Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Thr Asp Ile Ala Trp Phe Glu Tyr Met Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 855
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 855

Met Gly Ser Trp Thr His Phe Lys Glu Asp Leu Ala His Ile Lys Asp
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Leu Asp Ile Ala Trp Phe Glu Phe Met Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 856
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 856

Met Gly Ser Trp Tyr Tyr Phe Lys Glu Arg Leu Ala Ala Ile Lys Asp
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20   25   30

Ala Asp Ile Ala Trp Phe Glu Phe Met Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 857
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 857

Met Gly Ser Trp Tyr Thr Phe Lys Gly Ser Leu Ala Glu Ile Lys Asn
1   5   10   15

```
Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20                  25                  30


Ser Asp Ile Ala Trp Phe Glu Phe Met Leu Gln Phe Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  858
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  858

Met Gly Ser Trp Phe Thr Phe Lys Asp Asp Leu Ala Gln Ile Lys Asn
1               5                   10                  15


Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20                  25                  30


Met Ser Ile Ala Trp Phe Glu Phe Met Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  859
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 859

Met Gly Ser Trp Val Leu Phe Lys Gln Asp Leu Ala Met Ile Lys Gln
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu
            20   25   30

Tyr Asp Ile Ala Trp Phe Glu His Met Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 860
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 860

Met Gly Ser Trp Val Glu Phe Lys Arg Asp Leu Ala Asn Ile Lys Gln
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20   25   30

Met Gln Ile Ala Trp Phe Glu His Thr Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 861
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 861

Met Gly Ser Trp Ser Tyr Phe Lys Glu Asp Leu Ala Asn Ile Lys Ser
1 5 10 15

Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Trp Phe Glu
20 25 30

Ser Ser Ile Ala Trp Phe Glu His Thr Leu Gln Tyr Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 862
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 862

Met Gly Ser Trp Ser Ile Phe Lys Gln Asp Leu Ala Asp Ile Lys Asp
1 5 10 15

Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Met Phe Glu

```
            20                  25                  30

Met Asp Ile Ala Trp Phe Glu His Thr Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 863
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 863

```
Met Gly Ser Trp Glu Ile Phe Lys Asp Asp Leu Ala Ser Ile Lys Lys
1               5                   10                  15

Val Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
            20                  25                  30

Ser Asp Ile Ala Trp Phe Glu Leu Met Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 864
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 864

Met Gly Ser Trp Ser Ile Phe Lys Asp Asp Leu Ala Val Ile Lys Glu
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu
            20   25   30

Gln Asp Ile Ala Trp Phe Glu His Leu Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 865
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 865

Met Gly Ser Trp Ser Val Phe Lys Asp Asp Leu Ala Gln Ile Lys Asp
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20   25   30

Leu Asp Ile Ala Trp Phe Glu Tyr Val Leu Gln Phe Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 866
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 866

Met Gly Ser Trp Ala Val Phe Lys Asp Ser Leu Ala His Ile Lys Asp
1 5 10 15

Val Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Leu Phe Glu
20 25 30

Met Asp Ile Ala Trp Phe Glu Tyr Val Leu Gln Asp Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 867
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 867

Met Gly Ser Trp Ile Ala Phe Lys Asp His Leu Ala Ile Ile Lys Gln
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Arg Phe Glu
20 25 30

Phe Glu Ile Ala Trp Phe Glu Trp Met Leu Gln Tyr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 868
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 868

Met Gly Ser Trp Ile His Phe Lys Asn Asp Leu Ala Val Ile Lys Asp
1   5   10   15

Glu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Arg Phe Glu
            20   25   30

Ile Met Ile Ala Trp Phe Glu Asp Ala Leu Gln Trp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 869
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 869

```
Met Gly Ser Trp Met Val Phe Lys Gln Asp Leu Ala Glu Ile Lys Ala
1               5                   10                  15


Asn Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asp Phe Glu
            20                  25                  30


Phe Ala Ile Ala Trp Phe Glu Tyr Glu Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  870
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  870

Met Gly Ser Trp Lys Asn Phe Lys Leu Glu Leu Ala Leu Ile Lys Ser
1               5                   10                  15


Lys Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20                  25                  30


Ala Asp Ile Ala Phe Phe Glu Trp Ser Leu Gln Trp Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 871
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 871

Met Gly Ser Trp His Ser Phe Lys Gln Asp Leu Ala Tyr Ile Lys Tyr
1   5   10   15

Leu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Gln Phe Glu
            20   25   30

Glu Leu Ile Ala Phe Phe Glu Tyr Tyr Leu Gln Thr Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 872
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 872

Met Gly Ser Trp Val Val Phe Lys Ser Ser Leu Ala Gln Ile Lys Ile
1   5   10   15

Leu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20   25   30

Val Lys Ile Ala His Phe Glu Gln Glu Leu Gln Glu Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 873
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 873

Met Gly Ser Trp Asp Gln Phe Lys Asn Ser Leu Ala Ser Ile Lys Arg
1   5   10   15

Val Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ile Phe Glu
            20   25   30

Val Lys Ile Ala His Phe Glu His Phe Leu Gln Gln Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 874
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 874

Met Gly Ser Trp Asn Asn Phe Lys Ser Ser Leu Ala Ser Ile Lys Gln
1   5   10   15

```
Val Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Val Phe Glu
            20                  25                  30


Leu Gln Ile Ala His Phe Glu Arg Glu Leu Gln Tyr Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  875
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  875

Met Gly Ser Trp Val Glu Phe Gly His Arg Leu Trp Ala Ile Asp Gln
1               5                   10                  15


Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Lys Leu Arg Gln Arg Ala Ala Phe Ile Arg
    50                  55                  60


Phe Arg Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  876
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 876

Met Gly Ser Trp Ala Glu Phe Lys Gln Arg Leu Ala Ala Ile Lys Thr
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Leu
            20   25   30

Gly Glu Ile Trp Ala Phe Glu Met Glu Leu Ala Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Gly Arg Glu Ala Ala Ala Ile Arg
    50   55   60

Met Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 877
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 877

Met Gly Ser Trp Tyr Glu Phe Asp Leu Arg Leu His Ala Ile Tyr Asp
1   5   10   15

Arg Leu Val Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ile Leu Arg Asp Asn Ala Ala Tyr Ile Arg
    50   55   60

Gln Met Leu Gln Ala Tyr Arg His Asn
65 70

<210> 878
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 878

Met Gly Ser Trp His Glu Phe His Asp Arg Leu Gln Ala Ile His Glu
1 5 10 15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Ile Ala Ala Ala His Ile Arg
50 55 60

Gln Val Leu Gln Ala Tyr Arg His Asn
65 70

<210> 879
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 879

Met Gly Ser Trp Asn Tyr Phe Lys Asp His Leu Ala Trp Ile Lys Asn
1 5 10 15

Ser Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala His Phe Glu

```
            20                  25                  30

Thr Ala Ile Ala Ser Phe Glu Arg Gln Leu Gln Glu Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 880
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 880

```
Met Gly Ser Trp Leu Trp Phe Lys Ile Phe Leu Ala Glu Ile Lys Tyr
1               5                   10                  15

Phe Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Asp
            20                  25                  30

Phe Glu Ile His Ala Phe His Val Glu Leu Phe Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Val Leu Arg Glu Val Ala Ala Glu Ile Arg
    50                  55                  60

Trp Asp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 881
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 881

Met Gly Ser Trp Thr Glu Phe Gln Ser Arg Leu Asp Ala Ile His Ser
1 5 10 15

Arg Leu Arg Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Leu Leu Arg Asp Asp Ala Ala Phe Ile Arg
50 55 60

His Phe Leu Gln Ala Tyr Arg His Asn
65 70

<210> 882
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 882

Met Gly Ser Trp Val Val Phe Lys Val Asp Leu Ala Thr Ile Lys Tyr
1 5 10 15

Ile Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
20 25 30

Gly Glu Ile Ala Gly Phe Glu Tyr Ser Leu Gln Phe Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn

65 70

<210> 883
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 883

Met Gly Ser Trp Thr Ile Phe Lys Glu Trp Leu Ala Phe Ile Lys Thr
1 5 10 15

Asp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Phe Phe Glu
20 25 30

Gly Trp Ile Ala Ser Phe Glu Met Glu Leu Gln Lys Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
50 55 60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65 70

<210> 884
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 884

Met Gly Ser Trp Glu Glu Phe Glu Leu Arg Leu Asn Ala Ile Glu Glu
1 5 10 15

Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
20 25 30

Tyr Val Ile Ala Asp Phe Glu Gly Asn Leu Gln Arg Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Tyr Phe Glu Ala Asp Ala Ile Phe
    50   55   60

Glu Glu Leu Val Ala Tyr Arg His Asn
65   70

<210> 885
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 885

Met Gly Ser Trp Val Val Phe Lys Gln Arg Leu Ala Tyr Ile Lys Asp
1   5   10   15

Leu Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Tyr Phe Glu
            20   25   30

Met Ser Ile Ala Phe Phe Glu Glu Asp Leu Gln Val Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 886
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 886

```
Met Gly Ser Trp Val Glu Phe Tyr Glu Arg Leu Asp Ala Ile Asp Arg
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Glu Leu Arg Val His Ala Ala Ser Ile Arg
    50                  55                  60


Ala Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 887
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 887

```
Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ser Leu Arg Ala His Ala Ala Ala Ile Arg
    50                  55                  60


Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 888
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 888

Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Val His Ala Ala Ala Ile Arg
50 55 60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 889
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 889

Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Ala His Ala Ala Ala Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 890
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 890

Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Lys Ala His Ala Ala Ala Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 891
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 891

Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

```
Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ser Leu Gln Ala His Ala Ala Ala Ile Arg
    50                  55                  60


Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  892
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  892

Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1               5                   10                  15


Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ser Leu Arg Ala His Ala Ala Gly Ile Arg
    50                  55                  60


Glu Trp Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  893
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 893

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Glu His Ala Ala His Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65   70

<210> 894
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 894

Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1   5   10   15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Glu His Ala Ala Ala Ile Arg
    50   55   60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 895
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 895

Met Gly Ser Trp Ser Glu Phe Tyr Asp Arg Leu Asn Ala Ile Asp Ala
1 5 10 15

Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Ser Leu Arg Glu His Ala Ala Ala Ile Arg
50 55 60

Glu Trp Leu Gln Ala Tyr Arg His Asn
65 70

<210> 896
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 896

Met Gly Ser Trp Val Glu Phe Glu Ala Arg Leu Ser Ala Ile Tyr Glu
1 5 10 15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu

```
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Lys Leu Arg Arg His Ala Ala Gly Ile Arg
    50                  55                  60

Ser Asn Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 897
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 897

```
Met Gly Ser Trp Val Glu Phe Phe Val Arg Leu Asp Ala Ile Trp Glu
1               5                   10                  15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45

Gly Asn Pro Glu Val Glu Thr Leu Arg Phe His Ala Ala Gly Ile Arg
    50                  55                  60

Gln Lys Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 898
<211> 73
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 898

Met Gly Ser Trp Thr Glu Phe Asn Leu Arg Leu Asp Ala Ile Tyr Glu
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Trp His Ala Ala Gly Ile Arg
    50   55   60

Gln Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 899
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 899

Met Gly Ser Trp Met Glu Phe Tyr Asp Arg Leu Asp Ala Ile Trp Val
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Val Leu Arg Phe His Ala Ala Gly Ile Arg
    50   55   60

Glu Gln Leu Gln Ala Tyr Arg His Asn

65 70

<210> 900
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 900

Met Gly Ser Trp His Glu Phe Asn Gly Arg Leu Trp Ala Ile Tyr Ala
1 5 10 15

Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
35 40 45

Gly Asn Pro Glu Val Glu Thr Leu Arg Arg His Ala Ala Gly Ile Arg
50 55 60

Gly Ile Leu Gln Ala Tyr Arg His Asn
65 70

<210> 901
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 901

Met Gly Ser Trp Tyr Glu Phe Val Gln Arg Leu His Ala Ile Asn Asp
1 5 10 15

Arg Leu Ser Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
20 25 30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Val Leu Arg Arg His Ala Ala Gly Ile Arg
    50   55   60

Tyr Thr Leu Gln Ala Tyr Arg His Asn
65   70

<210> 902
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 902

Met Gly Ser Trp Ala Glu Phe Tyr Gln Arg Leu Asn Ala Ile Trp Asn
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Val Leu Arg Arg His Ala Ala Gly Ile Arg
    50   55   60

Gly Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 903
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 903

```
Met Gly Ser Trp Val Glu Phe Asn Glu Arg Leu His Ala Ile Tyr Leu
1               5                  10                  15


Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Thr Leu Arg Arg His Ala Ala Gly Ile Arg
    50                  55                  60


Trp Gln Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  904
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  904

Met Gly Ser Trp Asn Glu Phe Lys Leu Glu Leu Ala Phe Ile Lys Asp
1               5                  10                  15


Trp Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Asn Phe Glu
            20                  25                  30


Glu Ala Ile Ala Glu Phe Glu Ala Gly Leu Gln Gly Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50                  55                  60


Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70
```

<210> 905
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 905

Met Gly Ser Trp Met Glu Phe Glu Ala Arg Leu Glu Ala Ile Trp Asp
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ser Leu Arg Phe His Ala Ala Gly Ile Arg
    50   55   60

Gln His Leu Gln Ala Tyr Arg His Asn
65   70

<210> 906
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 906

Met Gly Ser Trp Val Glu Phe Glu Asp Arg Leu Asn Ala Ile Trp Trp
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Lys Leu Arg Arg His Ala Ala Gly Ile Arg
    50   55   60

Thr Gln Leu Gln Ala Tyr Arg His Asn
65   70

<210> 907
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 907

Met Gly Ser Trp His His Phe Lys Met His Leu Ala Gly Ile Lys Leu
1   5   10   15

Gln Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Glu Phe Glu
            20   25   30

Glu Trp Ile Ala Asp Phe Glu Gly Ala Leu Gln Asp Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg
    50   55   60

Asp Glu Leu Gln Ala Tyr Arg His Asn
65   70

<210> 908
<211> 73
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 908

Met Gly Ser Trp Ala Glu Phe Phe Ala Arg Leu Asp Ala Ile Trp Glu
1   5   10   15

```
Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Thr Leu Arg Phe His Ala Ala Gly Ile Arg
    50                  55                  60


Gln Lys Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  909
<211>  73
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  909

Met Gly Ser Trp Ala Glu Phe Phe Ala Arg Leu Asp Ala Ile Trp Asp
1               5                   10                  15


Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20                  25                  30


Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35                  40                  45


Gly Asn Pro Glu Val Glu Thr Leu Arg Phe His Ala Ala Gly Ile Arg
    50                  55                  60


Gln Lys Leu Gln Ala Tyr Arg His Asn
65                  70


<210>  910
<211>  73
<212>  PRT
```

<213> Artificial sequence

<220>
<223> synthetic construct

<400> 910

Met Gly Ser Trp Ala Glu Phe Phe Ala Arg Leu Asp Ala Ile Trp Glu
1   5   10   15

Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu
            20   25   30

Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys
        35   40   45

Gly Asn Pro Glu Val Glu Thr Leu Lys Phe His Ala Ala Gly Ile Arg
    50   55   60

Gln Lys Leu Gln Ala Tyr Arg His Asn
65   70

<210> 911
<211> 170
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 911

Asp Glu Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr Ala Ile
1   5   10   15

Glu Trp Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu Ala Ala
            20   25   30

Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala Tyr Lys
        35   40   45

Gly Lys Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala Ala Val
    50   55   60

```
Ile Arg Ser Asn Leu Gln Ala Tyr Arg His Asn Gly Gly Gly Gly Ser
65                  70                  75                  80


Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Met Leu Gln Met Ala
                85                  90                  95


Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser Leu Leu His Ala Cys
            100                 105                 110


Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys
        115                 120                 125


Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser Val Lys Gly Thr Asn
    130                 135                 140


Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
145                 150                 155                 160


His His His His His His His His His His
                165                 170
```

<210> 912
<211> 175
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 912

```
Asp Glu Gly Gly Gly Gly Ser Met Gly Ser Trp Ala Glu Phe Lys Gln
1               5                   10                  15


Arg Leu Ala Ala Ile Lys Thr Arg Leu Gln Ala Leu Gly Gly Ser Glu
            20                  25                  30


Ala Glu Leu Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu
        35                  40                  45
```

```
Leu Gln Ala Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Ala Leu Arg
    50                  55                  60

Lys Glu Ala Ala Ala Ile Arg Asp Glu Leu Gln Ala Tyr Arg His Asn
65                  70                  75                  80

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
                85                  90                  95

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
            100                 105                 110

Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
        115                 120                 125

Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
    130                 135                 140

Val Lys Gly Thr Asn Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
145                 150                 155                 160

Gly Gly Gly Gly Ser His His His His His His His His His His
                165                 170                 175
```

<210> 913
<211> 343
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 913

```
Asp Glu His His His His His His His His His His Lys Leu Glu Asn
1               5                   10                  15

Leu Tyr Phe Gln Gly Gly Gly Gly Gly Ser Met Gly Ser Trp Asp Glu
            20                  25                  30
```

```
Phe Gly Arg Arg Leu Tyr Ala Ile Glu Trp Arg Leu Tyr Ala Leu Gly
        35                  40                  45

Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe
    50                  55                  60

Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu
65                  70                  75                  80

Lys Leu Arg Glu Ile Ala Ala Val Ile Arg Ser Asn Leu Gln Ala Tyr
                85                  90                  95

Arg His Asn Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
            100                 105                 110

Gly Ser Leu Glu Lys Cys Phe Gln Thr Glu Asn Pro Leu Glu Cys Gln
        115                 120                 125

Asp Lys Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala
    130                 135                 140

Leu Ala Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr
145                 150                 155                 160

Leu Gln Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu
                165                 170                 175

Thr Ser Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala
            180                 185                 190

Ala Thr Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu
        195                 200                 205

Gly Ala Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met
    210                 215                 220

Thr Pro Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala
225                 230                 235                 240
```

```
Asn Arg Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val
                245                 250                 255


Pro Pro Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys
            260                 265                 270


Gln Ala Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile
        275                 280                 285


Asn Leu Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala
    290                 295                 300


Val Ile Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln
305                 310                 315                 320


Glu Gln Glu Val Cys Phe Ala Glu Glu Gly Gln Lys Leu Ile Ser Lys
                325                 330                 335


Thr Arg Ala Ala Leu Gly Val
            340
```

<210> 914
<211> 343
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 914

```
Asp Glu His His His His His His His His His His Lys Leu Glu Asn
1               5                   10                  15


Leu Tyr Phe Gln Gly Gly Gly Gly Gly Ser Met Gly Ser Trp Ser Glu
            20                  25                  30


Phe Trp Val Arg Leu Gly Ala Ile Arg Glu Arg Leu Asp Ala Leu Gly
        35                  40                  45
```

```
Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe
    50                  55                  60

Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu
65                  70                  75                  80

Lys Leu Arg Tyr Thr Ala Ala Thr Ile Arg Arg Phe Leu Gln Ala Tyr
                85                  90                  95

Arg His Asn Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
            100                 105                 110

Gly Ser Leu Glu Lys Cys Phe Gln Thr Glu Asn Pro Leu Glu Cys Gln
        115                 120                 125

Asp Lys Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala
    130                 135                 140

Leu Ala Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr
145                 150                 155                 160

Leu Gln Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu
                165                 170                 175

Thr Ser Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala
            180                 185                 190

Ala Thr Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu
        195                 200                 205

Gly Ala Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met
    210                 215                 220

Thr Pro Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala
225                 230                 235                 240

Asn Arg Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val
                245                 250                 255
```

```
Pro Pro Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys
            260                 265                 270


Gln Ala Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile
        275                 280                 285


Asn Leu Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala
    290                 295                 300


Val Ile Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln
305                 310                 315                 320


Glu Gln Glu Val Cys Phe Ala Glu Glu Gly Gln Lys Leu Ile Ser Lys
                325                 330                 335


Thr Arg Ala Ala Leu Gly Val
            340


<210>  915
<211>  343
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  915

Asp Glu His His His His His His His His His His Lys Leu Glu Asn
1               5                   10                  15


Leu Tyr Phe Gln Gly Gly Gly Gly Gly Ser Met Gly Ser Trp Ala Glu
            20                  25                  30


Phe Lys Gln Arg Leu Ala Ala Ile Lys Thr Arg Leu Glu Ala Leu Gly
        35                  40                  45


Gly Ser Glu Ala Glu Leu Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe
    50                  55                  60
```

```
Glu Ser Glu Leu Gln Ala Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu
65                  70                  75                  80

Ala Leu Arg Lys Glu Ala Ala Ala Ile Arg Asp Glu Leu Gln Ala Tyr
                85                  90                  95

Arg His Asn Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
            100                 105                 110

Gly Ser Leu Glu Lys Cys Phe Gln Thr Glu Asn Pro Leu Glu Cys Gln
        115                 120                 125

Asp Lys Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala
    130                 135                 140

Leu Ala Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr
145                 150                 155                 160

Leu Gln Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu
                165                 170                 175

Thr Ser Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala
            180                 185                 190

Ala Thr Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu
        195                 200                 205

Gly Ala Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met
    210                 215                 220

Thr Pro Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala
225                 230                 235                 240

Asn Arg Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val
                245                 250                 255

Pro Pro Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys
            260                 265                 270
```

```
Gln Ala Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile
        275                 280                 285

Asn Leu Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala
    290                 295                 300

Val Ile Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln
305                 310                 315                 320

Glu Gln Glu Val Cys Phe Ala Glu Glu Gly Gln Lys Leu Ile Ser Lys
                325                 330                 335

Thr Arg Ala Ala Leu Gly Val
            340
```

<210> 916
<211> 438
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 916

```
Asp Glu Gly Gly Gly Gly Ser Met Gly Ser Trp Asp Glu Phe Gly Arg
1               5                   10                  15

Arg Leu Tyr Ala Ile Glu Trp Gln Leu Tyr Ala Leu Gly Gly Thr Glu
            20                  25                  30

Ala Glu Leu Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu
        35                  40                  45

Leu Gln Ala Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Lys Leu Arg
    50                  55                  60

Glu Ile Ala Ala Val Ile Arg Glu Asn Leu Gln Ala Tyr Arg His Asn
65                  70                  75                  80
```

```
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
                85                  90                  95

Leu Glu Lys Cys Phe Gln Thr Glu Asn Pro Leu Glu Cys Gln Asp Lys
            100                 105                 110

Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala
        115                 120                 125

Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln
    130                 135                 140

Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser
145                 150                 155                 160

Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala Ala Thr
                165                 170                 175

Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala
            180                 185                 190

Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met Thr Pro
        195                 200                 205

Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg
    210                 215                 220

Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val Pro Pro
225                 230                 235                 240

Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys Gln Ala
                245                 250                 255

Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu
            260                 265                 270

Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile
        275                 280                 285
```

```
Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln
    290                 295                 300

Glu Val Cys Phe Ala Glu Glu Gly Gln Lys Leu Ile Ser Lys Thr Arg
305                 310                 315                 320

Ala Ala Leu Gly Val Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
                325                 330                 335

Gly Gly Gly Ser Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr
            340                 345                 350

Ala Ile Glu Trp Gln Leu Tyr Ala Leu Gly Gly Thr Glu Ala Glu Leu
        355                 360                 365

Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala
    370                 375                 380

Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala
385                 390                 395                 400

Ala Val Ile Arg Glu Asn Leu Gln Ala Tyr Arg His Asn Gly Gly Gly
                405                 410                 415

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser His His His His
            420                 425                 430

His His His His His His
        435
```

<210> 917
<211> 438
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 917

```
Asp Glu Gly Gly Gly Gly Ser Met Gly Ser Trp Ser Glu Phe Trp Val
1               5                   10                  15

Arg Leu Gly Ala Ile Arg Glu Arg Leu Asp Ala Leu Gly Gly Ser Glu
            20                  25                  30

Ala Glu Leu Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu
        35                  40                  45

Leu Gln Ala Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Lys Leu Arg
    50                  55                  60

Tyr Thr Ala Ala Thr Ile Arg Arg Phe Leu Gln Ala Tyr Arg His Asn
65                  70                  75                  80

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
                85                  90                  95

Leu Glu Lys Cys Phe Gln Thr Glu Asn Pro Leu Glu Cys Gln Asp Lys
            100                 105                 110

Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala
        115                 120                 125

Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln
    130                 135                 140

Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser
145                 150                 155                 160

Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala Ala Thr
                165                 170                 175

Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala
            180                 185                 190

Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met Thr Pro
        195                 200                 205
```

```
Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg
    210                 215                 220

Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val Pro Pro
225                 230                 235                 240

Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys Gln Ala
                245                 250                 255

Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu
            260                 265                 270

Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile
        275                 280                 285

Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln
    290                 295                 300

Glu Val Cys Phe Ala Glu Glu Gly Gln Lys Leu Ile Ser Lys Thr Arg
305                 310                 315                 320

Ala Ala Leu Gly Val Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
                325                 330                 335

Gly Gly Gly Ser Met Gly Ser Trp Ser Glu Phe Trp Val Arg Leu Gly
            340                 345                 350

Ala Ile Arg Glu Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu
        355                 360                 365

Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala
    370                 375                 380

Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala
385                 390                 395                 400

Ala Thr Ile Arg Arg Phe Leu Gln Ala Tyr Arg His Asn Gly Gly Gly
                405                 410                 415
```

```
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser His His His His
            420                 425                 430


His His His His His His
        435


<210>  918
<211>  338
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  918

Met Ala Phe Leu Trp Leu Leu Ser Cys Trp Ala Leu Leu Gly Thr Thr
1               5                   10                  15


Phe Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly Gly Ser Gly
            20                  25                  30


Gly Gly Gly Ser Met Gly Ser Trp Ala Glu Phe Lys Gln Arg Leu Ala
        35                  40                  45


Ala Ile Lys Thr Arg Leu Glu Ala Leu Gly Gly Ser Glu Ala Glu Leu
    50                  55                  60


Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala
65                  70                  75                  80


Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Ala Leu Arg Lys Glu Ala
                85                  90                  95


Ala Ala Ile Arg Asp Glu Leu Gln Ala Tyr Arg His Asn Gly Gln Ala
            100                 105                 110


Gly Ser Gly Thr Thr Thr Pro Ala Pro Arg Pro Pro Thr Pro Ala Pro
        115                 120                 125
```

```
Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro Glu Ala Cys Arg Pro
    130                 135                 140

Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu Asp Phe Ala Cys Asp
145                 150                 155                 160

Ile Tyr Ile Trp Ala Pro Leu Ala Gly Thr Cys Gly Val Leu Leu Leu
                165                 170                 175

Ser Leu Val Ile Thr Leu Tyr Cys Lys Arg Gly Arg Lys Lys Leu Leu
            180                 185                 190

Tyr Ile Phe Lys Gln Pro Phe Met Arg Pro Val Gln Thr Thr Gln Glu
        195                 200                 205

Glu Asp Gly Cys Ser Cys Arg Phe Pro Glu Glu Glu Glu Gly Gly Cys
    210                 215                 220

Glu Leu Arg Val Lys Phe Ser Arg Ser Ala Asp Ala Pro Ala Tyr Lys
225                 230                 235                 240

Gln Gly Gln Asn Gln Leu Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu
                245                 250                 255

Glu Tyr Asp Val Leu Asp Lys Arg Arg Gly Arg Asp Pro Glu Met Gly
            260                 265                 270

Gly Lys Pro Arg Arg Lys Asn Pro Gln Glu Gly Leu Tyr Asn Glu Leu
        275                 280                 285

Gln Lys Asp Lys Met Ala Glu Ala Tyr Ser Glu Ile Gly Met Lys Gly
    290                 295                 300

Glu Arg Arg Arg Gly Lys Gly His Asp Gly Leu Tyr Gln Gly Leu Ser
305                 310                 315                 320

Thr Ala Thr Lys Asp Thr Tyr Asp Ala Leu His Met Gln Ala Leu Pro
                325                 330                 335
```

Pro Arg

<210> 919
<211> 343
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 919

```
Met Ala Phe Leu Trp Leu Leu Ser Cys Trp Ala Leu Leu Gly Thr Thr
1               5                   10                  15


Phe Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly Gly Ser Gly
            20                  25                  30


Gly Gly Gly Ser Met Gly Ser Trp Asp Glu Phe Gly Arg Arg Leu Tyr
        35                  40                  45


Ala Ile Glu Trp Arg Leu Tyr Ala Leu Gly Gly Ser Glu Ala Glu Leu
    50                  55                  60


Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala
65                  70                  75                  80


Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Lys Leu Arg Glu Ile Ala
                85                  90                  95


Ala Val Ile Arg Ser Asn Leu Gln Ala Tyr Arg His Asn Gly Gly Gly
            100                 105                 110


Gly Ser Gly Gly Gly Gly Ser Gly Thr Thr Thr Pro Ala Pro Arg Pro
        115                 120                 125


Pro Thr Pro Ala Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro
    130                 135                 140
```

```
Glu Ala Cys Arg Pro Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu
145                 150                 155                 160

Asp Phe Ala Cys Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly Thr Cys
                165                 170                 175

Gly Val Leu Leu Leu Ser Leu Val Ile Thr Leu Tyr Cys Lys Arg Gly
            180                 185                 190

Arg Lys Lys Leu Leu Tyr Ile Phe Lys Gln Pro Phe Met Arg Pro Val
        195                 200                 205

Gln Thr Thr Gln Glu Glu Asp Gly Cys Ser Cys Arg Phe Pro Glu Glu
    210                 215                 220

Glu Glu Gly Gly Cys Glu Leu Arg Val Lys Phe Ser Arg Ser Ala Asp
225                 230                 235                 240

Ala Pro Ala Tyr Lys Gln Gly Gln Asn Gln Leu Tyr Asn Glu Leu Asn
                245                 250                 255

Leu Gly Arg Arg Glu Glu Tyr Asp Val Leu Asp Lys Arg Arg Gly Arg
            260                 265                 270

Asp Pro Glu Met Gly Gly Lys Pro Arg Arg Lys Asn Pro Gln Glu Gly
        275                 280                 285

Leu Tyr Asn Glu Leu Gln Lys Asp Lys Met Ala Glu Ala Tyr Ser Glu
    290                 295                 300

Ile Gly Met Lys Gly Glu Arg Arg Arg Gly Lys Gly His Asp Gly Leu
305                 310                 315                 320

Tyr Gln Gly Leu Ser Thr Ala Thr Lys Asp Thr Tyr Asp Ala Leu His
                325                 330                 335

Met Gln Ala Leu Pro Pro Arg
            340
```

<210> 920
<211> 343
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 920

```
Met Ala Phe Leu Trp Leu Leu Ser Cys Trp Ala Leu Leu Gly Thr Thr
1               5                  10                  15


Phe Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly Gly Ser Gly
            20                  25                  30


Gly Gly Gly Ser Met Gly Ser Trp Ser Glu Phe Trp Val Arg Leu Gly
        35                  40                  45


Ala Ile Arg Glu Arg Leu Asp Ala Leu Gly Gly Ser Glu Ala Glu Leu
    50                  55                  60


Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala
65                  70                  75                  80


Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Lys Leu Arg Tyr Thr Ala
                85                  90                  95


Ala Thr Ile Arg Arg Phe Leu Gln Ala Tyr Arg His Asn Gly Gly Gly
            100                 105                 110


Gly Ser Gly Gly Gly Gly Ser Gly Thr Thr Thr Pro Ala Pro Arg Pro
        115                 120                 125


Pro Thr Pro Ala Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro
    130                 135                 140


Glu Ala Cys Arg Pro Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu
145                 150                 155                 160
```

```
Asp Phe Ala Cys Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly Thr Cys
                165                 170                 175

Gly Val Leu Leu Leu Ser Leu Val Ile Thr Leu Tyr Cys Lys Arg Gly
            180                 185                 190

Arg Lys Lys Leu Leu Tyr Ile Phe Lys Gln Pro Phe Met Arg Pro Val
        195                 200                 205

Gln Thr Thr Gln Glu Glu Asp Gly Cys Ser Cys Arg Phe Pro Glu Glu
    210                 215                 220

Glu Glu Gly Gly Cys Glu Leu Arg Val Lys Phe Ser Arg Ser Ala Asp
225                 230                 235                 240

Ala Pro Ala Tyr Lys Gln Gly Gln Asn Gln Leu Tyr Asn Glu Leu Asn
                245                 250                 255

Leu Gly Arg Arg Glu Glu Tyr Asp Val Leu Asp Lys Arg Arg Gly Arg
            260                 265                 270

Asp Pro Glu Met Gly Gly Lys Pro Arg Arg Lys Asn Pro Gln Glu Gly
        275                 280                 285

Leu Tyr Asn Glu Leu Gln Lys Asp Lys Met Ala Glu Ala Tyr Ser Glu
    290                 295                 300

Ile Gly Met Lys Gly Glu Arg Arg Arg Gly Lys Gly His Asp Gly Leu
305                 310                 315                 320

Tyr Gln Gly Leu Ser Thr Ala Thr Lys Asp Thr Tyr Asp Ala Leu His
                325                 330                 335

Met Gln Ala Leu Pro Pro Arg
            340
```

<210> 921
<211> 343

<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 921

```
Met Ala Phe Leu Trp Leu Leu Ser Cys Trp Ala Leu Leu Gly Thr Thr
1               5                  10                  15


Phe Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly Gly Ser Gly
            20                  25                  30


Gly Gly Gly Ser Met Gly Ser Trp Phe Glu Phe Tyr Asp Arg Leu Asn
        35                  40                  45


Ala Ile Asp Ala Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu
    50                  55                  60


Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala
65                  70                  75                  80


Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Asn Leu Arg Val His Ala
                85                  90                  95


Ala Ala Ile Arg Glu Trp Leu Gln Ala Tyr Arg His Asn Gly Gly Gly
            100                 105                 110


Gly Ser Gly Gly Gly Gly Ser Gly Thr Thr Thr Pro Ala Pro Arg Pro
        115                 120                 125


Pro Thr Pro Ala Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro
    130                 135                 140


Glu Ala Cys Arg Pro Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu
145                 150                 155                 160


Asp Phe Ala Cys Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly Thr Cys
                165                 170                 175
```

```
Gly Val Leu Leu Leu Ser Leu Val Ile Thr Leu Tyr Cys Lys Arg Gly
            180                 185                 190

Arg Lys Lys Leu Leu Tyr Ile Phe Lys Gln Pro Phe Met Arg Pro Val
        195                 200                 205

Gln Thr Thr Gln Glu Glu Asp Gly Cys Ser Cys Arg Phe Pro Glu Glu
    210                 215                 220

Glu Glu Gly Gly Cys Glu Leu Arg Val Lys Phe Ser Arg Ser Ala Asp
225                 230                 235                 240

Ala Pro Ala Tyr Lys Gln Gly Gln Asn Gln Leu Tyr Asn Glu Leu Asn
                245                 250                 255

Leu Gly Arg Arg Glu Glu Tyr Asp Val Leu Asp Lys Arg Arg Gly Arg
            260                 265                 270

Asp Pro Glu Met Gly Gly Lys Pro Arg Arg Lys Asn Pro Gln Glu Gly
        275                 280                 285

Leu Tyr Asn Glu Leu Gln Lys Asp Lys Met Ala Glu Ala Tyr Ser Glu
    290                 295                 300

Ile Gly Met Lys Gly Glu Arg Arg Arg Gly Lys Gly His Asp Gly Leu
305                 310                 315                 320

Tyr Gln Gly Leu Ser Thr Ala Thr Lys Asp Thr Tyr Asp Ala Leu His
                325                 330                 335

Met Gln Ala Leu Pro Pro Arg
            340
```

<210> 922
<211> 343
<212> PRT
<213> Artificial sequence

<220>

<223> synthetic construct

<400> 922

```
Met Ala Phe Leu Trp Leu Leu Ser Cys Trp Ala Leu Leu Gly Thr Thr
1               5                  10                  15


Phe Gly Asp Tyr Lys Asp Asp Asp Asp Lys Gly Gly Gly Gly Ser Gly
            20                  25                  30


Gly Gly Gly Ser Met Gly Ser Trp Leu Glu Phe Tyr His Arg Leu Asn
        35                  40                  45


Ala Ile Asp Ser Arg Leu Trp Ala Leu Gly Gly Ser Glu Ala Glu Leu
    50                  55                  60


Ala Ala Phe Glu Lys Glu Ile Ala Ala Phe Glu Ser Glu Leu Gln Ala
65                  70                  75                  80


Tyr Lys Gly Lys Gly Asn Pro Glu Val Glu Ser Leu Arg Asp His Ala
                85                  90                  95


Ala His Ile Arg Glu Trp Leu Gln Ala Tyr Arg His Asn Gly Gly Gly
            100                 105                 110


Gly Ser Gly Gly Gly Gly Ser Gly Thr Thr Thr Pro Ala Pro Arg Pro
        115                 120                 125


Pro Thr Pro Ala Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro
    130                 135                 140


Glu Ala Cys Arg Pro Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu
145                 150                 155                 160


Asp Phe Ala Cys Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly Thr Cys
                165                 170                 175


Gly Val Leu Leu Leu Ser Leu Val Ile Thr Leu Tyr Cys Lys Arg Gly
            180                 185                 190
```

```
Arg Lys Lys Leu Leu Tyr Ile Phe Lys Gln Pro Phe Met Arg Pro Val
        195                 200                 205

Gln Thr Thr Gln Glu Glu Asp Gly Cys Ser Cys Arg Phe Pro Glu Glu
    210                 215                 220

Glu Glu Gly Gly Cys Glu Leu Arg Val Lys Phe Ser Arg Ser Ala Asp
225                 230                 235                 240

Ala Pro Ala Tyr Lys Gln Gly Gln Asn Gln Leu Tyr Asn Glu Leu Asn
                245                 250                 255

Leu Gly Arg Arg Glu Glu Tyr Asp Val Leu Asp Lys Arg Arg Gly Arg
            260                 265                 270

Asp Pro Glu Met Gly Gly Lys Pro Arg Arg Lys Asn Pro Gln Glu Gly
        275                 280                 285

Leu Tyr Asn Glu Leu Gln Lys Asp Lys Met Ala Glu Ala Tyr Ser Glu
    290                 295                 300

Ile Gly Met Lys Gly Glu Arg Arg Arg Gly Lys Gly His Asp Gly Leu
305                 310                 315                 320

Tyr Gln Gly Leu Ser Thr Ala Thr Lys Asp Thr Tyr Asp Ala Leu His
                325                 330                 335

Met Gln Ala Leu Pro Pro Arg
            340
```

<210> 923
<211> 668
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 923

```
Asp Ser Ser Lys Trp Val Phe Glu His Pro Glu Thr Leu Tyr Ala Trp
1               5                   10                  15

Glu Gly Ala Cys Val Trp Ile Pro Cys Thr Tyr Arg Ala Leu Asp Gly
            20                  25                  30

Asp Leu Glu Ser Phe Ile Leu Phe His Asn Pro Glu Tyr Asn Lys Asn
        35                  40                  45

Thr Ser Lys Phe Asp Gly Thr Arg Leu Tyr Glu Ser Thr Lys Asp Gly
    50                  55                  60

Lys Val Pro Ser Glu Gln Lys Arg Val Gln Phe Leu Gly Asp Lys Asn
65                  70                  75                  80

Lys Asn Cys Thr Leu Ser Ile His Pro Val His Leu Asn Asp Ser Gly
                85                  90                  95

Gln Leu Gly Leu Arg Met Glu Ser Lys Thr Glu Lys Trp Met Glu Arg
            100                 105                 110

Ile His Leu Asn Val Ser Glu Arg Pro Phe Pro Pro His Ile Gln Leu
        115                 120                 125

Pro Pro Glu Ile Gln Glu Ser Gln Glu Val Thr Leu Thr Cys Leu Leu
    130                 135                 140

Asn Phe Ser Cys Tyr Gly Tyr Pro Ile Gln Leu Gln Trp Leu Leu Glu
145                 150                 155                 160

Gly Val Pro Met Arg Gln Ala Ala Val Thr Ser Thr Ser Leu Thr Ile
                165                 170                 175

Lys Ser Val Phe Thr Arg Ser Glu Leu Lys Phe Ser Pro Gln Trp Ser
            180                 185                 190

His His Gly Lys Ile Val Thr Cys Gln Leu Gln Asp Ala Asp Gly Lys
        195                 200                 205
```

```
Phe Leu Ser Asn Asp Thr Val Gln Leu Asn Val Lys His Thr Pro Lys
    210                 215                 220

Leu Glu Ile Lys Val Thr Pro Ser Asp Ala Ile Val Arg Glu Gly Asp
225                 230                 235                 240

Ser Val Thr Met Thr Cys Glu Val Ser Ser Ser Asn Pro Glu Tyr Thr
                245                 250                 255

Thr Val Ser Trp Leu Lys Asp Gly Thr Ser Leu Lys Lys Gln Asn Thr
            260                 265                 270

Phe Thr Leu Asn Leu Arg Glu Val Thr Lys Asp Gln Ser Gly Lys Tyr
        275                 280                 285

Cys Cys Gln Val Ser Asn Asp Val Gly Pro Gly Arg Ser Glu Glu Val
    290                 295                 300

Phe Leu Gln Val Gln Tyr Ala Pro Glu Pro Ser Thr Val Gln Ile Leu
305                 310                 315                 320

His Ser Pro Ala Val Glu Gly Ser Gln Val Glu Phe Leu Cys Met Ser
                325                 330                 335

Leu Ala Asn Pro Leu Pro Thr Asn Tyr Thr Trp Tyr His Asn Gly Lys
            340                 345                 350

Glu Met Gln Gly Arg Thr Glu Glu Lys Val His Ile Pro Lys Ile Leu
        355                 360                 365

Pro Trp His Ala Gly Thr Tyr Ser Cys Val Ala Glu Asn Ile Leu Gly
    370                 375                 380

Thr Gly Gln Arg Gly Pro Gly Ala Glu Leu Asp Val Gln Tyr Pro Pro
385                 390                 395                 400

Lys Lys Val Thr Thr Val Ile Gln Asn Pro Met Pro Ile Arg Glu Gly
                405                 410                 415
```

```
Asp Thr Val Thr Leu Ser Cys Asn Tyr Asn Ser Ser Asn Pro Ser Val
            420                 425                 430

Thr Arg Tyr Glu Trp Lys Pro His Gly Ala Trp Glu Glu Pro Ser Leu
        435                 440                 445

Gly Val Leu Lys Ile Gln Asn Val Gly Trp Asp Asn Thr Thr Ile Ala
    450                 455                 460

Cys Ala Ala Cys Asn Ser Trp Cys Ser Trp Ala Ser Pro Val Ala Leu
465                 470                 475                 480

Asn Val Gln Tyr Ala Pro Arg Asp Val Arg Val Arg Lys Ile Lys Pro
                485                 490                 495

Leu Ser Glu Ile His Ser Gly Asn Ser Val Ser Leu Gln Cys Asp Phe
            500                 505                 510

Ser Ser Ser His Pro Lys Glu Val Gln Phe Phe Trp Glu Lys Asn Gly
        515                 520                 525

Arg Leu Leu Gly Lys Glu Ser Gln Leu Asn Phe Asp Ser Ile Ser Pro
    530                 535                 540

Glu Asp Ala Gly Ser Tyr Ser Cys Trp Val Asn Asn Ser Ile Gly Gln
545                 550                 555                 560

Thr Ala Ser Lys Ala Trp Thr Leu Glu Val Leu Tyr Ala Pro Arg Arg
                565                 570                 575

Leu Arg Val Ser Met Ser Pro Gly Asp Gln Val Met Glu Gly Lys Ser
            580                 585                 590

Ala Thr Leu Thr Cys Glu Ser Asp Ala Asn Pro Pro Val Ser His Tyr
        595                 600                 605

Thr Trp Phe Asp Trp Asn Asn Gln Ser Leu Pro Tyr His Ser Gln Lys
```

610 615 620

Leu Arg Leu Glu Pro Val Lys Val Gln His Ser Gly Ala Tyr Trp Cys
625 630 635 640

Gln Gly Thr Asn Ser Val Gly Lys Gly Arg Ser Pro Leu Ser Thr Leu
645 650 655

Thr Val Tyr Tyr Ser Pro Glu Thr Ile Gly Arg Arg
660 665

<210> 924
<211> 22
<212> PRT
<213> Homo sapiens

<400> 924

Met Ala Gly Ser Pro Thr Cys Leu Thr Leu Ile Tyr Ile Leu Trp Gln
1 5 10 15

Leu Thr Gly Ser Ala Ala
20

<210> 925
<211> 204
<212> PRT
<213> Homo sapiens

<400> 925

Ser Gly Pro Val Lys Glu Leu Val Gly Ser Val Gly Gly Ala Val Thr
1 5 10 15

Phe Pro Leu Lys Ser Lys Val Lys Gln Val Asp Ser Ile Val Trp Thr
20 25 30

Phe Asn Thr Thr Pro Leu Val Thr Ile Gln Pro Glu Gly Gly Thr Ile
35 40 45

Ile Val Thr Gln Asn Arg Asn Arg Glu Arg Val Asp Phe Pro Asp Gly
50 55 60

```
Gly Tyr Ser Leu Lys Leu Ser Lys Leu Lys Lys Asn Asp Ser Gly Ile
65                  70                  75                  80


Tyr Tyr Val Gly Ile Tyr Ser Ser Ser Leu Gln Gln Pro Ser Thr Gln
                85                  90                  95


Glu Tyr Val Leu His Val Tyr Glu His Leu Ser Lys Pro Lys Val Thr
            100                 105                 110


Met Gly Leu Gln Ser Asn Lys Asn Gly Thr Cys Val Thr Asn Leu Thr
        115                 120                 125


Cys Cys Met Glu His Gly Glu Glu Asp Val Ile Tyr Thr Trp Lys Ala
    130                 135                 140


Leu Gly Gln Ala Ala Asn Glu Ser His Asn Gly Ser Ile Leu Pro Ile
145                 150                 155                 160


Ser Trp Arg Trp Gly Glu Ser Asp Met Thr Phe Ile Cys Val Ala Arg
                165                 170                 175


Asn Pro Val Ser Arg Asn Phe Ser Ser Pro Ile Leu Ala Arg Lys Leu
            180                 185                 190


Cys Glu Gly Ala Ala Asp Asp Pro Asp Ser Ser Met
        195                 200


<210>  926
<211>  335
<212>  PRT
<213>  Homo sapiens

<400>  926

Met Ala Gly Ser Pro Thr Cys Leu Thr Leu Ile Tyr Ile Leu Trp Gln
1               5                   10                  15


Leu Thr Gly Ser Ala Ala Ser Gly Pro Val Lys Glu Leu Val Gly Ser
            20                  25                  30
```

```
Val Gly Gly Ala Val Thr Phe Pro Leu Lys Ser Lys Val Lys Gln Val
        35                  40                  45

Asp Ser Ile Val Trp Thr Phe Asn Thr Thr Pro Leu Val Thr Ile Gln
    50                  55                  60

Pro Glu Gly Gly Thr Ile Ile Val Thr Gln Asn Arg Asn Arg Glu Arg
65                  70                  75                  80

Val Asp Phe Pro Asp Gly Gly Tyr Ser Leu Lys Leu Ser Lys Leu Lys
                85                  90                  95

Lys Asn Asp Ser Gly Ile Tyr Tyr Val Gly Ile Tyr Ser Ser Ser Leu
            100                 105                 110

Gln Gln Pro Ser Thr Gln Glu Tyr Val Leu His Val Tyr Glu His Leu
        115                 120                 125

Ser Lys Pro Lys Val Thr Met Gly Leu Gln Ser Asn Lys Asn Gly Thr
    130                 135                 140

Cys Val Thr Asn Leu Thr Cys Cys Met Glu His Gly Glu Glu Asp Val
145                 150                 155                 160

Ile Tyr Thr Trp Lys Ala Leu Gly Gln Ala Ala Asn Glu Ser His Asn
                165                 170                 175

Gly Ser Ile Leu Pro Ile Ser Trp Arg Trp Gly Glu Ser Asp Met Thr
            180                 185                 190

Phe Ile Cys Val Ala Arg Asn Pro Val Ser Arg Asn Phe Ser Ser Pro
        195                 200                 205

Ile Leu Ala Arg Lys Leu Cys Glu Gly Ala Ala Asp Asp Pro Asp Ser
    210                 215                 220

Ser Met Val Leu Leu Cys Leu Leu Leu Val Pro Leu Leu Leu Ser Leu
```

225 230 235 240

Phe Val Leu Gly Leu Phe Leu Trp Phe Leu Lys Arg Glu Arg Gln Glu
245 250 255

Glu Tyr Ile Glu Glu Lys Lys Arg Val Asp Ile Cys Arg Glu Thr Pro
260 265 270

Asn Ile Cys Pro His Ser Gly Glu Asn Thr Glu Tyr Asp Thr Ile Pro
275 280 285

His Thr Asn Arg Thr Ile Leu Lys Glu Asp Pro Ala Asn Thr Val Tyr
290 295 300

Ser Thr Val Glu Ile Pro Lys Lys Met Glu Asn Pro His Ser Leu Leu
305 310 315 320

Thr Met Pro Asp Thr Pro Arg Leu Phe Ala Tyr Glu Asn Val Ile
325 330 335

<210> 927
<211> 630
<212> PRT
<213> Homo sapiens

<400> 927

Thr Gln Val Cys Thr Gly Thr Asp Met Lys Leu Arg Leu Pro Ala Ser
1 5 10 15

Pro Glu Thr His Leu Asp Met Leu Arg His Leu Tyr Gln Gly Cys Gln
20 25 30

Val Val Gln Gly Asn Leu Glu Leu Thr Tyr Leu Pro Thr Asn Ala Ser
35 40 45

Leu Ser Phe Leu Gln Asp Ile Gln Glu Val Gln Gly Tyr Val Leu Ile
50 55 60

Ala His Asn Gln Val Arg Gln Val Pro Leu Gln Arg Leu Arg Ile Val

```
65                  70                  75                  80

Arg Gly Thr Gln Leu Phe Glu Asp Asn Tyr Ala Leu Ala Val Leu Asp
                85                  90                  95

Asn Gly Asp Pro Leu Asn Asn Thr Thr Pro Val Thr Gly Ala Ser Pro
            100                 105                 110

Gly Gly Leu Arg Glu Leu Gln Leu Arg Ser Leu Thr Glu Ile Leu Lys
        115                 120                 125

Gly Gly Val Leu Ile Gln Arg Asn Pro Gln Leu Cys Tyr Gln Asp Thr
    130                 135                 140

Ile Leu Trp Lys Asp Ile Phe His Lys Asn Asn Gln Leu Ala Leu Thr
145                 150                 155                 160

Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys His Pro Cys Ser Pro Met
                165                 170                 175

Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser Ser Glu Asp Cys Gln Ser
            180                 185                 190

Leu Thr Arg Thr Val Cys Ala Gly Gly Cys Ala Arg Cys Lys Gly Pro
        195                 200                 205

Leu Pro Thr Asp Cys Cys His Glu Gln Cys Ala Ala Gly Cys Thr Gly
    210                 215                 220

Pro Lys His Ser Asp Cys Leu Ala Cys Leu His Phe Asn His Ser Gly
225                 230                 235                 240

Ile Cys Glu Leu His Cys Pro Ala Leu Val Thr Tyr Asn Thr Asp Thr
                245                 250                 255

Phe Glu Ser Met Pro Asn Pro Glu Gly Arg Tyr Thr Phe Gly Ala Ser
            260                 265                 270
```

```
Cys Val Thr Ala Cys Pro Tyr Asn Tyr Leu Ser Thr Asp Val Gly Ser
        275                 280                 285

Cys Thr Leu Val Cys Pro Leu His Asn Gln Glu Val Thr Ala Glu Asp
    290                 295                 300

Gly Thr Gln Arg Cys Glu Lys Cys Ser Lys Pro Cys Ala Arg Val Cys
305                 310                 315                 320

Tyr Gly Leu Gly Met Glu His Leu Arg Glu Val Arg Ala Val Thr Ser
                325                 330                 335

Ala Asn Ile Gln Glu Phe Ala Gly Cys Lys Lys Ile Phe Gly Ser Leu
            340                 345                 350

Ala Phe Leu Pro Glu Ser Phe Asp Gly Asp Pro Ala Ser Asn Thr Ala
        355                 360                 365

Pro Leu Gln Pro Glu Gln Leu Gln Val Phe Glu Thr Leu Glu Glu Ile
    370                 375                 380

Thr Gly Tyr Leu Tyr Ile Ser Ala Trp Pro Asp Ser Leu Pro Asp Leu
385                 390                 395                 400

Ser Val Phe Gln Asn Leu Gln Val Ile Arg Gly Arg Ile Leu His Asn
                405                 410                 415

Gly Ala Tyr Ser Leu Thr Leu Gln Gly Leu Gly Ile Ser Trp Leu Gly
            420                 425                 430

Leu Arg Ser Leu Arg Glu Leu Gly Ser Gly Leu Ala Leu Ile His His
        435                 440                 445

Asn Thr His Leu Cys Phe Val His Thr Val Pro Trp Asp Gln Leu Phe
    450                 455                 460

Arg Asn Pro His Gln Ala Leu Leu His Thr Ala Asn Arg Pro Glu Asp
465                 470                 475                 480
```

```
Glu Cys Val Gly Glu Gly Leu Ala Cys His Gln Leu Cys Ala Arg Gly
                485                 490                 495


His Cys Trp Gly Pro Gly Pro Thr Gln Cys Val Asn Cys Ser Gln Phe
            500                 505                 510


Leu Arg Gly Gln Glu Cys Val Glu Glu Cys Arg Val Leu Gln Gly Leu
        515                 520                 525


Pro Arg Glu Tyr Val Asn Ala Arg His Cys Leu Pro Cys His Pro Glu
    530                 535                 540


Cys Gln Pro Gln Asn Gly Ser Val Thr Cys Phe Gly Pro Glu Ala Asp
545                 550                 555                 560


Gln Cys Val Ala Cys Ala His Tyr Lys Asp Pro Pro Phe Cys Val Ala
                565                 570                 575


Arg Cys Pro Ser Gly Val Lys Pro Asp Leu Ser Tyr Met Pro Ile Trp
            580                 585                 590


Lys Phe Pro Asp Glu Glu Gly Ala Cys Gln Pro Cys Pro Ile Asn Cys
        595                 600                 605


Thr His Ser Cys Val Asp Leu Asp Asp Lys Gly Cys Pro Ala Glu Gln
    610                 615                 620


Arg Ala Ser Pro Leu Thr
625                 630
```

<210> 928
<211> 229
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 928

```
Leu Glu Lys Cys Phe Gln Thr Glu Asn Pro Leu Glu Cys Gln Asp Lys
1               5                   10                  15

Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala
            20                  25                  30

Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln
        35                  40                  45

Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser
    50                  55                  60

Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala Ala Thr
65                  70                  75                  80

Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala
                85                  90                  95

Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met Thr Pro
            100                 105                 110

Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg
        115                 120                 125

Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val Pro Pro
    130                 135                 140

Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys Gln Ala
145                 150                 155                 160

Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu
                165                 170                 175

Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile
            180                 185                 190

Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln
        195                 200                 205
```

Glu Val Cys Phe Ala Glu Glu Gly Pro Lys Leu Ile Ser Lys Thr Arg
210 215 220

Ala Ala Leu Gly Val
225

<210> 929
<211> 204
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 929

Gln Glu Ser Gln Ala Leu Ala Lys Arg Ser Cys Gly Leu Phe Gln Lys
1 5 10 15

Leu Gly Glu Tyr Tyr Leu Gln Asn Ala Phe Leu Val Ala Tyr Thr Lys
20 25 30

Lys Ala Pro Gln Leu Thr Ser Ser Glu Leu Met Ala Ile Thr Arg Lys
35 40 45

Met Ala Ala Thr Ala Ala Thr Cys Cys Gln Leu Ser Glu Asp Lys Leu
50 55 60

Leu Ala Cys Gly Glu Gly Ala Ala Asp Ile Ile Ile Gly His Leu Cys
65 70 75 80

Ile Arg His Glu Met Thr Pro Val Asn Pro Gly Val Gly Gln Cys Cys
85 90 95

Thr Ser Ser Tyr Ala Asn Arg Arg Pro Cys Phe Ser Ser Leu Val Val
100 105 110

Asp Glu Thr Tyr Val Pro Pro Ala Phe Ser Asp Asp Lys Phe Ile Phe
115 120 125

```
His Lys Asp Leu Cys Gln Ala Gln Gly Val Ala Leu Gln Thr Met Lys
    130                 135                 140

Gln Glu Phe Leu Ile Asn Leu Val Lys Gln Lys Pro Gln Ile Thr Glu
145                 150                 155                 160

Glu Gln Leu Glu Ala Val Ile Ala Asp Phe Ser Gly Leu Leu Glu Lys
                165                 170                 175

Cys Cys Gln Gly Gln Glu Gln Glu Val Cys Phe Ala Glu Glu Gly Gln
            180                 185                 190

Lys Leu Ile Ser Lys Thr Arg Ala Ala Leu Gly Val
        195                 200
```

<210> 930
<211> 204
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 930

```
Gln Glu Ser Gln Ala Leu Ala Lys Arg Ser Cys Gly Leu Phe Gln Lys
1               5                   10                  15

Leu Gly Glu Tyr Tyr Leu Gln Asn Ala Phe Leu Val Ala Tyr Thr Lys
            20                  25                  30

Lys Ala Pro Gln Leu Thr Ser Ser Glu Leu Met Ala Ile Thr Arg Lys
        35                  40                  45

Met Ala Ala Thr Ala Ala Thr Cys Cys Gln Leu Ser Glu Asp Lys Leu
    50                  55                  60

Leu Ala Cys Gly Glu Gly Ala Ala Asp Ile Ile Ile Gly His Leu Cys
65                  70                  75                  80

Ile Arg His Glu Met Thr Pro Val Asn Pro Gly Val Gly Gln Cys Cys
```

```
                85                  90                  95

Thr Ser Ser Tyr Ala Asn Arg Arg Pro Cys Phe Ser Ser Leu Val Val
            100                 105                 110

Asp Glu Thr Tyr Val Pro Pro Ala Phe Ser Asp Asp Lys Phe Ile Phe
        115                 120                 125

His Lys Asp Leu Cys Gln Ala Gln Gly Val Ala Leu Gln Thr Met Lys
    130                 135                 140

Gln Glu Phe Leu Ile Asn Leu Val Lys Gln Lys Pro Gln Ile Thr Glu
145                 150                 155                 160

Glu Gln Leu Glu Ala Val Ile Ala Asp Phe Ser Gly Leu Leu Glu Lys
                165                 170                 175

Cys Cys Gln Gly Gln Glu Gln Glu Val Cys Phe Ala Glu Glu Gly Pro
            180                 185                 190

Lys Leu Ile Ser Lys Thr Arg Ala Ala Leu Gly Val
        195                 200


<210>  931
<211>  207
<212>  PRT
<213>  Artificial sequence

<220>
<223>  synthetic construct

<400>  931

Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala Lys Arg Ser Cys Gly Leu
1               5                   10                  15

Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln Asn Ala Phe Leu Val Ala
            20                  25                  30

Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser Ser Glu Leu Met Ala Ile
        35                  40                  45
```

```
Thr Arg Lys Met Ala Ala Thr Ala Ala Thr Cys Cys Gln Leu Ser Glu
    50                  55                  60

Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala Ala Asp Ile Ile Ile Gly
65                  70                  75                  80

His Leu Cys Ile Arg His Glu Met Thr Pro Val Asn Pro Gly Val Gly
                85                  90                  95

Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg Arg Pro Cys Phe Ser Ser
            100                 105                 110

Leu Val Val Asp Glu Thr Tyr Val Pro Pro Ala Phe Ser Asp Asp Lys
        115                 120                 125

Phe Ile Phe His Lys Asp Leu Cys Gln Ala Gln Gly Val Ala Leu Gln
    130                 135                 140

Thr Met Lys Gln Glu Phe Leu Ile Asn Leu Val Lys Gln Lys Pro Gln
145                 150                 155                 160

Ile Thr Glu Glu Gln Leu Glu Ala Val Ile Ala Asp Phe Ser Gly Leu
                165                 170                 175

Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln Glu Val Cys Phe Ala Glu
            180                 185                 190

Glu Gly Gln Lys Leu Ile Ser Lys Thr Arg Ala Ala Leu Gly Val
        195                 200                 205
```

<210> 932
<211> 207
<212> PRT
<213> Artificial sequence

<220>
<223> synthetic construct

<400> 932

```
Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala Lys Arg Ser Cys Gly Leu
1               5                  10                  15

Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln Asn Ala Phe Leu Val Ala
            20                  25                  30

Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser Ser Glu Leu Met Ala Ile
        35                  40                  45

Thr Arg Lys Met Ala Ala Thr Ala Ala Thr Cys Cys Gln Leu Ser Glu
    50                  55                  60

Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala Ala Asp Ile Ile Ile Gly
65                  70                  75                  80

His Leu Cys Ile Arg His Glu Met Thr Pro Val Asn Pro Gly Val Gly
                85                  90                  95

Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg Arg Pro Cys Phe Ser Ser
            100                 105                 110

Leu Val Val Asp Glu Thr Tyr Val Pro Pro Ala Phe Ser Asp Asp Lys
        115                 120                 125

Phe Ile Phe His Lys Asp Leu Cys Gln Ala Gln Gly Val Ala Leu Gln
    130                 135                 140

Thr Met Lys Gln Glu Phe Leu Ile Asn Leu Val Lys Gln Lys Pro Gln
145                 150                 155                 160

Ile Thr Glu Glu Gln Leu Glu Ala Val Ile Ala Asp Phe Ser Gly Leu
                165                 170                 175

Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln Glu Val Cys Phe Ala Glu
            180                 185                 190

Glu Gly Pro Lys Leu Ile Ser Lys Thr Arg Ala Ala Leu Gly Val
        195                 200                 205
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<220>
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<400> 933

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Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala
1               5                  10                  15


Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln
            20                  25                  30


Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser
        35                  40                  45


Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala Ala Thr
    50                  55                  60


Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala
65                  70                  75                  80


Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met Thr Pro
                85                  90                  95


Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg
            100                 105                 110


Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val Pro Pro
        115                 120                 125


Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys Gln Ala
    130                 135                 140


Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu
145                 150                 155                 160
```

```
Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile
                165                 170                 175


Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln
            180                 185                 190


Glu Val Cys Phe Ala Glu Glu Gly Gln Lys Leu Ile Ser Lys Thr Arg
        195                 200                 205


Ala Ala Leu Gly Val
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Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala
1               5                   10                  15


Lys Arg Ser Cys Gly Leu Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln
            20                  25                  30


Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln Leu Thr Ser
        35                  40                  45


Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr Ala Ala Thr
    50                  55                  60


Cys Cys Gln Leu Ser Glu Asp Lys Leu Leu Ala Cys Gly Glu Gly Ala
65                  70                  75                  80


Ala Asp Ile Ile Ile Gly His Leu Cys Ile Arg His Glu Met Thr Pro
                85                  90                  95
```

```
Val Asn Pro Gly Val Gly Gln Cys Cys Thr Ser Ser Tyr Ala Asn Arg
            100                 105                 110


Arg Pro Cys Phe Ser Ser Leu Val Val Asp Glu Thr Tyr Val Pro Pro
        115                 120                 125


Ala Phe Ser Asp Asp Lys Phe Ile Phe His Lys Asp Leu Cys Gln Ala
    130                 135                 140


Gln Gly Val Ala Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu
145                 150                 155                 160


Val Lys Gln Lys Pro Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile
                165                 170                 175


Ala Asp Phe Ser Gly Leu Leu Glu Lys Cys Cys Gln Gly Gln Glu Gln
            180                 185                 190


Glu Val Cys Phe Ala Glu Glu Gly Pro Lys Leu Ile Ser Lys Thr Arg
        195                 200                 205


Ala Ala Leu Gly Val
    210


<210>  935
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<220>
<223>  synthetic construct

<400>  935

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<213>  Artificial sequence
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<220>
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<400> 936

Gly Gly Gly Gly Gly Gly Gly Gly
1   5